

SOCIAL NETWORKS AND ARCHAIC FORAGERS IN THE WESTERN GREAT LAKES: A  
CASE STUDY IN THE OLD COPPER COMPLEX

by

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## ABSTRACT

# SOCIAL NETWORKS AND ARCHAIC FORAGERS IN THE WESTERN GREAT LAKES: A CASE STUDY IN THE OLD COPPER COMPLEX

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This dissertation presents the results of an investigation into the use of social networks by Old Copper Complex Middle and Late Archaic (5000 B.C. to 1000 B.C.) foragers in the western Great Lakes region to distribute copper. The research consists of an application of Social Network Analysis to data derived from two copper assemblages from Wisconsin, one from Lake Nokomis in northern Wisconsin, and the other from Lake Koshkonong in southeast Wisconsin. This dissertation critiques the current model of copper distribution, the Lake Superior Model (LSM), and then constructs a more nuanced model.

In order to facilitate these research goals, four types of analysis were conducted on two Old Copper Complex artifact assemblages. The study assemblages were recovered, organized, and curated by Mr. James Bussey, a private collector and avocational archaeologist from the Lake Koshkonong area. The analysis consisted of development of a new schema for systematically describing any copper artifact and application of this schema to 1,000 copper artifacts, a stratified sample of copper artifacts recovered by Mr. Bussey from each of the study localities. The morphological component of this schema is designed to capture the wide variety of morphological variation found in Old Copper artifacts. The metric component is designed to systematically describe the size of these artifacts. These two components together are intended to



illuminate the aggregate production behaviors responsible for the creation of the copper assemblages under study. A third component of the new analysis schema, a use-wear analysis, was employed to determine if these objects were generally used or if they were primarily non-utilitarian in nature. Finally, 80 artifacts were chemically characterized in an attempt to better understand the modes of procurement used to produce the copper assemblages from the two study localities.

The results indicate that there was an active trade network in the Western Great Lakes during the Old Copper Complex. The data best fit a model of a weakly linked network, suggesting that communities were connected through individuals, rather than through aggregate populations. Furthermore, the results suggest that it was primarily raw copper being moved through this network and that most copper artifacts were made locally. However, there are several types of copper artifacts, including large bladed projectile points and knives, that were moved through this same network as a formalized part of the relationship between communities. The mechanism responsible for the distribution of Old Copper Complex material culture was a weakly linked social and trade network between foraging communities.

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Dedicated to Mom (Ruth Johnson) and Dad (Charlie Ahlrichs)

You built me this way, through encouraging curiosity, genetics, and hard work.

Thanks for your support

In Memoriam

Mr. James Bussey

And

Dr. J. Patrick Gray

Thank you both for your generosity

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# CHAPTER 1

## Introduction

### *1.1 Introduction*

Archaeologists have long examined how material culture may structure and/or signal economic, social, and political relationships within and between societies (e.g., Binford 1980; Brose 1994; Horejs et al. 2015; Lovis et al. 2005; Moffett and Chirikure 2016; Preston and Kador 2018; Torrence 1989). One specific instance of this practice that has received extensive examination is the midcontinent-wide distribution of distinctive copper artifacts between circa 5000 – 1000 B.C. Evidence for this cultural phenomenon is most often found during avocational surface collection or in mortuary-related contexts, especially on glacial kames or gravel knolls. Often termed the Old Copper Culture, Old Copper Complex or Old Copper Industry (Martin and Plegler 1999, Plegler and Stoltman 2009), these sites and their copper artifacts may be found hundreds of kilometers from primary deposits of native copper on Isle Royale or the Keweenaw Peninsula of Lake Superior (Figure 1.1). The wide distribution of artifactual copper, a presumably exotic material, at these sites has spawned extensive discussion in the literature concerning the physical, social, economic, political, and cosmological relationships among western Great Lakes hunter-gatherers (e.g., Byers 1999; Hill 2012; Martin and Plegler 1999; Mason 1981; Plegler 2000; Plegler and Stoltman 2009; Ritzenthaler and Quimby 1962; Sievert 1984; Trevelyan 2004; Wittry and Ritzenthaler 1956).

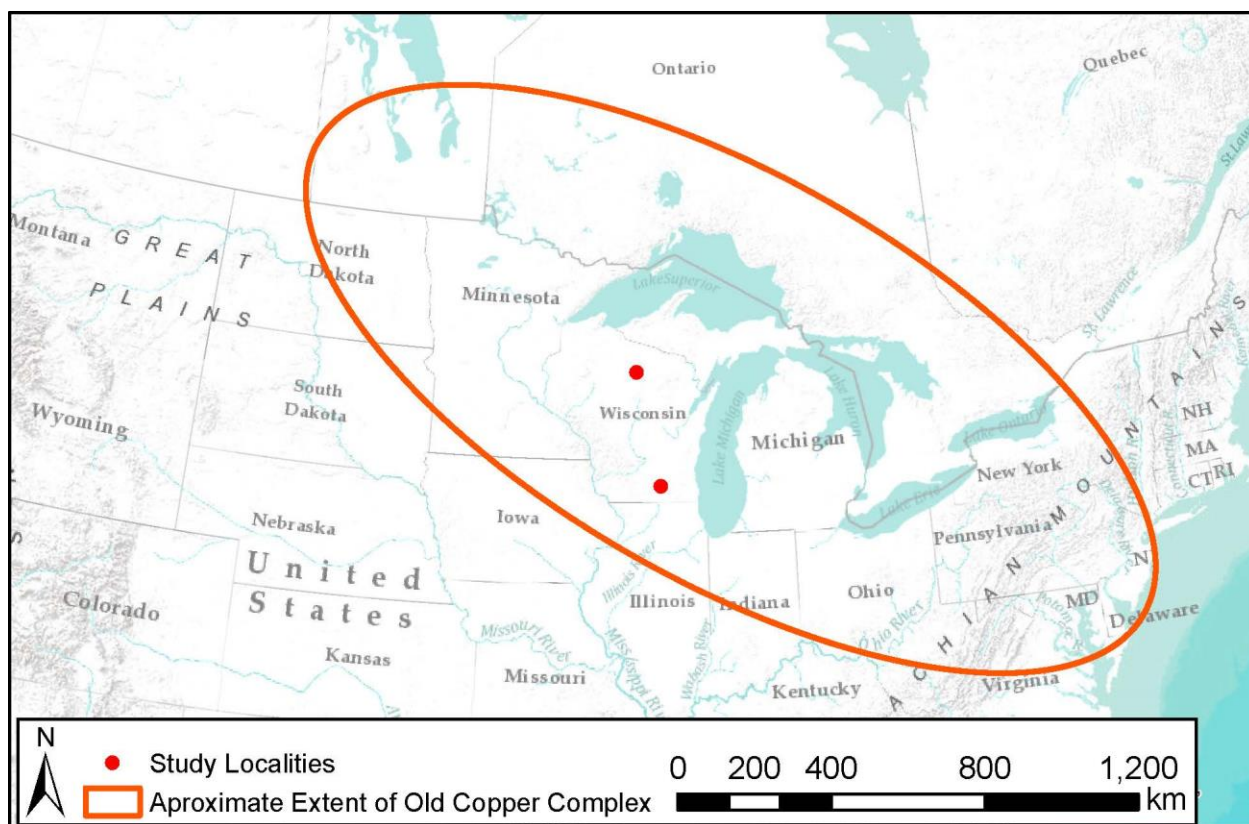


Figure 1.1. Approximate extent of the Old Copper and related complexes, compiled from multiple authors.

The primary issues examined by this research are the modes of copper procurement and copper artifact production used by the inhabitants of the Western Great Lakes during the Middle and Late Archaic, ca 5000-1000 BC. Following Martin and Pleger (1999) and Pleger and Stoltman (2009) the term Old Copper Complex will be used in this dissertation. The use of the term complex is useful as the long time depth and geographical range noted above makes it clear we are not discussing a single culture. Additionally, the multiple aspects of social and political structures that appear to relate to people using copper technology suggests Industry is too constricting a term. “We tend to conceptualize ‘complex’ as a series of related cultures...[where] core artifacts are [*sic*] endured long beyond the span of a phase” (Martin and Pleger 1999:70).

The current model of Old Copper Complex resource distribution, termed the Lake Superior Model (LSM), has proven to be of limited utility and in is need of refinement (Hill 2012). A critique of the Lake Superior Model and a more accurate model of copper distribution will be accomplished through the application of concepts from Social Network Analysis (SNA) to the data collected from four interconnected types of analyses of two Old Copper Complex datasets. Copper artifacts from two localities, separated by 400 km as the crow flies, will be examined. The northern dataset comes from Lake Nokomis in north-central Wisconsin, and the southern dataset comes from Lake Koshkonong in southeastern Wisconsin. These data, viewed through the lens of social network theory, will be used first to critique the LSM and then to discern the type of mechanism(s) responsible for the distribution of copper found in the archaeological record of these two localities.

The unusual nature of copper artifacts, the longevity of this archaeological phenomenon, and its broad geographic dispersal have encouraged a great deal of formal theorizing and pure speculation alike about the economics of copper during the Archaic and subsequent cultural periods. In particular, the broad distribution of copper has long been interpreted as evidence of the existence of a long-distance trade network active during the Middle and Late Archaic periods (Binford 1962; Pleger 1998; Squier and Davis 1848; Whittlesey 1862). However, any form of network has been assumed rather than demonstrated. In this dissertation, information collected from morphological, metric, functional, and Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) chemical characterization analyses is used to directly test the evidence for the existence of a long-distance trade network during the Archaic period. Once the presence or absence of an Archaic western Great Lakes trade network is established, Old Copper Complex data may be used to examine higher level social concerns.

This research agenda is complicated by the fact that copper artifacts are usually interpreted as special and/or exotic rather than just another economic component of a purely logistically oriented trade network. During the Archaic in the western Great Lakes, the inclusion of copper artifacts (and other more clearly exotic materials) in some burial features—and not others—seems like good evidence for a new, hierarchical social structure among foraging societies in the Western Great Lakes (Pleger 1998, 2000). Trade networks may contribute to the development of social hierarchy by providing prestige goods; the material means to differentiate an individual or lineage from other local aggrandizers (Hill 2009:271; Pleger 2000).

Recently, applications of Social Network Analysis to other archaeological datasets have demonstrated new connections between trade or social networks and emergent cultural phenomena such as ethnogenesis and prestige signaling (Blake 2013; Hart et al. 2016; Knappett 2013; Mizoguchi 2013). For example, trade networks have been demonstrated to provide enterprising aggrandizing individuals special access to new relationships in larger-than-local scale communities in emergent or clearly hierarchical Mississippian and American southwest contexts (Lulewicz and Coker 2018, Pailes 2014). Communities in this sense are simply groups of people who interact often enough to produce emergent phenomenon such as the transmission of information, shared habitus, or common identity. These extra-local relationships often supply the benefit of expanded social capital and influence for individuals operating both within and without the local community (Lulewicz and Coker 2018, Pailes 2014). In another example, social networks and the movement of people within them have been demonstrated to facilitate local community formation by increasing interactions between individuals from previously separate communities among proto-Iroquoians in the American northeast (Hart et al. 2016). Networks can also facilitate larger scale community formation, something approaching ethnogenesis, by

providing opportunities to signal differences contributing to cultural separation of previously united communities (Blake 2013; Hart et al. 2016). All of these higher order social phenomena can only be observed once the scale and structure of a social network is established. In the case of the Old Copper Complex, assertions about social structure have been made without explicit structural evidence (e.g., Binford 1962; Bradford 2017:128-129).

During the last century and a half, there has been a great deal of discussion concerning the Old Copper Complex, including modes of procurement and extraction methods of the raw material (Brown 1903; Ehrhardt 2009; Fox 1911; Griffin 1961; Martin 1999; West 1929; Whittlesey 1863), methods of production of copper artifacts (Cushing 1894; Draper 1879; Hamilton 1902; LaRonge 2001; Mattson 2015; Schroeder and Ruhl 1968; Shepard 1936; Vernon 1990), the proper classifications of these artifacts (Beauchamp 1902; Brown 1903; Hedican and McGlade 1993; Pulford 1999; Schanen 2017; Steinbring 1975; West 1929; Wittry 1951), possible functions (Pleger 1992; Sievert 1984; Leader 1988), social meaning, and value of copper artifacts (Byers 1999; Binford 1962; Pleger 1998, Hill 2009; Ehrhardt 2009), and the timing and changes over time of all this activity (Binford 1962; Ehrhardt 2009).

Some facets of the Old Copper Complex appear to be well established. For example, copper tools were clearly produced through a process of cold and hot hammering and annealing rather than any form of smelting and casting (Ehrhardt 2009; Hamilton 1902; Pleger and Stoltman 2009). There is little doubt that the Lake Superior Basin is the original geologic source of much of the copper found throughout the upper Midwest (Hill et al. 2016:353, Rapp et al. 2000).

The general timing of the most intensive period of copper use is also well established as a characteristic part of the Middle and Late Archaic periods c. 5000 – 1000 B.C. (Pleger and

Stoltman 2009). Recent contributions in these areas, in the form of actualistic studies of production methods (e.g. Crook 2016; Trotter 2017) and well-provenienced radiocarbon dates (e.g. Bradford 2017) continue to help expand and clarify our understanding of Archaic copper-using cultural systems.

However, other components of this cultural phenomenon are less securely known and are debatable. One area of contestation is the mode of distribution of material and artifacts from known copper sources in the Great Lakes Region to sites in the south (Hill 2009). The problem of copper distribution is contentious not just for the Old Copper Complex, but for later periods as well (Ahlrichs 2018; Cooper 2012; Cooper et al. 2008; Dussubieux et al. 2008; Dussubieux and Walder 2015; Hill 2009, 2012; Hill et al. 2016; Hill and Jeske 2011; Lattanzi 2008, 2013; Mulholland and Pulford 2007; Sanger et al. 2018). Advances in scientific materials analysis methods have led to an exploration of the possibilities surrounding copper sourcing scholarship (Ehrhardt 2009).

Based largely on ethnographic analogy (e.g. Pleger 2000, Sauvet 2019), and the currently known archaeological record of the western Great Lakes (e.g., Binford 1962; Pleger 1998), there are three probable modes of procurement considered by this research. The first option is direct procurement from the copper pit mines. The second option is down-the-line trade with well-known neighbors. The third option is direct trade executed and controlled by individuals or lineages.

Ancient pit mines on the bedrock copper source outcrops (Rapp et al. 2000; Whittlesey 1863), make it certain that at least some copper was acquired directly from bedrock copper sources in the western Lake Superior Basin. In addition, there are many thousands of copper artifacts throughout the Great Lakes region that have not been sourced to a particular geologic



origin. Furthermore, C14 dates correlate the timing of copper pit mining activities and copper tool depositional contexts between circa 5000 and 1000 B.C (Martin 1999:144, Plegier and Stoltman 2009:708). What has not been demonstrated is the extent or mechanism of the distribution of the copper from these primary sources. There are two factors complicating this question. The first is the presence of secondary float copper deposits across the western Great Lakes, and the second is the question of where copper artifacts were created. These variables will be discussed in more detail in the following chapter.

## ***1.2 Previous research on the Old Copper Complex***

The long-held theoretical model of the Old Copper Complex copper transport system is termed the Lake Superior Model (LSM) (Hill 2012). Hill (2009, 2012) showed that this model lacks nuance and was largely ineffective for understanding cultural processes leading to the distribution of Archaic copper artifacts. As traditionally conceived, the LSM suggests that most copper in the Great Lakes Region must originally have been mined from the extensive pit mines near Lake Superior (Ehrhardt 2009; Hill 2009, 2012). According to the model, raw copper made its way out from these pit mine regions, through unspecified means, and was used to produce the distinctive copper artifacts recovered from Archaic contexts (Martin 1999). In the LSM, it is assumed that copper was moved long distances and thus conferred on most copper artifacts the special distinction of being “exotic” (Bradford 2017:128; Plegier 1998).

Concurrent social developments in the western Great Lakes bolster this interpretation, including the first reused cemeteries (Plegier and Stoltman 2009:704). Copper as well as other materials from far-off locations such as marine shell from the Gulf of Mexico (Goad 1980) and Wyandotte chert from the Ohio River were found in some of these burials (Hruska 1967; Plegier

1998; Wittry and Ritzenthaler 1957). The juxtaposition of copper artifacts with these materials suggests that copper tools were part of some form of long-distance trade network trafficking in exotic, high status materials (Goad 1980). However, the structure of this long-distance trade network has never been clearly defined, and subsequent Archaic period theory building has been stymied by its reliance on an assumed social system with poor empirical foundations.

The problem of Archaic copper distribution is similar to the debates first proposed by Griffin (1965) and others about Middle Woodland obsidian procurement and distribution in the Midwest (Hughes 2006). Griffin (1965) semi-plausibly suggested that all of the obsidian found in Midwestern Hopewell contexts could have been delivered in a single canoe trip from the Obsidian Cliff source in Yellowstone National Park. Others have suggested that obsidian was much more likely to have traveled via down-the-line trade (Buchner and Skinner 2002). Unlike Griffin's scenario, it is clear that thousands of canoe trips would have been needed to transport the copper found at western Great Lakes Archaic sites. However, the problem of direct procurement versus some form of network remains.

The actual social and economic structures and mechanisms in use by people maintaining this presumed network have often been suggested, but have never been demonstrated. The LSM assumes that the network exists to move materials from one aggrandizer to another, and provides no capacity for identifying and testing any alternative possibilities. Given the useful critiques of neo-evolutionary and post-processual approaches since the mid-1980s, it is striking that few of these critical stances, (e.g., structuralist, gender, Marxist, agency) have been employed to interpret the diachronic and synchronic variation in Archaic copper tools and their distribution (see Hill 2012; Plegier 1992; Plegier and Stoltman 2009). Currently, the Adaptationist/Role theory

version of the LSM remains the default theoretical perspective for most Great Lakes/Midwestern archaeologists and will be critiqued here (Hill 2009; Martin 1999; Pleger and Stoltman 2009).

### ***1.3 Previous Research on Sourcing Old Copper Artifacts***

Recently, advances in the application of Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) technology to copper sourcing studies has allowed direct assessment of copper chemical profiles of both natural and cultural copper specimens. These techniques have been used by several researchers in various geographic and temporal contexts to examine copper chemistry in an attempt to identify a likely source (Cottreau-Robins et al. 2018; Dussubieux et al. 2008; Hawkins et al. 2016; Hill 2009; Lattanzi 2013). Hill was the first use this technique to examine Wisconsin copper artifacts. Based on his results, Hill (2012) argues that the LSM is only partially supported by the empirical record. In general, he found that copper was not exchanged between adjacent but distinct archaeological cultures during Wisconsin's Late Archaic period. These results add ambiguity and complexity to the LSM, suggesting that at least two different networks or modes of copper acquisition were in use among foragers in Wisconsin. In an attempt to clarify this new ambiguity, the current project discusses the results of a new LA-ICP-MS analysis of copper raw material, copper debitage and formal copper artifacts from the two study localities.

### ***1.4 Social Network Analysis***

The Lake Superior Model is diffusionist in nature and assumes that copper moves outward from its primary source without specifying mechanisms for how that occurs. The lack of a mechanism poses problems for anthropological interpretation and theory building for the Great Lakes Archaic. For example, any new copper-bearing site discovered within the known bounds

of the Old Copper Complex diffusion zone only serves to show that there is copper within the bounds of the assumed long-distance trade network. Within the LSM, sites are connected only by an assumed diffusion of copper along a nebulously defined network. Because of this lack of definition, the LSM affords little ability to test the actual connections between sites within the boundary. The link is there already, defined in the simple parameters of the model. On the other hand, if a new copper-bearing site is discovered outside the mapped boundary, the LSM is modified by increasing the size of the Old Copper diffusion zone to include that site's region. There is little new information about the network or its mechanisms, other than an expansion of the limit of diffusion during that time period. The LSM thus stymies interpretations of patterns of behavior around copper use during the Archaic period in the Great Lakes region (Hill 2009).

Social Network Analysis (SNA) is a useful method for identifying and interpreting patterns of relationships in the archaeological record, helping to clearly define networks and endow them with formal and testable attributes (Brughmans 2010; Knappett 2013:3). An archaeological network at its simplest is made up of nodes and links (Knappett 2013). This simple definition alone provides more utility for copper-based social network research than the LSM. One significant difference between this dissertation and most archaeological uses of SNA is the number of nodes involved in the analysis. While most studies using this technique have dozens or even hundreds of nodes, this study uses only two. The design of this research takes advantage of the unique circumstances offered by Mr. Bussey's collection; the curation of two large copper artifact assemblages from well-defined locations. This dissertation will utilize the theoretical framework provided by SNA, rather than the computational network analysis methods used by many recent archaeological studies in order to establish the nature of similarities and divergences between two copper-using communities in distinct ecological and

geographic regions. These methods could be profitably applied to an Old Copper Complex network using artifact styles or types across the broader Great Lakes region.

For this dissertation, sites (or groups of sites) with copper artifacts can be defined as nodes within a network, nodes that are connected by a shared incidence of copper artifacts. In SNA, the connections between nodes are called links, and links are defined based on the number and frequency of interpersonal relationships within and between group. Links do not have to be physical; humans form patterned relationships through non-material means as well (Knappett 2013). Connections might be formed for any number of social, biological, or cultural reasons that are not directly discernable through the partial material record left behind. In archaeological SNA, links are typically defined based on the number and frequency of shared material culture traits, such as point types or ceramic decoration motifs, found within or between sites. Other attributes such as directionality or intensity can also be defined, as the data (e.g., chronological, raw material sourcing) permit. Lithic and ceramic materials have recently been used to explore links between individuals in communities larger than the site level (Hart et al. 2016; Mills et al. 2015; Sauvet 2019; Schneider 2015; Sterner 2018). Western Great Lakes copper is likely to be useful in this way as well. In the case of the Old Copper Complex network, a researcher can determine if two nodes within the network are linked through physical presence of copper, potentially describe the direction that copper was transported, and in what form that copper may have been transported.

## ***1.5 The Dataset***

This dissertation will use data produced through analysis of two large assemblages of copper artifacts from two Wisconsin localities. The copper debris and artifacts that form the

dataset for this dissertation were collected over the course of 70 years by Mr. James Bussey of Edgerton, Wisconsin. Over the decades he amassed a collection of over 3,000 formal copper artifacts from several different places in Wisconsin and Michigan. Most of these artifacts—and all of the artifacts used for this dissertation—came from two well-defined localities (Figure 1.2). The first locality, Lake Koshkonong, is near his home in southeast Wisconsin. He collected more than 1,600 formal copper artifacts from this area, and many thousands of pieces of copper manufacturing debris. All of the artifacts used in this dissertation were recovered from three adjacent sites on the northern shore of Lake Koshkonong. The second locality is the Lake Nokomis area, where he collected over 600 formal copper artifacts and thousands of pieces of copper manufacturing debris. All of the artifacts used in this dissertation were provenienced to three adjacent sites grouped along what had been the Tomahawk River (before the valley was flooded by a dam in 1912). Non-copper artifacts, such as diagnostic lithic bifaces and ground stone tools collected from the same contexts as the copper help to corroborate the Archaic date for the copper artifacts. Additionally, three calibrated radiocarbon dates between 1400 B.C. and 4500 B.C. were collected from organics preserved in or on copper artifacts in this collection (See table 3.1), further supporting their Archaic context. The artifacts recovered from these two localities are inferred to be the product of people living in close-knit, mobile band level communities (Pleger and Stoltman 2009) who spent time at the study localities. Of course, given the very long time period indicated by the radiocarbon dates, these communities were multi-generational and must have undergone many cultural changes over the time period of interest here.

At the time of the General Land Office (GLO) Surveys of Wisconsin in the 1830s through the 1860s, Lake Koshkonong and Lake Nokomis had different environments. Before

modern impoundment, the area that is now Lake Nokomis comprised the meandering Tomahawk River, its tributaries, and numerous small glacial kettles, lakes and ponds (Moffat et al. 1992). This terrain has some relatively high topographic relief that was primarily formed by the deposition of end moraine debris at the furthest advance of the Wisconsin River Valley Lobe of the Lake Superior Glacier. The Lake Koshkonong area, on the other hand, was similar to the way it looks today—a wide, but shallow lake with the Rock River running through its middle. The Lake Koshkonong landscape was also affected by glacial end moraine deposition, except here it was the Green Bay Lobe of the Lake Michigan Glacier depositing glacial till in relatively high relief when compared to the low rolling hills of the surrounding terrain (Glocker 1979:2).

Today these localities have more in common. Both the Rock and Tomahawk Rivers have been further impounded by the installation of dams at their southern outlets, where each river cuts through their respective end moraine topography. These dams artificially raise the water level of both basins allowing for modern recreational use of the waterway. One consequence of the higher water level is that some land area that was above the waterline in prehistory has been inundated, and in many cases eroded, by the natural movement of water over the years. In the Tomahawk River's case, this inundation formed a new lake, flooding the river valley and incorporating several of the smaller glacial potholes into a single new waterway. The sites that produced these study assemblages are now inundated, and are only occasionally brought to the surface through modern water-level manipulation.

Perhaps the most salient difference between the two locales for this study is their latitudinal position and relative distance from the primary copper sources (Figure 1.2). Lake Nokomis, in north central Wisconsin, is located approximately 200 km from the closest primary

copper outcrops on the Keweenaw Peninsula. Lake Koshkonong, in southern Wisconsin, is located nearly 500 km from the copper pit mines in the north.

If the Lake Superior Model is an accurate picture of economic and social life during the Archaic period, we expect that the two study assemblages would reflect a strong connection through physical and chemical similarities. Data from LA-ICP-MS compositional analysis will indicate whether artifacts in the two assemblages have the same source or different sources. Data from morphological and functional analyses will be used to compare the two localities in terms of manufacturing and consumer behaviors. If the two localities are a part of a single regional community with an outward flow of copper, we would expect that morphological and use-damage variables of artifacts from the two assemblages would be very similar. If the people from these localities are not a part of a larger community, then we would expect to find clear distinctions between the two study assemblages.





Figure 1.2. Location of the study localities and the nearest primary copper sources.

## ***1.6 Organization of this Dissertation***

Chapter Two begins with a discussion of the historical and theoretical underpinnings of the Lake Superior Model of copper distribution, noting the current problems facing archaeologists attempting to use this model to understand western Great Lakes Archaic foragers. Previous interpretations of the trade network hypothesis are presented. Then the chapter introduces Social Network Analysis, how it has been used in various archaeological contexts and how it can be profitably leveraged to illuminate connections between Old Copper Complex communities. Finally, the expected material correlates for the different kinds of networks potentially active in the western Great Lakes Archaic are discussed.

Chapter Three represents a discussion of the environmental and archaeological backgrounds of each of the study localities. The chapter begins with a survey of the environment of each locality, paying particular attention to both the Archaic environment and the effects of modern human development on Archaic sites found in each locality today. The previously recorded cultural resources of each locality are then outlined. Finally, similarities and differences between the two localities, in terms of their physical and archaeological environments are discussed.

Chapter Four discusses the cultural prehistory of the Archaic Tradition in the Western Great Lakes and copper's place in that long story. The environmental and social pressures active during the Archaic are explored in relationship to the adoption of copper production technologies.

In Chapter Five, the methods used for this research are discussed. The chapter begins with a discussion of Wittry's preliminary copper typology and argues for the need to develop a new, more effective typological system. The resultant analysis schema is then described. Metric

analysis and use-damage analysis methods are described next. The chapter concludes with a discussion of the methods used for the LA-ICP-MS chemical composition analysis.

Chapter Six discusses the results of the morphological, metric, use-wear, and compositional analyses. In the first section, the morphological variation observed in the two study assemblages are directly compared variable by variable. Next, a comparison of the results by morpho-functional type allows for consideration of metric and type-specific variation. In the next section, the incidences of use-damage are compared between the study locality assemblages. Then the LA-ICP-MS results are presented and briefly discussed.

Chapter Seven discusses these results in terms of archaeological Social Network Analysis. The chapter is split into four sections. The first section discusses the evidence for the modes of production of copper artifacts found in the study assemblages. The second section discusses the evidence for the modes of raw material procurement based on the results of analysis of the two study assemblages. The third section is a critique of the Lake Superior Model in light of the demonstrated network connections between the two study localities. The final section is a discussion of Archaic western Great Lakes forager community formation as evidenced by copper distribution at these two study localities.

Chapter Eight presents the conclusions of this research. This chapter summarizes the findings of this dissertation, suggests areas for further research, and discusses some broader impacts of these results.

## CHAPTER 2

### Social Network Analysis and the Old Copper Complex

#### *2.1 Theory of Archaeological Copper: Production, Transportation, and Meaning*

For many decades, most frameworks used by archaeologists to discuss the distribution of copper and copper technology during the Archaic assumed some combination of direct procurement and an undefined trade network (Beauchamp 1902; Binford 1962; Brose 1994; Brown 1903:58; Wittry and Ritzenthaler 1956:252) or a vague diffusionist model (Leader 1987:176-178; Steinbring 1975:324-332). For example, Charles E. Brown described the state of knowledge about pre-contact copper procurement at the beginning of the twentieth century as follows:

The source of the metal from which these implements were fabricated is too well known to warrant conjecture. The aboriginal copper workings at Isle Royale, Keweenaw, Ontonagon and else-where in the Lake Superior district were very extensive .... [Brown 1903:53-54]

...There can be no doubt but that a very large amount of metal was obtained and distributed from these sources.... [Brown 1903:54]

In various parts of Wisconsin large quantities of the so-called "float" copper, supposed to have been distributed by glacial action, have been found.... There can be no doubt but that it also was utilized by the Wisconsin Indians. [Brown 1903:55]

Brown's synopsis correctly identifies the two most likely geologic sources for copper available to Archaic foragers in the western Great Lakes. However, this description does not attempt to discern the cultural mechanisms responsible for the distribution of copper from the

primary source area and is unable to offer any ideas about how much float copper may have been utilized and how that would have affected the larger, regional distribution system.

A measure of nuance was added to Brown's notions of copper artifact distribution with increased focus on artifact classification schemes and temporal context. However, classification schemes developed during the first half of the twentieth century were based on non-systematically collected artifacts with generally poor provenience (Brown 1903, 1904; McKern 1942; West 1929). By the mid-20<sup>th</sup> century, four Wisconsin cemeteries containing copper artifacts had been formally excavated and an initial cultural-historical framework devised. Within the proposed Archaic Stage, cultural complexes such as Glacial Kame Burial Complex (Cunningham 1948, Griffin 1948), Old Copper Industry (McKern 1942, Wittry and Ritzenthaler 1956, 1957), and Red Ocher Burial Complex (Ritzenthaler and Quimby 1962) were created to provide chronological and geographical definitions for the distribution of artifact forms. The fact that all the excavated sites with copper were burial contexts did begin to suggest one social process driving copper acquisition: to be deposited as burial furniture. However, these advances did not shed light on any of the modes of copper distribution. One of the few patterns that did emerge was that artifact styles were strikingly similar across the large region where the copper tools were found, with little discernable spatial patterning of formal attributes, except at the broadest scales (Wittry 1951).

Wittry and Ritzenthaler (1956, 1957) offered a formal update on the state of knowledge surrounding the Old Copper Complex in the mid-twentieth century, based on the data collected from three cemeteries, the Osceola Site (Ritzenthaler 1946), the Oconto Site (Ritzenthaler and Wittry 1952), and the Reigh Site (Baerreis et al. 1954, Ostberg 1956, and Ritzenthaler 1956). Wittry and Ritzenthaler were able to connect copper artifacts to other types of artifact

assemblages from the Archaic for the first time. However, they did not do much to enhance the ideas offered by Brown regarding modes of copper artifact manufacture and distribution. Their summation of that aspect of the Old Copper Complex is as follows:

All Wisconsin copper specimens previously analyzed have shown that the source of the copper was from the Lake Superior region, and it is logical to assume that this was also the source of the Potosi [*Osceola Site*] material. Lake Superior copper is identifiable as more than 99% pure with only slight traces of iron, silver, cobalt, arsenic and nickel [Ritzenthaler 1946:58].

Their name [*Old Copper*] is derived from the fact of their having made a considerable variety of tools and ornaments out of Lake Superior copper by the processes of cold hammering or heating and hammering [Ritzenthaler 1952:199].

We postulate that the origin of the Old Copper complex occurred when an early hunting and gathering group living in the Wisconsin area began to utilize native copper for the production of the distinctive utilitarian types of that area. **At first, the nuggets in the glacial drift provided a handy source; later, copper was quarried from the trap rocks of Isle Royale and the Keweenaw Peninsula** [Wittry and Ritzenthaler 1956:251; emphasis added].

By the 1960s, archaeologists began to apply neo-evolutionary theory, especially cultural ecology, to derive functional explanations for the proliferation of copper artifacts. Binford (1962) argued for a focus on the cultural processes; specifically changes in social organization and individual status that were reflected by copper production and morphology during the Archaic and Woodland periods. Binford's use of role theory linked copper acquisition and exchange to individual and group economic-social-political structures (Binford 1962; Goad 1978; Plegier 1998, 2000). This connection led him to identify direct procurement and/or large-scale kin-based logistic networks as the likely distribution mechanisms.

The production of copper tools utilizing the techniques employed in the manufacture of Old Copper specimens certainly required tremendous expenditures of both time and labor. The sources of copper are not in the areas of most dense Old Copper implements (Wittry 1951), hence travel to the sources, or at least the establishment of logistics networks based on kin ties extending over large areas, was a prerequisite for the procurement of raw material [Binford 1962:221].

McHugh (1973), also a proponent of processual archaeology, critiqued some of Binford's evidence for these links, most importantly, the a priori designation of copper as a "socio-technic" material. The author points out that many copper artifacts are utilitarian in nature, have evidence of use damage, and are found in non-burial contexts (McHugh 1973:74-75). This critique illustrates the tendency of archaeologists, even prominent archaeologists, to ascribe poorly justified special social status to copper. Given the historical place of Binford's "New Archaeology" article in the development of American archaeology and its place in modern archaeological education, this unjustified elevation of copper is a widely circulated over-reach of the available archaeological data.

Around the same time, Fogel (1963) made a separate effort to explain the distribution of copper artifact types. He sought to implicate copper and trade in copper as a catalyst of culture change. He developed a diffusionist model for culture change, citing the presence of truly exotic materials in Old Copper complex burials as evidence of cultural interaction and influence from the south and east of the continent. Due to the low numbers of excavated contexts with copper at the time, he concluded that there were several centers of copper dispersal at a range of 100-200 miles from the source (Fogel 1963). Like Binford, he also employed a functional explanation of copper dispersal. For example, he identified the distribution of copper projectile points with subsistence strategy in the northern, more boreal portion of his study area.

Brose (1994:217) linked the early distribution of copper to "fluid social unit composition." He then linked the more recent distribution of copper to the "development of territorially restricted lineage usufruct" (Brose 1994:219) or the maintenance of a relatively peaceful status quo between bands with neighboring territories. In doing so, he argues that most

of the trade in copper was likely down-the-line exchange with occasional long-distance direct individual exchange mixed in, as evidenced by truly exotic materials such as marine shell beads.

Since the 1960s, Great Lakes archaeologists generally followed this processual approach to interpretation of copper artifacts. During the past six decades, new technology allowed archaeologists to produce metallurgical, spatial, radiocarbon, lithic, ethnobotanical, zooarchaeological, and human osteological data that provided a more robust cultural context for these copper artifacts (Hill 2006; Jeske et al. 2002; Kuehn 2002; Leader 1988; Penman 1977; Pleger and Stoltman 2009; Steinbring 1975; Stoltman 1997; Winkler 2004, 2011). The modern understanding of the Old Copper Complex incorporating these disparate data is perhaps best articulated by Pleger and Stoltman (2009:707-708):

Current data suggest that the Old Copper complex [should] be viewed as a series of regional Middle and Late Archaic-stage cultures that shared a basic copper fabrication technology.... Considering the wide dispersal of finished native copper artifacts, sophisticated mechanisms of intersocietal exchange such as formal trade partnerships are surmised to have been in existence by the Middle Archaic stage (Pleger 1998, 2000).

As with Brown in 1903 and Wittry and Ritzenthaler in 1956, Pleger (2000:177) acknowledges that copper could have been obtained from either primary or secondary sources; “At Oconto [an older Middle Archaic Old Copper Complex mortuary context] ... Although the primary sources of native copper are located along the Lake Superior shoreline to the north, copper could also have been obtained from locally deposited gravel beds.” He compares this Old Copper mortuary context with a later Terminal Archaic Red Ocher mortuary context (the Riverside Site), which also contained substantial amounts of copper. The primary difference between the sites is that a much higher proportion of the copper at the Riverside Site was made into non-utilitarian objects and buried with women and children.



Like Binford, Pleger links this change in the form of copper artifacts through time to a change in social organization; the advent of hierarchical social structures. However, Pleger sees the dramatic increase in exotic grave goods in Red Ocher contexts as an expression of elite individuals or families gaining status through successful leveraging of the formal trade network and its exotic products and relationships. He goes on to suggest that in the western Great Lakes, copper was basically considered a non-exotic local material since it was potentially locally available in the glacial till, and if not there then it was available regionally at the primary source (Pleger 2000:177). He argues that copper entered the trade network in this region and was subsequently traded across the Eastern Woodlands in exchange for the exotic materials found as grave goods (Pleger 2000:178-180). He further suggests that there was likely an as-yet unidentified consumable, non-durable, or social (marital and alliance controlling) component of the exchange (Pleger 1998:302, 2000:180). Pleger notes that the position of the Riverside Site, at the mouth of the Menominee River, is ideally located for access to both the primary copper source along the Lake Superior shoreline and trade routes incorporating materials from most of the rest of the continent via the Wisconsin and Mississippi River systems (Pleger 2000:178). This position suggests that we should expect copper to have moved southeast out of the primary source area into the regional trade network evidenced at the Riverside Site (Figure 2.1). While his scenario is plausible, Pleger did not test this idea. His discussion left open the question of where and how copper was obtained and what the social network might have looked like locally versus pan-regionally.

Pleger's analysis glossed over local or intra-regional connections in order to examine the meaning of what seem to be clearly long-distance connections. Like Binford (1962), Pleger explicitly takes the position that copper found at later Terminal Archaic or Woodland Midwest

sites was an exotic and/or valuable material that could be used by actors to manipulate social and political interactions. Both Pleger and Binford explicitly contrast earlier utilitarian (Binford's technomic) artifacts to later non-utilitarian (sociotechnic) copper artifact forms. While copper artifacts can be interpreted through both of these frames of reference, social network analysis allows the researcher to withhold judgement on how these objects were seen by their users and creators. Rather, the important factor in social network analysis is their co-occurrence at the different nodes in the potential social network.

Neither Binford nor Pleger address the earlier development of the Old Copper Complex and the copper distribution/acquisition system that must have supported it in the first place. The suspected copper trade network was seen as a way for individuals or lineages in foraging societies to achieve status and power through control of the exotic or restricted resource (cf. Binford 1962; Byers 1999; Pleger 1998, 2000), rather than a means to acquire needed raw material primarily used for subsistence strategy activities. How and why people took on copper technology for utilitarian purposes, and how that translated to mechanisms of distribution, were still unexplained.

### *2.1.1 The Lake Superior Model*

These models have recently been synthesized as the Lake Superior Model (LSM) (Hill 2012:279-280). The LSM posits that the long-distance distribution of highly desirable copper artifacts reflects a largely socially driven trade network, centered on the primary Lake Superior copper sources. In the LSM, copper objects played a role in hierarchical social signaling, representing the intersection of the technomic and sociotechnic artifact realms Binford (1962) described. This synthesis suggests that access to copper, even for utilitarian items, was likely controlled by some individuals or lineages, enabling them to differentiate themselves socially

and/or politically. Such differentiation is thought to have formed the basis for, or at least contributed to the development of the incipient ranked societies evidenced in later Archaic cemeteries for the first time in the region (cf. Byers 1999; Hill 2006; Pleger 1998).

The LSM does not explicitly define or demonstrate any of the fundamental structure at the core of its proposed trade network. This model of a trade network is generally conceptualized, though it is never explicitly stated, as radiating out from the primary copper sources in the western Lake Superior basin along unknown paths and by unknown mechanisms (i.e., Stoltman 1997:127). Essentially, the LSM is a very general networking model, but does not systematically link one node to the next. In practice, copper artifacts are inferred to reflect some form of diffusion and/or trade between the general Lake Superior region and wherever the copper artifacts were found. Recently several researchers have begun to test this model.

Hill's (2009, 2012) examination of copper sourcing data, using Laser Ablation – Inductively Coupled Plasma – Mass Spectrometry (LA-ICP-MS), from Wisconsin copper-bearing sites provides an initial test of the LSM, particularly as it was articulated by Pleger (2000). According to Hill's analysis, copper artifacts found at sites in north-central Wisconsin (Burnt Rollways sites) were chemically distinct from copper artifacts found at contemporaneous sites further from the primary copper source area in northeastern Wisconsin near Lake Michigan (Red Ocher Complex sites) (Hill 2009, 2012) (Figure 2.1). The sites in the Red Ocher Complex area are several hundred kilometers down river from the Burnt Rollways sites in the north central Wisconsin uplands. The Lake Michigan basin Red Ocher sites should have been ideal candidates to receive copper from people living between them and the copper source. However, since the copper artifacts from multiple sites in these two regions are consistently chemically distinct, it is

likely that the inhabitants in each region had different copper sources. Therefore, Hill argues that the notion of a trade network along this axis is not well-supported.

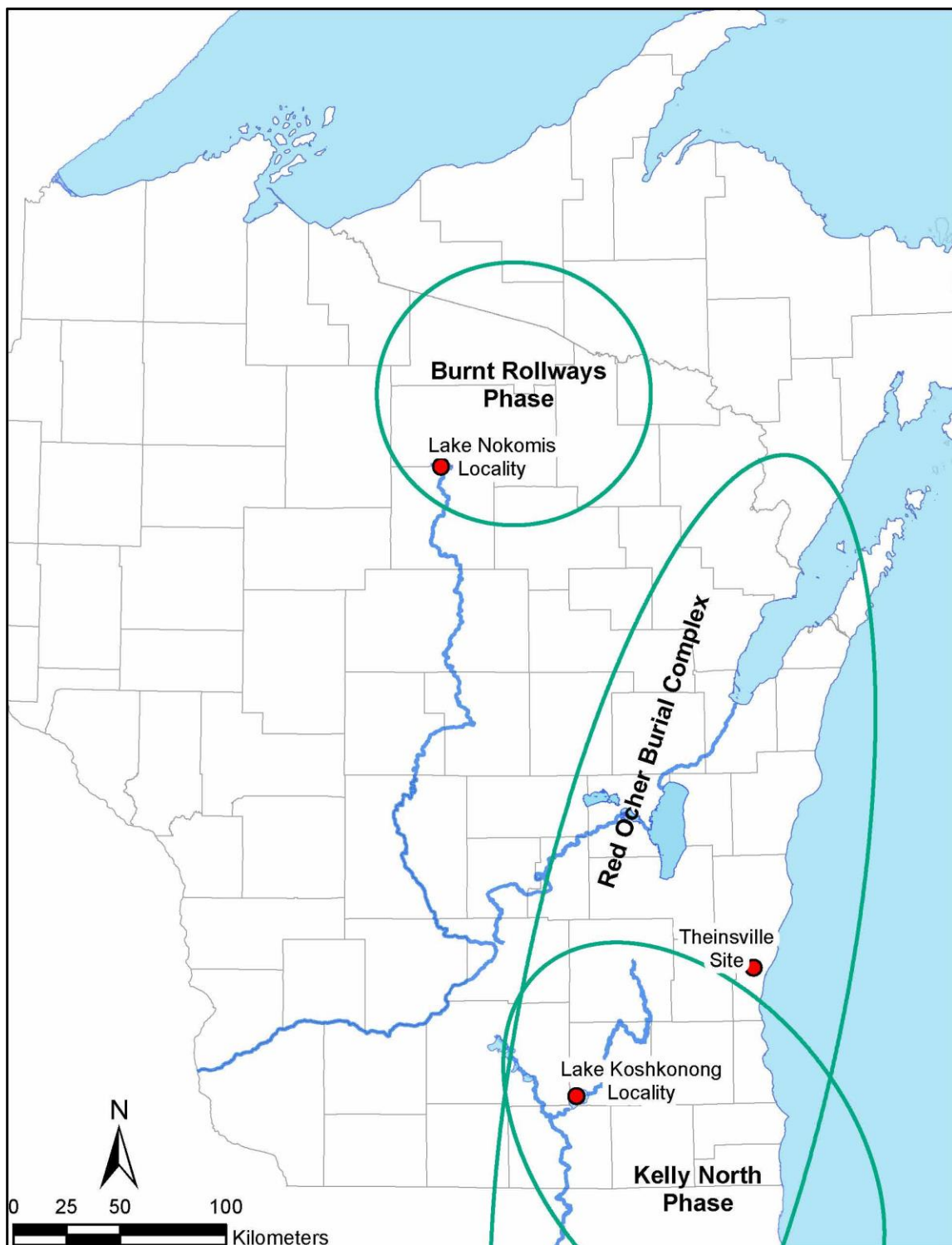


Figure 2.1. Map showing Burnt Rollways, Red Ocher and sites mentioned in this section of text.

As a part of this study, Hill (2009, 2012) included three copper artifacts from the Thiensville site, a Red Ocher Complex burial site in southeastern Wisconsin near Lake Michigan (Figure 2.1). The copper from this site was most chemically consistent with copper from the other Red Ocher Complex sites, rather than the copper from Burnt Rollways sites. The LSM suggests that copper should move outward from the primary mining sources, which in this case would mean that copper should have come from the western Lake Superior Basin, through north central Wisconsin, to southeastern Wisconsin. However, the chemical composition of these three copper artifacts suggests that copper was moved straight south along the shore of Lake Michigan, not along the interior path predicted by LSM (Figure 2.1).

In a separate study, Hill and Jeske (2011) characterized a small sample of formal copper tools from two different Archaic contexts near Lake Koshkonong, 90 kilometers west southwest of the Thiensville site in southeastern Wisconsin (Jeske et al. 2002; Jeske et al. 2010; Winkler 2004) (Figure 2.1). This sample included several copper artifacts from non-burial contexts at the Kelly North Tract of the Carcajou Point site, just a few hundred meters to the south of the areas where Mr. Bussey collected his artifacts (Jeske et al 2002). Another copper artifact, from a Red Ocher Complex site 12 km from Bussey's collection areas, was also tested. Hill and Jeske (2011) show that some of the Koshkonong area copper tools are chemically consistent with the Burnt Rollways copper while the others are more similar to the Red Ocher Complex sources.

Both Hill (2009) and Hill and Jeske (2001) add ambiguity and complexity to the Lake Superior Model. The results partially support the LSM in that some of the Koshkonong copper was chemically consistent with the expected Burnt Rollways copper source. However, as with Hill's other projects, these results also indicate that copper distribution was not as simple as the LSM would suggest. Some of the Koshkonong area copper artifacts were more consistent with

the Lake Michigan basin Red Ocher Complex copper, which is roughly 300 km south and east of the primary copper mining locations. These divergent sources suggest that at least two different networks or modes of copper acquisition were in use among foragers in southern Wisconsin circa 5000 – 1000 B.C.

Hill's work is foundational to understanding the structure of the copper distribution system used during the Archaic in the Western Great Lakes. He provided the methodological framework necessary to test the basic assumptions of the LSM. However, he primarily tested the LSM along an east and west axis in northern Wisconsin (Hill 2009, 2012). A substantial test of the LSM along a north and south axis had yet to be conducted. While Hill and Jeske did test the LSM along a north and south axis, the southern sample was very small, rendering the results very provisional and in need of further testing. This dissertation provides that substantial test using a larger sample from the Burnt Rollways Phase Lake Nokomis locality and the Kelly North Phase Lake Koshkonong locality (Figure 2.1). Additional lines of evidence, derived from morphological, metric and use-damage analyses of copper artifacts from these two localities will contribute to defining the character of the connections between these localities. Discussion of the connections between the study localities in this dissertation will be facilitated by the application of Social Network Analysis theory. This discussion represents the first formal application of Social Network Analysis to Old Copper complex datasets and critique of the LSM.

## ***2.2 Social Network Analysis in Archaeology***

Social Network Analysis (SNA) has recently become an important component of archaeological theory building in diverse cultural settings including Classic Mayan, Iroquoian, Mississippian, the North American southwest, Paleolithic Europe, the South Pacific and other

contexts (Brughmans 2013; Golitko and Feinman 2015; Hart et al. 2016; Knappett 2013; Lulewicz and Coker 2018; Sauvet 2019; Terrell 2013). Much of this work has taken its cues from developments in non-archaeological network analysis that has been on-going since the mid-twentieth century and has been especially well developed in the fields of sociology, physics, and computer science (see Knappett 2013). As computational capacity has increased and become more accessible, archaeologists have increasingly been able to harness SNA's capacity to reconstruct and analyze past social networks (Sindbaek 2013).

Social Network Analysis is particularly well suited to mapping, illustrating, and analyzing pre-contact cultural phenomenon for several reasons. The most basic advantage is that formal network analysis consists of a defined set of characteristics, the most basic of which are nodes and links (Knappett 2013; Wasserman and Faust 1994). Nodes can be anything from a single artifact find location (or the artifact itself for that matter) to an entire region. Nodes have all the characteristics of the cultural units themselves. For example, if a site is used as a node, all of that site's characteristics, including size, artifact content and density, temporal affiliations, and all the other myriad data archaeologists can collect about sites, can be used as characteristics of the node. These characteristics can then be used in comparisons with other potential nodes in the hypothesized network. Links are connections between nodes and may represent anything from purely social interactions to physical roads or paths. Links may also have any number of attributes including intensity, content, directionality, frequency, or fidelity, among others (Knappett 2013:4). The system is flexible so that if some of these characteristics are superfluous to the research design, or applicable data cannot be collected for them, they need not be included. Characteristics of both nodes and links can be defined using the archaeological data that is available and then applied rigorously for both description and analysis of the network as a whole.

One example of the advantages of the flexibility of SNA for archaeology is its treatment of scale. Networks may be defined within or between households, habitation sites, regions or continents (Knappett 2013). The basic components of the network, nodes and links, are the same at these variable scales. This mechanism is especially useful for the Old Copper complex with its broad geographical distribution and generally poor provenience preservation at the local level. The property of flexible scale allows for node size to be defined to the degree dictated by the available data. This property could potentially allow for careful comparisons between nodes with very different levels of context preservation, from surface collection to in situ deposits.

Additionally, SNA theory does not come with a priori assumptions like the implicit directionality found in the Lake Superior Model. The diffusional directionality of the Lake Superior Model is employed as evidence of copper's special status as an exotic and desirable material. However, the movement of copper has not been demonstrated and the reality of the Old Copper Complex is likely to be far more complex than this simple model. For example, it is entirely possible that copper or certain types of copper artifacts moved south to north in Wisconsin or from the Keweenaw Peninsula around to the north side of Lake Superior via land. With Social Network Analysis, if there is demonstrated directionality to a link, that directionality can be made a characteristic of the link, but it need not be assumed as a part of the basic theoretical formulation.

Another useful characteristic of SNA is that if there is no discernable connection between two locations on the landscape, then there is no reason to define a link between them. Diffusionist models tend to produce a blob effect when illustrated graphically. The blob is an area that is encircled by a line or shading, and which is then implied to have been participant in some cultural phenomena. The problems with this type of illustration are its lack of specificity,



reproducibility, and over-inclusivity. While there is certainly a place for large scale overviews of cultural phenomenon, maps of the Old Copper Complex, produced by different authors over a period of seven decades illustrate the above issues for more in-depth cultural analysis (Figure 2.2). The shape of the Old Copper Complex is difficult to reproduce, because there are no stringent requirements for inclusion.

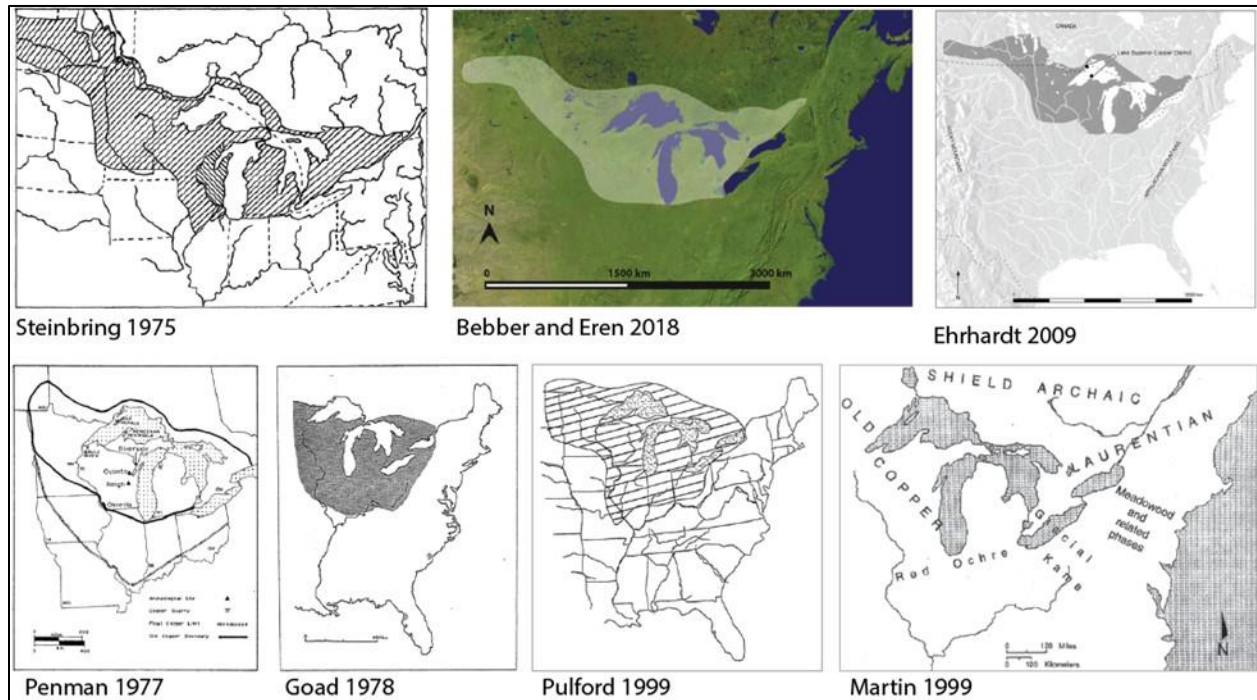


Figure 2.2. Compilation of several versions of the extent of the Old Copper Complex.

This over-inclusiveness is avoided with network analysis by connecting the places on the landscape that actually have evidence of some connection. In the case of the Old Copper Complex, this connection is the presence of at least a single definitively Archaic copper artifact. Specificity can also be addressed using SNA. For example, varying degrees of connection could be defined so that a site with a single copper artifact, from a demonstrated Archaic context, could be included in the network but differentiated from a site with thousands of Archaic copper artifacts and debitage. The links can reflect the apparent difference in site connectedness, rather

than gloss over these types of vital distinctions as happens with blob mapping of the diffusional Lake Superior Model.

### *2.2.1 Examples of Social Network Analysis in Archaeology*

#### *2.2.1.1 Examples of Regional Network Analyses*

One recent example of the application of SNA to an archaeological dataset is the series of studies on Iroquoian ethnogenesis and social signaling (Dermarkar 2019; Dermarkar et al. 2016; Hart et al. 2017; Hart et al. 2016). This research uses ceramics data from over 200 late pre-contact sites in the northeast as the network nodes and links them with a complex mathematically derived (Brainerd—Robinson similarity coefficient) comparison of pottery decoration types (Dermarkar et al. 2016). Sites with similar incidences of decoration types are linked, while sites with different pottery decorations are not linked. The authors argue that the different forms of decoration were used as a social signal of both personal and group identity, likely including one's kinship. What they illustrate using SNA is not a physical network through which pottery was moved, but a social network through which people and their identities moved. They conclude that Iroquoian ethnic identities (and sub-categories subsumed therein, e.g. the Mohawk) were likely developed as a process of assimilation, splitting and re-assimilation over many generations rather than developing unilineally (Hart and Engelbrecht 2012).

The current dissertation project is both similar and distinct from this example. It is similar in that it will utilize a similar regional scale with the site or locality level as its nodes and with links crossing hundreds of kilometers. However, this project was designed specifically to compare two localities rather than several dozen sites, due to the uniqueness of the opportunity to describe and analyze Mr. Bussey's well-documented collections. This dissertation will also use a comparison of similarity between its nodes as the evidence of links, though that comparison will

not include statistical indices like the Brainerd-Robinson similarity coefficient. Similarity between nodes will be based on comparisons of the characteristics of artifact assemblages from each node, in this case these characteristics are copper tool morphology and copper chemical composition rather than pottery decoration styles. These disparities will limit the conclusions that can be drawn about the Old Copper Complex as compared to the Iroquoian project.

The goal for this dissertation is to test the Lake Superior Model, establish if possible that a network existed, and begin to describe that network's basic structure. Comparing the study locations using formal Social Network Analysis concepts is the beginning of the process of network synthesis (Sindbaek 2013), or reconstitution of a past network, in this region and time frame, rather than a full diachronic network analysis as was done with the Iroquoian dataset. It is hoped that once this framework is established for the Old Copper Complex many other copper producing sites can be added without the need to completely reinvent the theoretical and methodological mechanisms in use here.

Another example of the use of SNA in archaeology is the work done as a part of the Southwest Social Network Database project (SWSN) (Mills et al. 2013; Mills et al. 2015). This project is even larger than the Iroquoian example, using data from nearly 600 sites in the US Southwest and generating networks at three different scales of analysis from a single river valley up to the entire geophysical province. Data used for site characterization included variables such as site type and size, decorated pottery styles, and obsidian sourcing information (Mills et al. 2013). Decorated pottery was characterized proportionally for each site, in a manner similar to the Iroquoian study discussed above. The authors also used well-known and well-substantiated major obsidian source trace element characterizations to construct obsidian procurement profiles

for each site in the network. They then compare these profiles between sites and link sites with similar obsidian sources into a network (Mills et al. 2013; Mills et al. 2015).

Like the Iroquoian example, this research also used the site level as the scale for nodes. Even though they investigate the whole network dataset at three different scales, they do not change the size of their network nodes, instead they add a number of locations to the analysis (Mills et al. 2015). Links in this network are made using a similarity index comparing site assemblage characteristics. The results of the study indicated local changes in social networks through time, which was interpreted as local populations affected by migration. They show that before A.D.1300, networks were relatively small, confined by geographic boundaries and distance (Mills et al. 2015). After A.D.1300 most of the smaller network areas combine into much larger social networks, sharing both obsidian from distant sources and pottery decoration motifs (Mills et al. 2015).

This dissertation's use of network analysis is similar to the SWSN research in terms of node scale (sites) and links parameters (similarities in material culture between sites). Another similarity between this dissertation and the SWSN research is the use of geochemical sourcing as one factor of comparison between sites. However, unlike obsidian sourcing studies, there is no well-established and accessible database of copper sources, or even a widely accepted, relatively inexpensive method (like XRF trace element analysis for obsidian sourcing) for collecting copper sourcing data. Another similarity between this dissertation and the SWSN project is that this project also seeks to synthesize both social and physical connections between the study locations. The Iroquoian project did not seek to elucidate a physical exchange network between its nodes, rather it was focused entirely on the social network. The SWSN researchers also demonstrated social connections using network-wide decorative motifs found on locally

manufactured pots (Mills et al. 2013). Then they went a step further and demonstrated physical connections using obsidian that had traveled from known sources to distant sites where it was used and deposited (Mills et al. 2013). The dataset for this dissertation includes information on both the chemical composition of copper artifacts and stylistic components of the artifacts and should therefore allow for an analysis of both the physical and social connections between the study localities. The results of the research in this dissertation will not allow us to reconstruct an entire Archaic period Great Lakes regional network. However, with these results we can characterize the types of connections between two of the nodes of that potential network and will provide a theoretical framework to begin synthesizing a more complete picture of that network.

#### *2.2.1.2 Examples of Directionality and Centrality in Networks*

Two important concepts developed by using network analysis to analyze archaeological data sets include directionality of links and centrality measures of nodes. These are explored by Rivers et al. (2013) in a Middle Bronze Age Aegean setting. They look at the effect of reciprocal versus directional exchange on the shape their network, as well as the effect of interpreting sites as different types of central places (Renfrew 1977; Rivers et al. 2013). They theorize that most economic exchange is not purely reciprocal; instead, one form of material generally moves in one direction while some other product or knowledge moves the other way (Rivers et al. 2013). This situation was suggested by both Brose (1994) and Plegier (1998, 2000) for the western Great Lakes Archaic, based on the appearance of exotic materials from both northern and southern regions found in Great Lakes burial contexts. Data from this dissertation may help to identify directionality of links between the two study localities using copper source data and aggregate morphological traits of copper artifacts.

There are also several kinds of centrality including central place status, socio-political influence, socio-economic influence and betweenness (Rivers et al. 2013). Betweenness is a property of locations (and people groups living in those locations) on the landscape that are geographically in between other important centers of population, interaction, or resource procurement. It is their position, rather than their size or political authority that gives them many of their network connections and much of their central place status. Betweenness, in this sense is similar to one definition of the term semiperiphery in core/periphery or World Systems Analysis (Chase-Dunn and Hall 1991:31). An example of this type of centrality was demonstrated for the Monacans of Late Woodland northeastern North America (Bassett et al. 2019). The Monacans were situated between the coastal plain and the Appalachians and served as go between for copper consumers to the east and the copper producers to the west (Bassett et al. 2019). This position gave them considerable power in relation to their eastern neighbors, as documented by contact period historical accounts (Bassett et al. 2019:2-3). Similar social dynamics may have been applicable to the study areas for this dissertation.

While there appear to be no large centers of population aggregation in the western Great Lakes during the Archaic, there are sites located closer to, and others further away, from the primary copper sources. It is these places through which a physical trade network would be likely to run. Betweenness can be demonstrated by a relative increase “in the variety of artefacts, and the technical innovation of production techniques” (Rivers et al. 2013:130). In the Old Copper context under consideration here, the Lake Nokomis assemblage would be expected to have a higher variety of artifact types and artifact morphologies because it is between Lake Koshkonong and the primary source of copper, and therefore may have acted as a gateway for copper acquisition at the Lake Koshkonong locality.

### *2.2.1.3 Examples of Characterization of Link Strength*

Another integral social network analysis concept being used for this dissertation is the idea of weak and strong links (Granovetter 1973, Rivers et al. 2013; Ryan and Gross 1950) between nodes in the network. The strength of a link has specific social implications that have been identified directly through several independent projects. Strong links in a social network are relationships between people with multiple shared connections (McCulloch 2019). Strong links represent relationships between people who are deeply embedded into one another's networks (Peeples 2019:464). These links may be strong due to close physical proximity, historic or kinship ties, and/or regular economic interaction (Granovetter 1973). Weak links are relationships between people who have few shared connections. Weak links represent relationships between people who may be encountered rarely or briefly and are not deeply embedded in one another's networks (Peeples 2019:464). These links may represent relationships between individuals or groups separated by distance, a physical barrier or cultural differences (Granovetter 1973).

Linguists have used SNA to successfully elucidate language change patterns in multiple contexts by evaluating the strength or weakness of social links (McCulloch 2019; J. Milroy and Milroy 1985; L. Milroy and Milroy 1992). As opposed to a simple "wave" diffusionist model of cultural or linguistic change, weak links have been shown to be important for significant language evolution (Milroy and Milroy 1985:339-40, 1992). The authors argue that while one is more likely to adopt new phrases and expressions through strong ties, strong ties can also foster conservatism in culture due to repeated similar interactions and behaviors becoming doxa. Therefore, although people with weak ties may not interact frequently, weak or infrequent links are more likely to expose individuals to new ideas from a wider pool of people (Granovetter

1973). Weak link interactions can result in relatively rapid culture change through exchange of distinctly different cultural information (Milroy and Milroy 1985).

Granovetter (1973) also explores the cultural consequences of strong and weak ties in sociological terms and notes that weak ties are much more likely to form bridges between communities than are strong ties (Granovetter 1973). Thus, weak ties are far more likely to spread the innovation making the adoption of new cultural features possible. People already linked closely together (with multiple strong ties to each other's connections) will tend to have a conservative influence on one another (Peeples 2019:464) and will therefore tend to resist innovation, since that innovation could change the cultural norms or status quo of the already strongly tied and functional group. Since people (or communities) with weak ties to one another are not as socially interconnected, the social ramifications of experimentation with an innovation are decreased relative to that weak link.

The tendency of strong ties toward conservatism is one of the reasons a community of practice forms (Lave and Wenger 1991). Strong network ties will encourage individuals, making their own decisions, to conform to their community's norms and values (Granovetter 1973:1378). As these norms are translated to physical action and behavior, they might more appropriately be called habitus (Bourdieu 1977). These behaviors then are sometimes materialized through production behavior and left in the archaeological record. The Iroquoian (Hart and Englebrecht 2012) and SWSN (Mills et al. 2013; 2015) projects implicitly use this idea to justify linking nodes with similar decorative motifs on their pottery. The concept of habitus will also be used in this dissertation to discuss comparisons of morphological and metric attributes of copper tool assemblages from the two study localities. Similar habitus, as evidenced



by similarities in comparable assemblages, is an indication of a strong link whereas demonstrably different habitus is an indication of a weak link.

The effect of strong and weak links was demonstrated in a foundational study on the adoption of hybrid seed corn among Iowa farmers (Ryan and Gross 1943, 1950). The acceptance of an innovation by a community through time does not conform to the bell-shaped curve one might expect if the innovation was adopted uniformly (or through pure diffusion, where only exposure was a variable) within a cultural group (Ryan and Gross 1943, 1950). Rather, social centrality or interconnectedness was a negative predictor for adoption, meaning that the more socially connected an individual farmer was, the less likely they were to initially adopt the new, more productive, seed. More recent work suggests that interpersonal competition is particularly important for adopting innovation (Burt 1987). Other studies suggest that the degree of perceived risk of innovating is a strong predictor of whether more central or marginal actors will adopt an innovation (Granovetter 1973). Thus, while strong ties are generally a culturally conservative force, once one or more influential or powerful members of a community adopt an innovation, the spread of the innovation proceeds rapidly due to intragroup competition. In the case of hybrid corn adoption, Ryan and Gross (1943, 1950) show that marginal members of the farming community were the first to try the new corn. Once these more marginal farmers showed that the new corn's productivity outweighed its costs, it was adopted by the more central and socially aggrandized landowners. Economic competition among these locally aggrandized families then fueled rapid acceptance of the new seed.

In this dissertation, the concept of weak and strong ties is used to characterize the links between the two study localities. Each of the dimensions of comparison between the two localities can be characterized as the same, partially the same, or completely different.

Dimensions of comparison that are the same would be considered strong links. For example, the sizes of a particular type of copper artifact found in both assemblages could have the same mean, suggesting that these artifacts come from the same manufacturing population. The use of the same population of copper artifacts in two separate communities would suggest that a strong link existed between those two communities in terms of where they were getting that particular artifact type. This theoretical manufacturing population may have been controlled by strong ideology and regular policing of the norms, or by the same group of artisans consistently doing the manufacturing, or through thorough mixing of a large population of artifacts. In any case, regular social interaction would be required to maintain statistical similarities between the locality assemblages.

Dimensions of comparison that are only partially the same would be considered weak links. For example, if the length of a particular type of copper artifact was the same at both localities, but the average width was different it would suggest that some of these artifacts likely come from the same manufacturing population, but that some were made separately, to a more locally controlled width standard. Another example would be a particular type of projectile point at both localities might have very similar distal and medial morphology but a different proximal morphology. This small, non-functional difference illustrates the fact that both communities were using a similar idea about how to make that type of projectile point but applied their own stylistic variation to part of it. These differences may or may not be intentional, but either way the difference is evidence of a different production habitus and cultural norms.

Dimensions of comparison that are different between the two assemblages would represent no link between the localities in regard to that particular dimension. For example, if the average size of a particular type of copper artifact found in both assemblages was smaller at one

locality than the other it would indicate that those types of artifacts come from separate manufacturing populations. In this case, it is most likely that type of artifact was made locally, to local standards, though it is possible that they could have come from separate non-local manufacturing centers. Another example would be when one assemblage has one type of artifact and the other does not have that artifact. This difference in co-occurrence would suggest that the two communities have different tool needs and therefore no connection in terms of that tool type or subsistence practice.

#### *2.2.1.4 Examples of Local versus Regional Networks*

One final network analysis concept of interest delineates the tension between local and regional communities and their implications for distinctive material distribution through exchange networks (Sauvet 2019). A community can be defined as a group of regularly interacting people, or a social network (as in Sterner 2018:49). Many different types of communities have been defined in the anthropological literature, but for this dissertation the definition of community will be kept simple. For this dissertation, a community is a group of people that have regular interactions. These regular interactions form relational links between the people in the community. These links have several consequences including behavioral influence and often conference of an identity.

Communities may exist on multiple scales, both local and regional.. Local communities are formed by people connected through strong links and who share a habitus of some kind. Within the context of the Archaic period, local communities were mostly likely formed by relatively mobile kinship-based bands. A local community usually has a material means to distinguish themselves from their nearby neighbors (Sauvet 2019:198). Intra-group identity building is most effective if it has a material component, though that material may or may not be

archaeologically visible due to differential preservation of different materials. These markers, whose primary purpose is to broadcast the identity of the local community, would not normally be items for trade, since that would dilute the potency of the local community identity message (Sauvet 2019). This material would then be expected to have a geographically restricted distribution.

The tendency toward self-identification and local huddling for small community groups is usually balanced by an interest in interacting with people outside the local community to mitigate risk, exchange locally inaccessible materials, to be exposed to new ideas, and just for novelty (Brose 1994:233). “Outward facing” (Sauvet 2019:198) behavior will usually be evident in the movement of some material good from one region to the next. This material should be shared between regions and would have been less socially potent for the residential group because it does not carry with it the group’s identity. Instead, it would be either just a useful material (like high quality siliceous stone for Upper Paleolithic people), or a marker of inclusion in a larger cultural identity (Sauvet 2019:198). It is likely that long-distance exchange networks, the materials they were based on transporting, and the people who participated in them formed an incipient regional community (Sauvet 2019:198). A regional community could theoretically be linked through either weak or strong links. Strongly linked regional community would be produced through regular and formalized interactions between people from different local communities. These regular interactions would tend to produce a common habitus potentially reflected in a common material culture. A weakly linked regional community would be linked through irregular interaction between individuals from different local communities. These weak links would tend to provide for the transmission of information between local communities, but

not habitus. A lack of a common habitus would then be reflected in differences in material culture.

For Archaic Great Lakes foraging bands, copper potentially be a marker of either local or regional community. Its malleable nature allows for accessible symbolic communication through manipulation of copper object morphology. This would allow for ready, material-based, communication of many things, two of which may have been either local or regional identity. On the other hand, it may be a highly useful raw material, and its wide distribution due to Archaic forager recognition of that fact. The dataset used for this dissertation will facilitate some discussion of local and regional community expression in the following chapters.

### ***2.3 Expectations***

The first goal of this research is to demonstrate whether or not a link (and therefore a network, as implied by the LSM) existed between the two study localities during the Archaic. Network synthesis beyond the two study locality nodes is beyond the scope of this project, though further definition of the Old Copper Complex social network will hopefully be facilitated by the methods outlined here. Once a rigorous framework for inclusion of a suspected node in the Old Copper Complex network is defined, then new sites can be added to it as often as they are demonstrated. A second goal of this research is to determine what kind of network may have existed, if one can be demonstrated. This will be accomplished through characterization of the links between the two study localities. This characterization will include discussion of evidence for the relative strength or weakness of links, centrality of nodes, and directionality of the various links between the two localities. These characterizations will facilitate a clear evaluation of the Lake Superior Model.

These two research objectives will be accomplished through analysis of two copper artifact assemblages. There are several independent but overlapping variables that factored into the creation and deposition of the artifact assemblages used as the dataset for this research. These include the modes of procurement of the copper, the modes of manufacture of the copper artifacts, and any number of possible redistribution systems involved with those two activities.

The first variable is the mode of procurement. The copper used to make the datasets used for this dissertation could have originally been procured from either the primary copper sources in the western Lake Superior basin, or from more local secondary glacial drift deposits. Differentiating between these two geographically distinct sources would have significant implications for the size and structure of the acquisition system in use during the Archaic. In a perfect world the best way to tell the difference between these sources would be to chemically characterize a large sample of unworked copper from both sources to determine if they have different chemical compositions or not. Then, if they are different, compare the chemical compositions of copper artifacts to these results. Full chemical characterization of these sources has not been done by anyone previously (Hill 2009:270) and was not a part of the scope of this project. Additionally, a third option is that copper may have been procured at either locality through trade. The question of procurement source is not fully resolved by the data collected for this dissertation. However, the chemical characterization conducted as a part of this research will partly address this issue.

The expected material correlates for direct procurement from the primary source would be that the chemical compositions of the two artifact assemblages are approximately the same. The expected material correlate for direct procurement from secondary glacial deposits would be that the chemical compositions of the two artifact assemblages are different, since the local tills

were laid down by different glacial lobes, scouring different primary copper sources. The expected material correlate for procurement through trade would be that the chemical compositions of the two assemblages largely, but not entirely, overlap. For now, all three sources must be considered legitimate options for copper procurement at both of the study localities.

The second variable is the mode of production. Either the artifacts were made locally or they were acquired as finished products through trade. In the local production model, people in the community created copper objects that they needed, to specifications that would be useful to them, for either logistical or social reasons. The first and most obvious material correlate of this habitus would be the presence of copper debitage. If copper debitage can be identified at a site or locality, then local production was almost certainly at least part of the mode of production used by the community that produced the assemblage found there. A cache of copper debitage could be an exception to this rule. Another material correlate of the local production process would be that the metric sizes and morphological combinations, as well as the overall assemblage compositions observed in the two study assemblages, would be different from one another due to expected differences in the local production habitus.

The other mode for acquisition of finished copper artifacts is through trade. Trade as a central aspect of cultural interaction has been a core interest of archaeologists for many decades (e.g. Bauer et al. 2010; Baugh and Ericson 1993, 1994; Earle and Ericson 1977; Plog 1977; Renfrew 1972, 1975; Torrance 1986). The current research will be able to identify the presence of either strong or weak links between the two communities. For that reason, only two broad types of trade will be considered here. The first type of trade will be called down-the-line trade (Renfrew 1972; Brose 1994), though some special caveats will be needed for this designation. Hypothetically, this scenario involves the interaction of multiple people in one community, with

multiple people in another, neighboring, community on a semi-regular basis. These types of interaction would be considered strong links in network terms because they are regular and overlapping. In the down-the-line scenario, people in neighboring communities regularly meet together to exchange goods and ideas. Finished copper objects would be transported away from the source in ever diminishing amounts due to the consumption of some of the copper by intervening communities (Renfrew 1972). For this discussion then, the salient components of the model are that the interaction is regular, between near neighbors, involves the transfer of finished copper artifacts, and that copper is only moving away from the primary sources, presumably because the more central communities have increased access to copper relative to more peripheral communities. The material correlates of this model would be similar metric and morphological combinations observed in the two study assemblages, because the artifacts are made further up the line and are just passed along. Additionally, the more distant locality's assemblage should be a subset of the more central locality's assemblage due to the consumption of some of the variety in the intervening communities (Rivers et al 2013). The copper compositions would be expected to match, with the more peripheral locality compositions being a subset or less varied than the more central locality compositions.

The other type of trade is through a trade network (Binford 1962; Pleger 1998). The special caveats of the trade network model are that an individual from one community has on infrequent or irregular interaction with individuals from other communities. These types of interactions would be considered weak links in network terms because the people through whom the interactions are occurring are not deeply embedded in the networks of the people with whom they interact. While they may be deeply involved in the actual trading and maintenance of the network, their connections to the extra-local communities they are interacting with are through a



single individual or a small group. Furthermore, these interactions are not occurring regularly enough that behavioral habitus is forming concerning activities such as copper tool manufacturing. In this scenario, copper could move in any direction, either toward or away from the primary source, presumably because access to copper is roughly equal within the network. Material correlates of this scenario are that metric and morphological combinations in the two study assemblages are different. They should be different because the link between the localities is weak and does not facilitate the emergence of a common habitus. Instead, finished tools come from different places, with different habitus, at the two different study localities.

A second material correlate is that the composition of the assemblage, in terms of tool types, would also be different; again because the weak links would not facilitate emergence of a shared habitus. The chemical composition of the two assemblages should overlap, because some of the copper derives from the same sources, but there should also be some artifacts with divergent chemical compositions.

The preceding discussion of these two simplified types of exchange implies a new possibility for the trade-based mode of procurement. If the two types of trade just described were used to procure raw material, rather than artifacts, there should be some evidence in the material record as well. If raw material was procured through down the line trade it should produce evidence of economizing behavior at the more peripheral locality (Jeske 1989, 1992). A material correlate for economizing behavior would include the production of smaller artifacts and evidence for increased reuse or repair in the more peripheral locality (Jeske 1989, 1992). Procurement of raw material through a trade network would be evidenced by the movement of ideas or innovation between nodes, rather than finished artifacts. A material correlate of the

movement of innovations would be similar artifact types with locally distinct morphology or stylistic variations.

Finally, material correlates for local and regional identity communication must be identified. Sauvet (2019) argues that a geographically limited distribution of some recognizable material, morphology, or design is a good candidate for a local community identity marker. In a parallel example of the use of material signaling, Hart et al. (2016) argue that community (in this case ethnic) identity was signaled through manipulation of geometrical patterns on pottery rims. The use of these material signals changed and adjusted through time, as the social and political structure of the regional community changed. When it was deemed profitable, these types of signals could be used to either differentiate oneself from other regional ethnic identities, or in some cases, to align oneself with the larger regional cultural identity (Hart et al. 2016:6). Similarly, Gendel (1983) shows that a change in the distribution of some materials and styles of projectile points in northern Europe's Mesolithic reflect a change in the demarcation of socio-cultural boundaries. To identify a local community in the western Great Lakes Archaic, some design, style, or morphology of copper artifacts could be identified with a strictly local distribution. On the other hand, a material correlate for a regional community identity, would be a material, morphology, or design with a regional distribution.

These modes of procurement, production, and distribution can be combined to form several different types of social networks with differences in properties such as content, centrality, directionality and strength of links. These three types of social networks include direct procurement, down-the-line trade, and a multi-directional trade network. The differences in network properties between these three types of networks are expected to translate into the different material correlates in the archaeological record as discussed above. The graphic (Figure

2.3) below summarizes the theoretical reasoning behind each of the three possible types of social networks expected for the Archaic Western Great Lakes. The table (Table 2.1) below summarizes the material correlates expected for each of the three expected types of social networks.

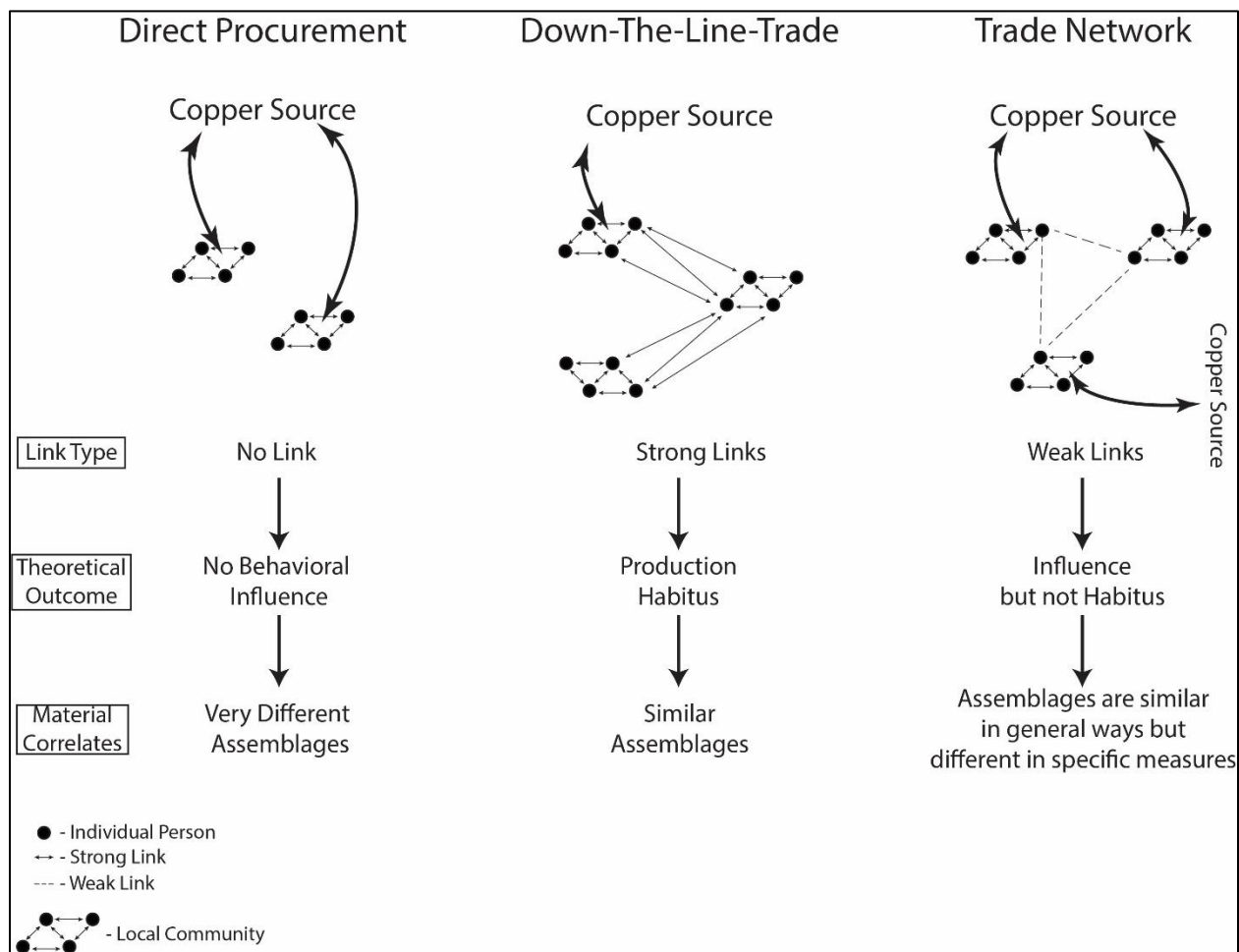


Figure 2.3. Diagram illustrating the three expected types of social networks responsible for the movement of copper.

Table 2.1. Expected material correlates for the basic types of possible social networks in use during the Western Great Lakes Archaic.

| <b>Material Correlates</b> | <b>Modes of Production</b>                         |  |  |
|----------------------------|--|--|--|
|                            | <b>Local Production</b>                            | <b>Down-The-Line Trade</b>   | <b>Network Trade</b>   |
| Debitage                   | Present  | Absent   | Absent   |
| Artifact Morphology        | Different morphologies for similar tool types      | Artifacts of a type of the same average morphological combinations | Artifacts of a type of the same average morphological combinations |
| Artifact Metrics           | Different metric attributes for similar tool types | Artifacts of a type have the same average metric measurements      | Artifacts of a type of the same average morphological combinations |
| Assemblage Composition     | Very different                                     | Peripheral assemblage is a subset of the central assemblage        | Somewhat different   |
| Copper Composition         | Unknown  | Very similar, but with a compositional subset                      | Overlapping, with distinctly clustered outliers                    |

| <b>Modes of Raw Material Procurement</b> |  |  |              |
|--|--|--|--------------|
|  | <b>Direct Procurement – Primary Source</b> | <b>Direct Procurement – Secondary Source</b> | <b>Trade</b> |
| Chemical Composition                     | Very Similar                               | Different                                    | Overlapping  |

| <b>Raw Material Procurement Via Trade</b> |   |   |  |
|---|---|---|--|
|   | <b>Down-The-Line Trade</b>  | <b>Network Trade</b>                                    |  |
| Economizing Behavior                      | Smaller objects and increased reuse or repair at the more peripheral locality     | May or may not produce evidence of economizing behavior |  |
| Movement of innovation                    | More peripheral location should have a subset of more central location assemblage | Localities have very different assemblages              |  |
| Chemical Composition                      | Peripheral composition is a subset of more central composition                    | Overlapping compositions                                |  |

| <b>Local Vs. Regional Identity</b> |                                 |                                    |  |
|------------------------------------|---------------------------------|------------------------------------|--|
|                                    | <b>Local Community Identity</b> | <b>Regional Community Identity</b> |  |
| Distribution                       | Local distribution of a signal  | Regional distribution of a signal  |  |

## CHAPTER 3

### **The Study Localities: Environmental and Archaeological Background**

This chapter presents a historical overview of the climate and ecology of the two study localities as well as a review of the known cultural resources in their vicinity. A basic understanding of the ecological setting during the Archaic will help to define the economic context within which copper became an important raw material. The review of the cultural resources found near each locality is used to illuminate the social contexts within which foraging communities operated and networks between those communities may have formed.

#### ***3.1 Archaic Climate and Environment of the Study Localities***

This section presents an overview of the environmental setting for the two study localities and a discussion of the implications for copper procurement for the people inhabiting those localities. The bedrock of the western Great Lakes region is arranged in a large-scale anti-clinal structure (Figure 3.1). This means that the Lake Nokomis locality is resting on igneous and metamorphic Proterozoic bedrock, while the Lake Koshkonong locality is resting on Paleozoic sedimentary rock. This difference in bedrock would be likely to produce a difference in the available raw material at each locality. Another, more obvious difference between the two localities is that Lake Nokomis is about 300 kilometers north of Lake Koshkonong, which would tend to have a chilling effect on the relative climate. In modern times this difference in latitude produces an average of four fewer weeks of growing season in the more northerly locality. Despite these foundational differences, Lake Koshkonong and Lake Nokomis have relatively

similar geomorphological settings, particularly in terms of alternating upland and wetland regions (Figure 3.2) (Edwards 2010; Salzer 1974). This similarity is largely caused by the presence of glacial terminal moraine deposits just to the south of each of these study localities and subsequent dissection of related post-glacial features (Figure 3.3). While the Archaic (and modern) surficial environments of both localities were formed by broadly equivalent glacial processes, there is an important detail that they do not have in common. These superficially similar environments were formed by different lobes of the Wisconsinan glacial advance, which has important implications for the copper resource available in each locality. (Figure 3.4).

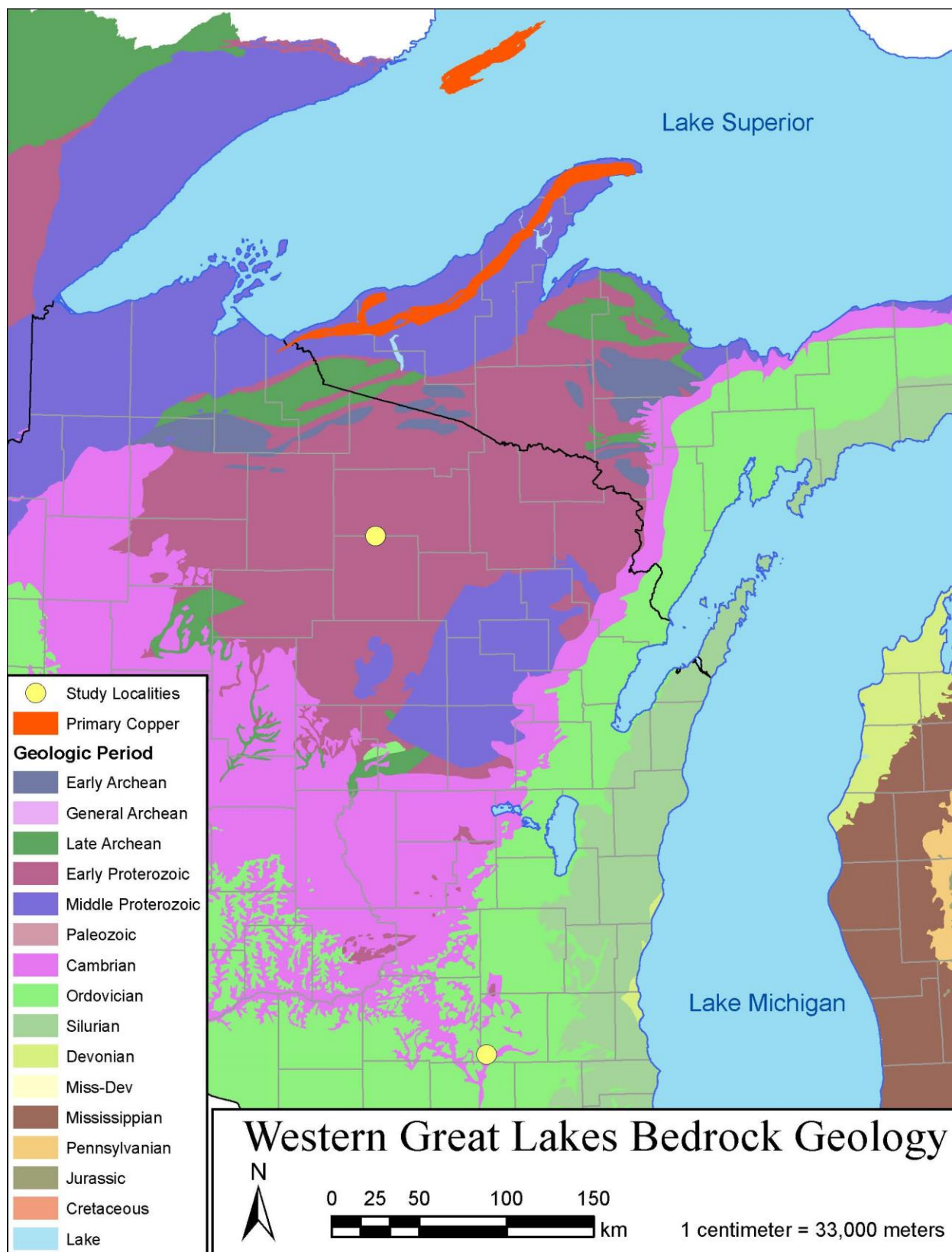


Figure 3.1. Bedrock Geology of the Western Great Lakes with Study Localities and Copper deposits highlighted (Cannon et al 1999; Geology, Geophysics, and Geochemistry Science Center 2019).

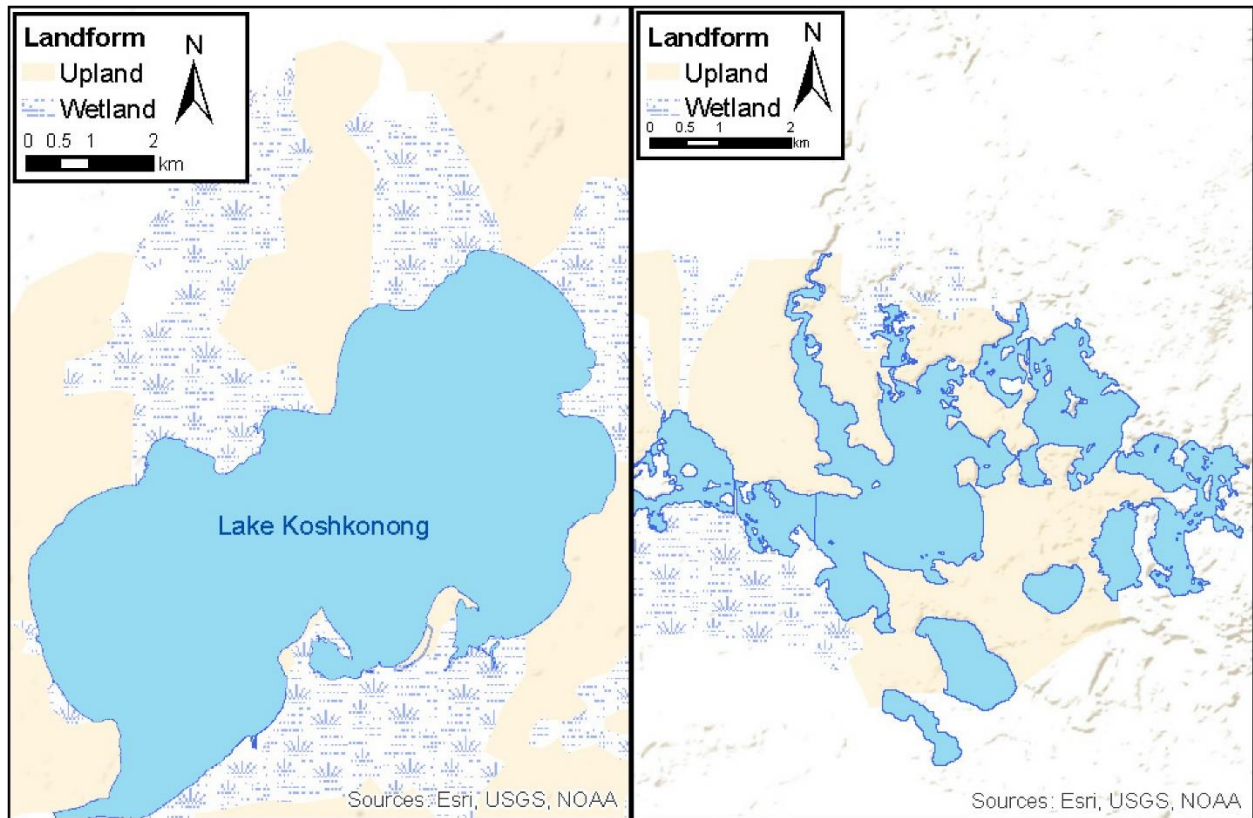


Figure 3.2. Maps highlighting wetland and upland regions around the two study localities.



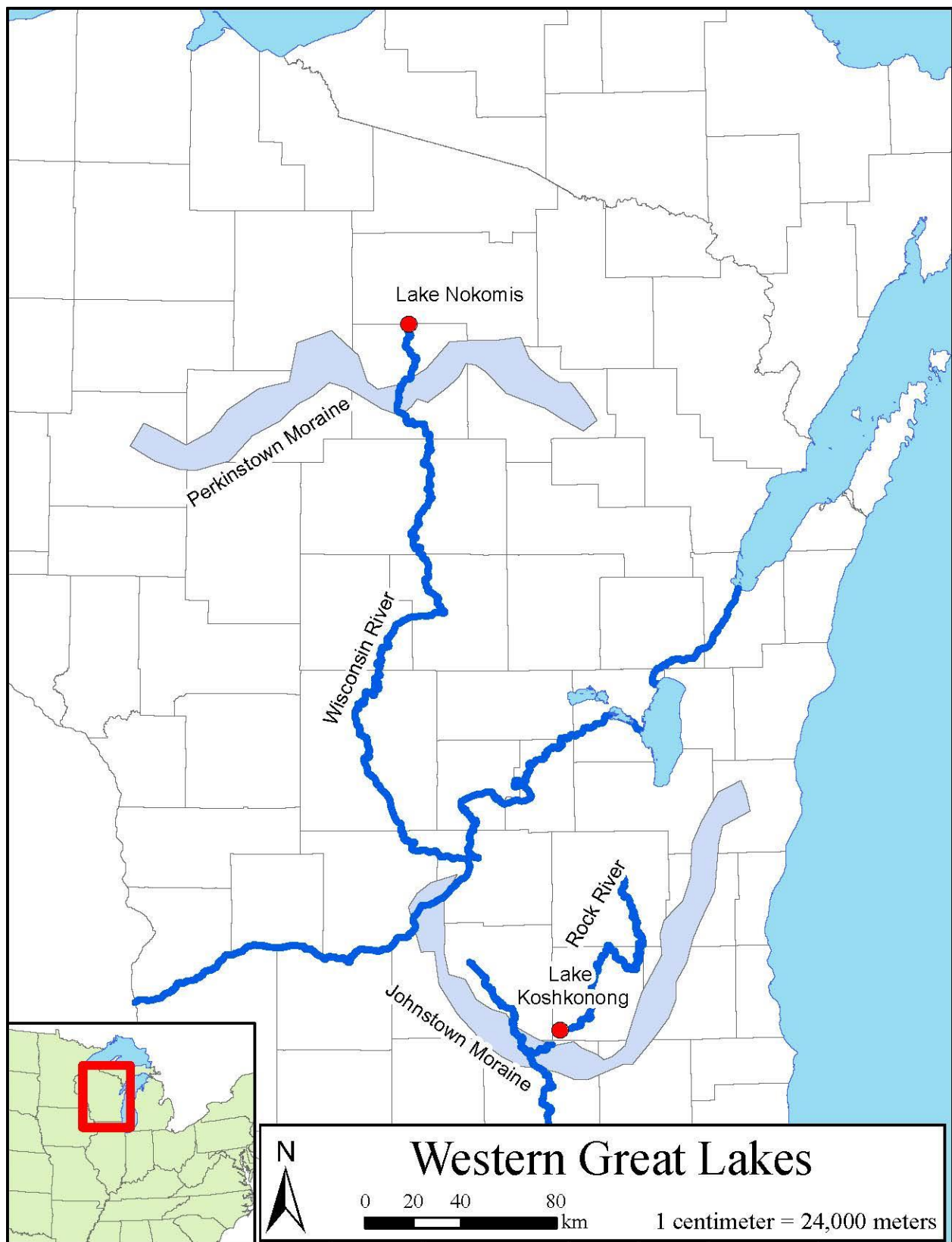


Figure 3.3. End moraines in relation to study localities.



The environment of the western Great Lakes was undergoing considerable changes during the four millennia (roughly 7,000 to 3,000 years ago) that Old Copper Complex artifacts were produced and used (Benchley et al. 1997; Mason 1981; Pleger and Stoltman 2009). In general, the climate cooled from a maximum warm and dry period, during which the elevation of the local water table was lower than its current position (Winkler et al. 1986; Bartlein et al. 1984). This change in water levels likely impacted the subsistence strategies, particularly the choices for site location, used by the people inhabiting these localities in significant ways.

## **3.2 *Lake Nokomis***

### **3.2.1 *Lake Nokomis Environment***

Lake Nokomis is a flooded portion of the Tomahawk River system, a tributary of the Wisconsin River running roughly north to south in northern Wisconsin. It is located in the Highland Lakes District of the Northern Highlands ecological province of Wisconsin (Martin 1965). The northern half of the lake is in Oneida County which currently has 406 named lakes and 830 miles of streams, covering about 10 percent of the total ground surface of the county (Oneida County 2022). The lake straddles the border between Lincoln and Oneida counties and is home to several widely dispersed communities including the Town of Nokomis in Oneida County and the Town of Bradley in Lincoln County. Both of these townships are lightly populated, at less than 47 people per square mile, with relatively little modern development of the area, which is one reason for the lack of known archaeological sites in this area. The area surrounding the modern lake is heavily wooded with primarily pine forest interrupted by dwellings or small businesses along the shoreline.

Modern Lake Nokomis is an artificial lake created by the construction of the Bradley Dam at the confluence of the Little Rice River, the Little Rice Creek and the Tomahawk River (Figure 3.5). The construction of the 18-foot Bradley Dam has flooded these former river valleys and created a 2,433-acre lake that is 34 feet deep at its maximum with an average depth of 11 feet. The impounded river valley is situated in a cluster of natural kettle lakes, which together with Lake Nokomis make up the Rice Reservoir. This reservoir system is overseen by the Wisconsin Valley Improvement Company to produce hydroelectric power, control Wisconsin River flow, and provide water recreation space (Wisconsin Valley Improvement Company 2021). The nearby lakes include Half Moon Lake, Clear Lake, Crystal Lake, Deer Lake, and Bridge Lake which are generally much deeper and clearer than Lake Nokomis (Moffat et al. 1992).

Lake Nokomis is a part of the Northern Highland Sandy Drift Major Land Resource Area, which is a part of the Northern Lake States Forest and Forage Region (USDA NRCS 2006:296-297). The collection localities at Lake Nokomis are primarily found on Vilas-Sayner series loamy sands, which form on glacial outwash plains from sandy outwash sediment and are excessively drained (USDA 2022). The length of the freeze-free season averages about 140 days and ranges between 125 and 155 days (USDA NRCS 2006:296). The average annual temperature is between 39 and 41 degrees Fahrenheit (4-5 degrees Celsius) (USDA NRCS 2006:296) with a high average in July of 77 degrees Fahrenheit (25 degrees Celsius) and a low average temperature in January of 3 degrees Fahrenheit (-16 degrees Celsius). Average precipitation in this area is between 30 and 35 inches (760 – 890 millimeters) annually (USDA NRCS 2006:296). The floral regime in the Lake Nokomis area is a conifer-hardwood forest with deciduous trees such as sugar maple, yellow birch, white ash, red oak, aspen, and white birch and

coniferous trees such as balsam fir, white spruce, eastern hemlock, red pine, white pine, and jack pine (USDA NRCS 2006:297). Important faunal species are white-tailed deer, black bear, eastern gray wolf, grouse, squirrel, rabbit and porcupine (USDA NRCS 2006:297). Animals that might have been trapped for furs in the area include red fox, bobcat, coyote, muskrat, fisher, mink, otter, racoon, and beaver (USDA NRCS 2006:297). Water fowl include both ducks and geese and fish in this area include rainbow trout, brook trout, walleye pike, largemouth bass, smallmouth bass, bluegill, black crappie, yellow perch, musky, and northern pike (USDA NRCS 2006:297). The abundant forest and wetland, riverine and lacustrine environments provide “substantial wildlife habitat.” (USDA NRCS 2006:297)



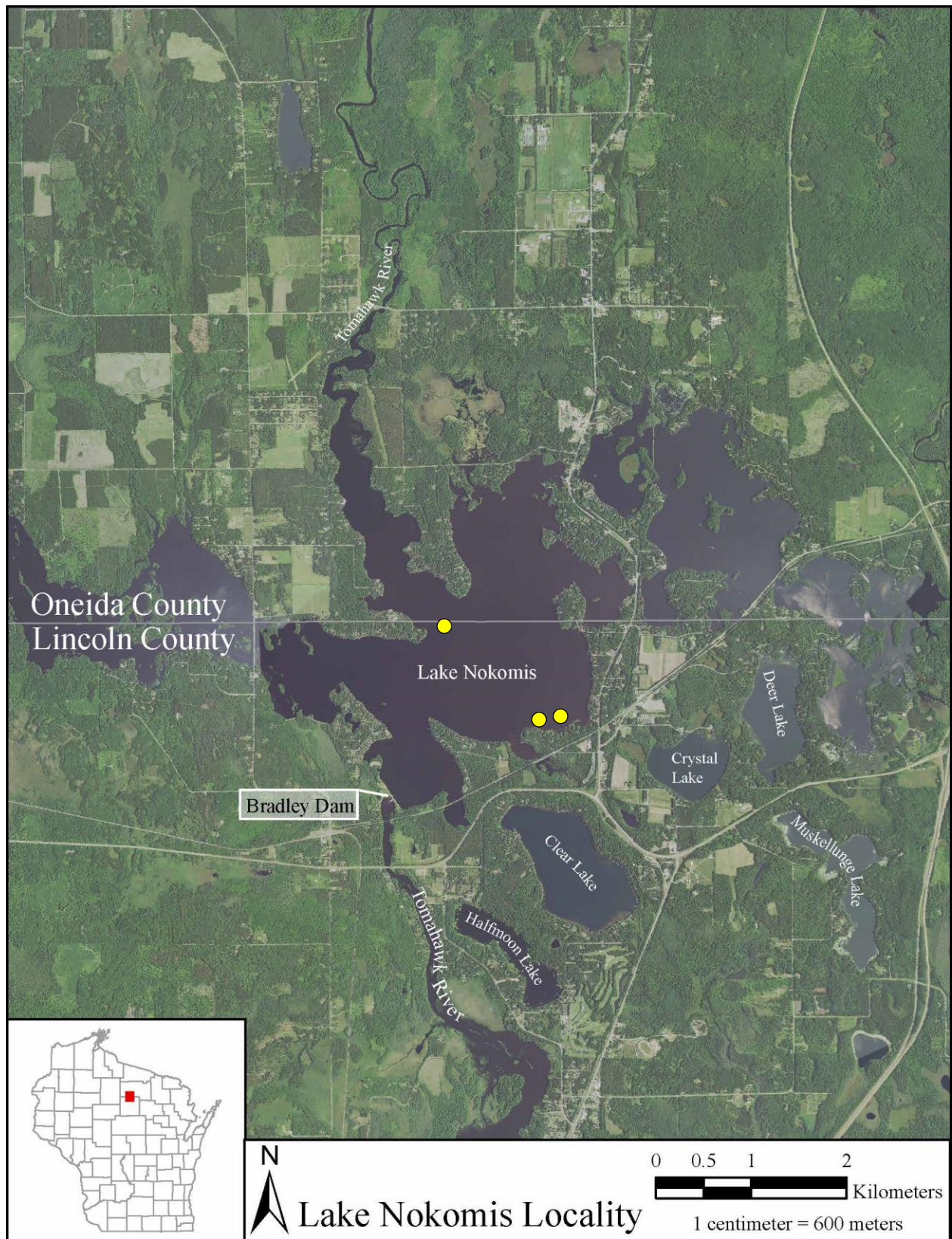


Figure 3.5. Map of the Lake Nokomis region, yellow dots represent Bussey Collection locations.

### *3.2.2 Bedrock Geology of Lake Nokomis Locality*

The Lake Nokomis region is found in the core of the western Great Lakes anti-cline, along with the rest of northern Wisconsin and the western Upper Peninsula of Michigan. This core of ancient rock is composed of one- to two-billion-year-old Proterozoic igneous and metamorphic rock (Maudrey et al. 1982). The bedrock under the study area is nearly 1.9-billion-year-old metavolcanic rock of both mafic and felsic composition (Figure 3.6)(Maudrey et al. 1982). General rock types include schist and gneiss (Maudrey et al 1982). This type of stone does not produce useable raw material for flaked tools. There are also no copper deposits in the bedrock of the study area. Additionally, the bedrock in the immediate Lake Nokomis area is generally buried by around 100 feet of glacial sediment (Trotta and Cotter 1973). Given the depth below the surface, general lack of knappability, and lack of copper, the local bedrock would not have been a source of tool material for Archaic foragers in this area. Additionally, due to the particular glacial history of the immediate area, it is likely that typical crypto-crystalline silicious raw material would have been relatively sparse in the glacial till of this locality as well.

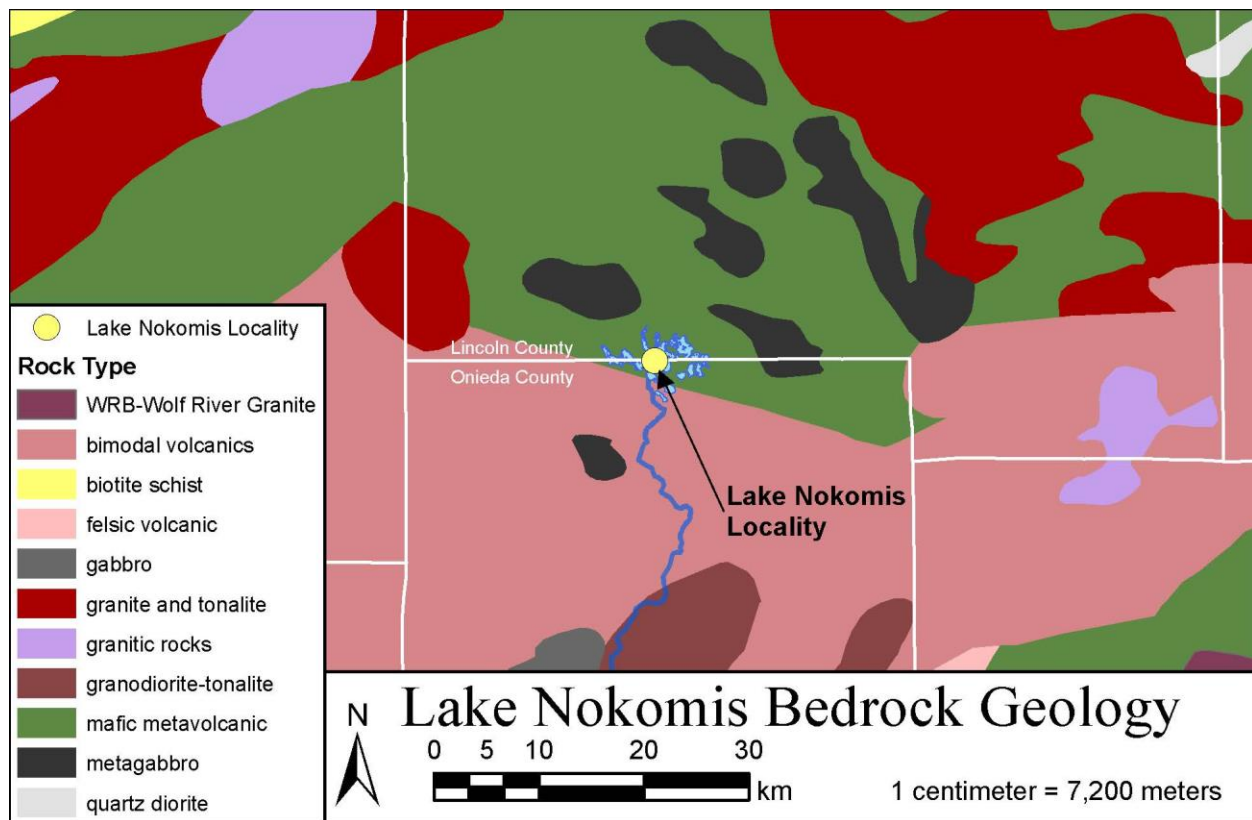


Figure 3.6. Bedrock geology of the Lake Nokomis area (Cannon et al 1999).

### 3.2.3 *Glacial Geology of Lake Nokomis Locality*

The Lake Nokomis study area rests in a sandy glacial outwash plain about 30 miles north of the Perkinstown terminal moraine of the final Woodfordian advance of the Wisconsin Valley Lobe of the Laurentide Ice Sheet (Knox and Mickelson 1974; Moffat et al. 1992:9) (Figure 3.7). The retreat of this glacier between 14,500 BP and 12,000 BP left a young landscape of recessional moraines, kettle lakes, and broad drift and outwash plains (Moffat et al. 1992:7-8). These landforms were made primarily of sand and sandy and gravel sediment. The Tomahawk River system has been draining and slowly dissecting this landscape ever since. The presence of the Perkinstown terminal moraine south of Lake Nokomis, has created numerous locations for wetland basins (Figure 3.2), as surface water struggles to get across the high ground of the end moraine.



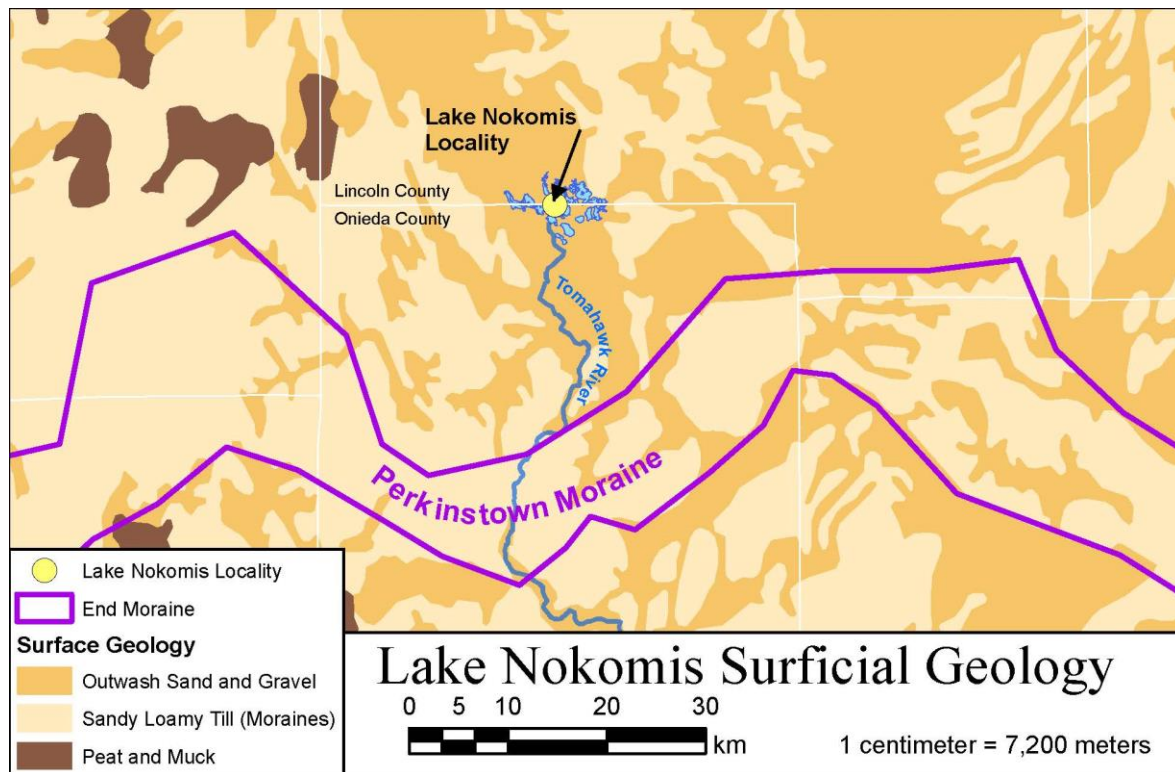


Figure 3.7. Surficial geology of the Lake Nokomis locality (WiDNR 2015).

During most of post-glacial prehistory this area consisted of moderate topographic relief caused by small and moderately sized streams downcutting through recessional moraines and the outwash plain left behind by glacial retreat. In the Lake Nokomis area, waterways such as Little Rice River, Little Rice Creek, the Tomahawk River, and countless other smaller streams cut down through the local recessional moraines creating meandering stream channels and flood plains and adjacent low-lying streamside terraces. Sediments consisting of a large proportion of sand make up the bulk of the sedimentary ground cover in the Lake Nokomis area and are classified as dry to dry mesic soils, (Mladenoff et al. 2008). These sandy soils were accumulated in high energy glacial outwash settings, where larger or denser clasts, such as copper nodules would also tend to be deposited. It is therefore likely that there were significant deposits of glacial float copper nodules dispersed throughout the sediment of this locality. Given the

direction of flow of the Wisconsin Valley lobe of the glacier, this copper would have originated from the western Lake Superior primary copper sources such as those on Isle Royale and the Keweenaw Peninsula (refer to Figure 3.4).

#### *3.2.4 Environmental Reconstruction of Lake Nokomis Locality*

General Land Office (GLO) survey of the Lake Nokomis region shows a vegetational regime of wetlands and swamp conifer stands including white, red, and jack pines, cedar and tamarack tree species (GLO 1860). Sandy glacial outwash soils have promoted pine forest growth in the Lake Nokomis area (Mladenoff et al. 2008) in the modern climate. This biological regime is likely very similar to what existed here during the Archaic period. After the retreat of glacial ice, the climate of the area was affected by a widespread period of warming during the Middle and early Late Archaic periods (approximately 7,000 to 3,000 years BP) (Benchley 1997:78; Mladenoff et al. 2008). The effect of this climate change on the pine forests of the Lake Nokomis area was likely minimized by this area's northerly latitude and the naturally well-drained sandy soils of the outwash plain. To the south the mixed deciduous/conifer tension zone would have moved north and east, coming closer the Lake Nokomis region, but the dry sandy soils would have heavily favored pine growth over deciduous trees regardless of the 1-2°C increase in annual mean temperature (Brubaker 1975; Bartlein et al. 1984). However, the warming period probably did encourage some minimal prairie expansion at the expense of local pine forests (Bartlein et al 1984). This process would have acted to thin out the resources available in the uplands and would have encouraged Archaic foragers to settle closer to water bodies (Benchley 1997; Jeske 1988:8, Brown and Vierra 1983). This likely shift of habitation sites from upland locales to lower elevations has probably resulted in many of those sites currently being under water because of the artificial rise in the Tomahawk River basin due to the

dam creating Lake Nokomis. Coincidentally, these northerly drowned sites are probably in a similar under-water situation as many of the other Early and Middle Archaic sites in the state, particularly those along what would have been the Lake Michigan coastline during that time.

### *3.2.5 Hydrology of Lake Nokomis Locality*

One environmental change that did occur during the Middle Archaic was increased alluviation of the Wisconsin River and its tributary river systems. Warmer drier conditions favor increased upland erosion and lowland deposition in riverine geomorphic systems (Knox 1983). This scenario is an excellent fit for the Lake Nokomis sandy soiled Northern Highlands setting. Increased alluviation of the Tomahawk River system would have the effect of gradually decreasing topographic relief in the immediate area of the waterways, bringing valley floors higher relative to the surrounding glacially deposited bluffs, and broadening and flattening stream-side terraces. This alluviation may have resulted in increased availability of suitably dry near-stream campsite locations while also increasing the volume of near-by marshy terrain with its attendant attractive flora and fauna. The increase in sediment deposition rate would also tend to quickly bury and preserve material culture left behind at these stream-side campsites. One intriguing, but unproven consequence of increased erosion could have been the excavation and redeposition of an increased volume of float copper. Since the landforms being dissected during this time were glacial landforms, it follows that they would have contained float copper. This copper would have likely concentrated in streams, possibly creating an increasingly reliable local source of copper. These warmer drier conditions continued until about 4,000 years BP, at which time the climate began to gradually shift back toward the modern, relatively cooler more moist conditions (Benchley 1997:80).

### *3.2.6 Available Vegetation and Animal Resources at Lake Nokomis Locality*

The minimal warming and drying of the Lake Nokomis region would likely have acted to open up the forest creating ideal foraging locations for deer and elk (Stoltman 1997). Other Burnt Rollways archaeological sites have yielded turtle and fish bones alongside medium to large sized mammal bones, especially white-tailed deer, in habitation sites in Wisconsin's Northern Highlands (Hill 2006; Moffat and Speth 1999). Vegetation was heavily weighted toward conifer forests so deciduous nut mast would have been only minimally available during the Middle and Late Archaic. Hill (2006) reports some evidence of maple trees that could have been tapped at the Duck Lake site, another Burnt Rollways location. Many researchers (e.g. Benchley 1997; Jeske 1988:8, Brown and Vierra 1983) have noted the general shift in site locations toward bodies of water during this time, which suggests an increased reliance on wetland and riverine subsistence resources.

## **3.3 Lake Koshkonong**

### *3.3.1 Lake Koshkonong Environment*

Lake Koshkonong is located along the Rock River in Jefferson County in southeastern Wisconsin (Figure 3.8). The Rock River is the primary river system in the area and its waters ultimately join the Mississippi River in western Illinois. Lake Koshkonong is in the hilly southern section of the Rock River-Lake Winnebago-Green Bay lowlands district, of the Eastern Ridges and Lowlands geophysical province of Wisconsin (Martin 1965). This district is oriented from southwest to northeast through the eastern half of the state and is still largely dominated by glacially deposited landscape features. Modern Lake Koshkonong is impounded by the Indianford dam near its southern outlet, though the outline of the lake was much the same before

the dam was built. Most of the lake lies in the southwest corner of Jefferson County, though small portions of the western and southern shorelines lie in Dane and Rock Counties as well. The area around Lake Koshkonong is relatively rural, the land is primarily used for agriculture today, though there are patches of more modern development here than in the area around Lake Nokomis. The Township of Sumner, along the northern shore of Lake Koshkonong, where most of the Lake Koshkonong copper assemblage comes from, has a population density of about 56 people per square mile, which may affect the number of known cultural resources in the area.

Lake Koshkonong is a part of the Southern Wisconsin and Northern Illinois Drift Plain Major Land Resource Area, which is a part of the Northern Lake States Forest and Forage Region (USDA NRCS 2006:300-302). The collection localities at Lake Koshkonong are primarily found on Watseka and loamy sands (USDA 2022). Watseka series soils formed from sandy outwash sediment deposited by relict lakebeds and are somewhat poorly drained (USDA 2022). The length of the freeze-free season averages about 170 days and ranges between 150 and 190 days (USDA NRCS 2006:300). The average annual temperature is between 43 and 48 degrees Fahrenheit (6-9 degrees Celsius) (USDA NRCS 2006:300) with a high average in July of 83 degrees Fahrenheit (28 degrees Celsius) and a low average temperature in January of 9 degrees Fahrenheit (-13 degrees Celsius). Average precipitation in this area is between 30 and 38 inches (760 – 965 millimeters) annually (USDA NRCS 2006:300). The floral regime in the Lake Koshkonong area is hardwood forest and prairie with deciduous trees such as maple, oak and hickory in the uplands and elm, ash, cottonwood, maple and the coniferous white cedar in the lowlands (USDA NRCS 2006:297). Important faunal species are white-tailed deer, red and gray fox, squirrel, and rabbit (USDA NRCS 2006:301). Animals that might have been trapped for furs in the area include red fox, muskrat, mink, otter, racoon, and beaver (USDA NRCS

2006:301). Bird species common to the area include pheasants, woodcock, ducks and geese and fish in this area include rainbow trout, brook trout, walleye pike, largemouth bass, smallmouth bass, bluegill, black crappie, yellow perch, musky, and northern pike (USDA NRCS 2006:301).





Figure 3.8. The Lake Koshkonong locality, yellow dots represent Bussey collection locations.

Modern Lake Koshkonong is controlled by the Indianford Dam six miles southwest of the Lake Koshkonong outlet on the Rock River. This dam was originally constructed in 1846 and is now managed by the Wisconsin Department of Natural Resources. This manmade impoundment maintains the lake's water level at around 776 ft. amsl (Galloway, M. M. 2019). At that depth, the deepest part of the lake is only seven feet deep with an average depth of five feet (Galloway, M. M. 2019). The dam was used to generate electricity until the 1960s at which time electrical production ceased and management of the dam passed to Rock County, who relinquished control to the Wisconsin Department of Natural Resources in 2003 (Galloway, M. M. 2019). There has been ongoing litigation about the level of Lake Koshkonong since that time. The Wisconsin DNR finally issued an order in 2019 with the intention of balancing conservation of the natural environment and human needs and desires for this waterway. Inexplicably, impacts to the extensive cultural resources in and around Lake Koshkonong were not mentioned as a contributing factor in the decision issued by this order.

### *3.3.2 Bedrock Geology of the Lake Koshkonong Locality*

The bedrock in the Lake Koshkonong area is made up of successive Paleozoic sedimentary beds that dip gently to the south and southeast (Dott Jr. and Attig 2004:236-237). These beds are part of the younger, outer rings of the regional anticline structure of Wisconsin's bedrock. The bedrock of the immediate area includes earlier Cambrian sandstones, Ordovician aged Prairie du Chien Group cherty dolostones, the St. Petersburg Sandstone, part of the Ancell Group which is also Ordovician in age, and the later Ordovician aged Galena and Platteville Formation cherty dolostones and limestones, together called the Sinnipee Group. The Prairie du Chien and Sinnipee Group formations contain chert useful for tool production (Morrow and Behm 1985; Winkler et al. 2004). A little further to the east the Maquoketa Formation and the



Silurian Formations also contain cherts useful for making flaked tools. All four of these cherts were used to varying degrees throughout prehistory by the Native American inhabitants of the Lake Koshkonong district (Sterner and Jeske 2017:9; Sterner 2018; Winkler 2004:92-93). There are no local primary sources of bedrock copper in the area (Cannon et al 1999).

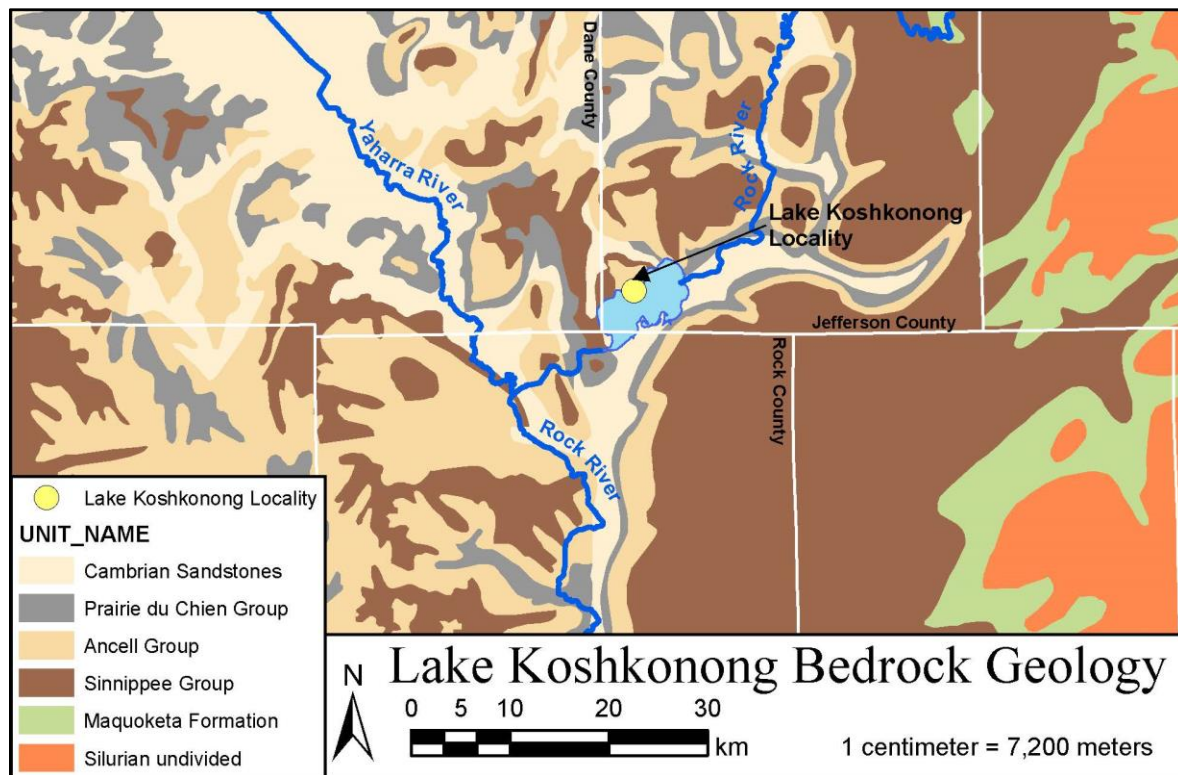


Figure 3.9. Bedrock Geology of the Lake Koshkonong area (Cannon et al 1999).

### 3.3.3 *Glacial Geology of the Lake Koshkonong Locality*

Lake Koshkonong's topography is a direct result of the interaction between the Green Bay Lobe of the Laurentian Ice Sheet and the bedrock anticline described above. This lobe of the glacier followed the relatively soft Makoqueta formation (shale) situated between harder dolomitic limestone layers in its advance from northeast to southwest (Martin 1965). This process left the harder Silurian Dolostone, known regionally as the Niagara Escarpment, to the east and the Galena and Prairie du Chien formations to the west. As the ice sheet reached its

southern terminus about 20,000 years BP, just southwest of Lake Koshkonong, it probably thinned and was unable to continue to scour the landscape flat, leaving Paleozoic bedrock ridges and outcrops near the surface. The landscape along the north side of Lake Koshkonong has relatively high bedrock-controlled ridges with some outcrops of cherty dolostone at the surface alternating with lower swampy areas. These ridges run generally north and south and jut toward the lake from the northern shore creating a series of adjacent parallel highland/lowland ecotones (refer to Figure 3.2).

The Rock River was initially impounded by blockage and damming from Late Wisconsin terminal moraines along the south side of what is now Lake Koshkonong about 10,000 years BP (Glocker 1979:2; Jeske et al. 2003:98; Martin 1965). Prior to this, a series of glacial lakes and wetlands were scattered throughout the area (Alhakimi 2002:65). A proglacial lake, called Glacial Lake Scuppernong, incorporated the Lake Koshkonong basin and other nearby lowlands into one larger waterbody held in place by the Milton and Johnstown terminal moraines to the south. This lake continued to be fed by Green Bay Lobe meltwater until water levels were high enough for it to breach the moraines to the south and west (Alhakimi 2002:65). Once this breach was formed, Glacial Lake Scuppernong drained and the Rock River formed. The river has continued to drain this area through the same opening (Alhakimi 2002:65) ever since. Remnants of the Milton terminal moraine along the south side of the Rock River and a lateral moraine at the western end of Lake Koshkonong continue to naturally impound the river to form the lake and adjacent wetlands (Glocker 1979:2) (Figure 3.10).

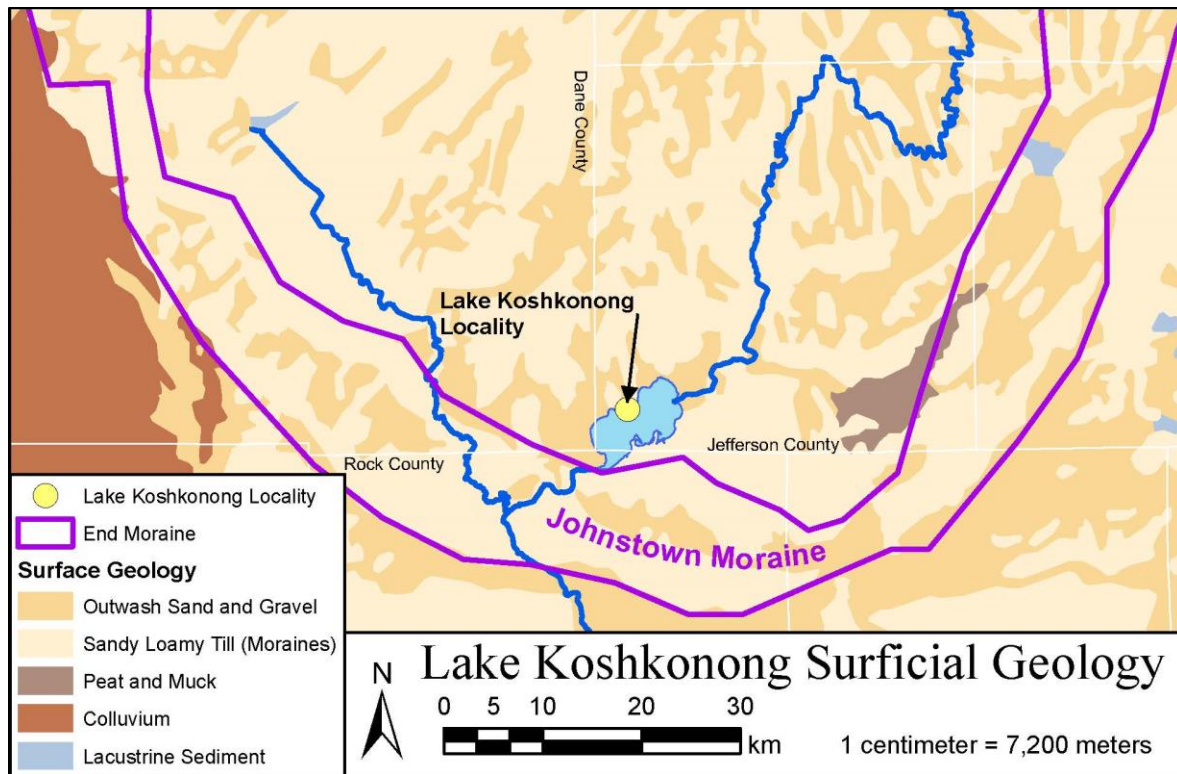


Figure 3.10. Glacial landscape around Lake Koshkonong (WiDNR 2015).

Sediments in the Lake Koshkonong area are complex, resulting from a combination of proglacial lake deposits and intact or reworked glacially deposited till and outwash features. Sediments in the study area range from clay to muck to sandy in a mosaic fashion across the study area (Glocker 1979). Soils where copper artifacts were recovered formed in glacial outwash and ground moraine till sediments along the north shore of Lake Koshkonong. These soils are generally sandy in nature (Jeske et al. 2003:98) and at low elevation, near the current shoreline of the lake. Depth to bedrock in the Koshkonong area is much shallower than at Lake Nokomis and is usually between 0 and 20 feet, except for in the flood plains and lowlands. Glacial float copper nodules have been recovered from these sediments and based on the trajectory of the Green Bay Lobe, they would have originated in the eastern Lake Superior primary deposits in and around the Michipicoten Island (Figure 3.4).

#### *3.3.4 Environmental Reconstruction of the Lake Koshkonong Locality*

The 1833 through 1835 General Land Office Survey of the Lake Koshkonong region indicates that the area was a mosaic of open oak savanna, hardwood deciduous forest, and marshy areas in the lowlands around Lake Koshkonong (Richards and Jeske 2002:34-35). Edwards (2010:59-61) and Jeske (1999) argue that these vegetation patterns go as far back as about 5,500 BP based on palynological data from regional wetlands to both the north and south of the Lake Koshkonong locality (Griffin 1994; King 1981). Prior to the development of the historic oak savanna at the beginning of the Late Archaic period, the area would have likely hosted a slightly more prairie-like environment during the warmer, dryer climate of the Early and Middle Archaic periods (Edwards 2010). The expansion of prairie in the Lake Koshkonong area would have reduced the availability of upland resources like nut mast, which would encourage the inhabitants of the region to rely more heavily on the wetland resources in the area such as turtles, fish, water fowl, and aquatic flora. Moving habitation sites closer to those resources would be a likely natural progression as well. As with the Lake Nokomis locality, many of the Middle and early Late Archaic habitation sites in the area are probably inundated and/or saturated by the modern levels of Lake Koshkonong and the Rock River.

#### *3.3.5 Hydrology of the Lake Koshkonong Locality*

During much of the early Holocene, Lake Koshkonong was a wide shallow marshy area, with a significant amount of open water (Sterner 2018:69). This sediment-filled basin was created largely by Glacial Lake Scuppernong lacustrine sediment, which settled into and filled low areas. This process created level, low-lying shoreline and submerged terraces. These would have become exposed during a locally drier period between 6500 BP and 3500 BP (Winkler et al. 1986:248). There is evidence for a significant decrease in water flow through the Lake

Mendota/Yahara River system (40 kilometers to the northwest) during this interval (Winkler et al. 1986). It is likely that these same conditions affected Lake Koshkonong and the Rock River, decreasing the surface area of the lake, creating more marshy terrain as well as tempting near water habitation locales. While the lake has historically been approximately the same size as its modern incarnation, it has also always been extremely shallow, and minor fluctuations in the water level of the lake can have a drastic impact on the parts of the shoreline available for habitation. Habitation sites from this drier Middle and early Late Archaic period would have been inundated as the annual precipitation increased and the lake level rose to where the GLO surveyors found it.

### *3.3.6 Available Vegetation and Animal Resources at the Lake Koshkonong Locality*

The regional expansion of the prairie peninsula during the Middle and Late Archaic likely had a greater impact on the food resources at Lake Koshkonong than at Lake Nokomis. A decrease in the density of deciduous trees in the local area would have increased local ecological diversity while concomitantly increasing the amount of optimal habitat for deer and elk (Pleger and Stoltman 2009). Although a small sample size, the Kelly North Tract excavations indicated that turtles, fish, small mammal, and bird bone, along with a variety of nuts, especially hazelnut, were also important food resources in the Lake Koshkonong basin (Jeske et al. 2003:163). Thicker stands of trees would have remained in and around wetlands and small waterways surrounding Lake Koshkonong, providing local access to forest resources such as nuts, especially hickory, walnut, and acorn (Simon 2009:90). Due to the consistently productive aquatic habitat in the Lake Koshkonong basin, it is likely that there was an increased reliance on wetland and aquatic fauna including fish, turtles and waterfowl as noted for larger Archaic habitation sites to the south (Brown and Vierra 1983).

### ***3.4 Environment and Access to Copper***

Copper from primary bedrock sources is not available at either of the study localities. Great Lakes copper comes from well-known bedrock outcrops along a 150 kilometer stretch of the Keweenaw Peninsula, a related parallel section of bedrock outcrops at Isle Royale and a lesser discussed island in eastern Lake Superior called Michipicoten Island. The copper in these deposits is the result of geologic activity dating back to 1.15 billion years before present (Bornhorst and Barron 2011:86-88). At that time the Midcontinental Rift system opened, and basaltic lava flows erupted across the surface along long linear fissures (Canon and Nicholson 2000:1). The tops of these lava flows hardened unevenly creating an extremely rough texture caused by either vesicular out-gassing or brecciated broken pieces of cooled lava. Each lava flow averages between ten and 20 meters in thickness and the entire sequence of these flows is about 10 kilometers in the Lake Superior basin Bornhorst and Barron 2011:86). Rifting and the associated eruptions continued for nearly 50 million years and between lava flows there was often sedimentary deposition occurring in the basin so that numerous highly permeable conglomerates are interbedded with the basaltic lava flows (Canon and Nicholson 2000:3). The copper was deposited within and between these layers during a period of compression around 1.06 billion years ago (Bornhorst and Barron 2011:87-88; Cannon and Nicholson 2000:5). One effect of the compression was the creation of a large syncline along the long axis of Lake Superior, the northern arm of the syncline forms Isle Royale and the southern the Keweenaw Peninsula (Bornhorst and Mathur 2017). Michipicoten Island is another surface manifestation of this uplift (Rapp et al. 2000:13). This compression episode also caused significant fracturing and faulting of the entire bedrock complex (Cannon and Nicholson 2000:5). As the area was compressed, copper-rich hydrothermal waters filled the new cracks and deposited massive, pure,

tabular lodes of copper across the region. Copper comes out of solution readily when it interacts with iron rich minerals, so basalts were an ideal substrate (Bornhurst and Barron 2011). The copper-rich solution was only able to penetrate the massive basalt beds along new faults or fissures or between layers, especially if permeability is increased due to vesicular or brecciated formation. Most of the copper deposits are found intertwined with the vesicular or brecciated tops of basalt beds (Rapp et al 2000:10). There are also significant copper deposits in the conglomerates, which are highly permeable, creating lots of depositional surfaces (Rapp et al 2000:10). Once the copper was in place, the whole area was subjected to erosion for nearly 500 million years, until the beginning of the Paleozoic era, which brought the copper deposits to the surface (Cannon and Nicholson 2000:4). There was a long period of deposition during the Paleozoic, and then several subsequent periods of erosion (Cannon and Nicholson 2000:4). Finally, the Pleistocene glacial epoch from two million to ten thousand years ago first scoured overlying burden from these copper deposits, then deposited glacial debris over and around them (Bornhorst and Barron 2011:86-88).

These geologic circumstances did not extend to either of the study localities. The igneous and metamorphic rocks underlying the Lake Nokomis area were outside the Midcontinental Rift and did not receive the influx of copper-rich hydrothermal water. The bedrock underlying the Lake Koshkonong area is much younger than these events and did not receive primary copper deposition either. However, copper was available geologically at both localities from secondary glacially derived sediment sources. Copper from the geologic setting just described was removed from its depositional context, entrained and dragged south and then deposited along with the other sedimentary debris carried by the Pleistocene glaciers (Bornhorst 2016:1-2).

There are several important points to remember about these potential copper sources. First, the Lake Nokomis area is less than 200 kilometers from the primary copper sources. Lake Koshkonong is 500 kilometers from the same area making the trip to those sources for the Lake Nokomis community much more manageable due to the decreased physical distance and therefore decreased social risk from unknown foraging bands. Second, because of the historical tracks of the glaciers the float copper available at each locality must have come from different sources. The glacial drift copper at Lake Nokomis, carried by the Wisconsin Valley Lobe of the ice sheet, would have originated in the western Lake Superior basin, from either Isle Royale, the Keweenaw Peninsula, or some combination thereof (Bornhorst 2016:2; Hill 2009:269). The glacial drift copper at Lake Koshkonong, carried by the Green Bay Lobe of the ice sheet, must have originated in the Michipicoten sources in the eastern Lake Superior basin. Hill (2009:271) shows that these copper sources are chemically distinct and should be able to be differentiated based on their unique elemental combinations. Third, the volume of available drift copper has never been measured or systematically reported, but it is likely that copper nodules were deposited more densely in northern locales than they are in more southern locales. This distribution is likely because of the high density of copper, thus making it more likely to be deposited earlier than other types of clasts, and the fact that there is less total area for them to be distributed. There is also an apparent difference in the amount of copper available from the two primary sources, so that the glacier passing over the western Lake Superior basin would be able to pick up much more copper than the glacier passing over the eastern Lake Superior basin. This argument suggests that it is likely that people in the Lake Nokomis vicinity would be much more likely to regularly find useful float copper than would the people of the Lake Koshkonong vicinity.



### ***3.5 Western Great Lakes Middle and Late Archaic Material Culture***

The copper artifacts that form the data set for this research are largely without traditional provenience data. One of the ways that some of the lost contextual data can be recaptured is through the presence of associated diagnostic artifacts. In order to facilitate discussion of this reconstructed context a short summary of Western Great Lakes Archaic material culture is offered here.

In southern Wisconsin, artifacts considered diagnostic of the Middle and Late Archaic traditions are somewhat limited (Benchley 1997:78). Since this period is pre-ceramic, diagnostic artifacts are largely limited to several types of morphologically distinct chipped-stone tools, and of course heavy utilitarian copper tools. Middle Archaic chipped-stone projectile point types are typically medium to large, side-notched spear or dart points made of local, sometimes heat-treated chert (Pleger and Stoltman 2009; Winkler 2004). These types go by several names, including Raddatz, Osceola, Reigh, Brewerton, Madison side notched, and Matanzas, but are stylistically similar and overlap morphologically (Winkler 2004; Benchley et al 1997; Pleger and Stoltman 2009). Late Archaic point types include Preston, a medium to small corner-notched point and Durst, Lamoka, and Table Rock, which are characterized by rounded shoulders and an expanding stem (Stoltman 1997; Winkler 2004). Other associated lithic tools include large t-drills (Winkler 2004; 63) and ground stone grooved-axes, celts and adzes (Pleger and Stoltman 2009; Stoltman 1997). Copper tools are often found in the same contexts as these types of lithics (Jeske et al 2002; Winkler 2004:66). Contexts containing copper awls and a conical point also yielded shallowly side-notched points similar to Matanzas points at Lake Koshkonong. These contexts were dated to 3130 – 3050 years BP at the Kelly North Tract of the Carcajou Point Site.

Copper found at Jaco site with two large projectile points dates to 2515 BP±25 (**Error! Reference source not found.**) (Jeske et al 2002; Jeske et al. 2010).

In northern Wisconsin, the projectile points have largely the same morphology, though they are not made of local lithic materials. Most of the more northern chipped stone tools are made of either quartz, which can be regionally obtained, or cherts coming from well outside the local area. Both side-notched and corner-notched points were rarely made of so-called exotic material, such as Knife River Flint (Benchley et al. 1997). Other chipped stone tools reportedly associated with copper tools are scrapers, graters and drills (Benchley et al. 1997).

Both southern and northern localities yield well-made ground stone axes, with either full or three-quarter grooves for hafting, along with other ground stone tools (Benchley et al. 1997:79). Very generally, heavy ground stone tools are considered a rough diagnostic marker of the Middle Archaic, which is thought to be another consequence of populations settling into territories and revisiting seasonally occupied sites. This moderately more sedentary strategy creates a need for more permanent construction, which can be facilitated by the use of these heavy axes to procure more robust timber resources.

### ***3.6 Lake Koshkonong Cultural Resources***

A relatively large amount of archaeological work has been done in the Lake Koshkonong area. The earliest thorough report on the cultural resources in the area was published by Stout and Skavlem in *the Wisconsin Archeologist* in 1908. Skavlem was a local resident and collected data through personal exploration and from his neighbors around the lake. Stout and Skavlem's (1908) article reported all types of sites including effigy mounds, pre-contact village remains and historical Native American villages in the area. This report also mentions copper and copper

tools coming from several sites along the lake shore, though the authors had no conception of an Archaic period or the Old Copper Complex.

There have also been considerable numbers of more recent professional surveys of the area, including pedestrian survey, Phase I, and collector interviews (Hanson 1996; Musil 1985; Rodell 1984). Musil (1985) records the history of archaeological work in the area from Increase Lapham in the mid-19<sup>th</sup> century, through the Southeast Wisconsin Archaeology Project work in the 1980s and 1990s (e.g., Goldstein 1983; Musil 1987; Hanson 1996). After this time, professional work was continued by various cultural resource management programs and University of Wisconsin – Milwaukee (UWM) archaeology field schools (Edwards 2017:30-35; Haas 2019:26-27; Sterner 2018:69-71; Winkler 2004:40-63). All of this work has resulted in a record of 194 archaeological sites within two km of the modern Lake Koshkonong shoreline. Much of the last half century of professional excavation work here has focused on the abundant late pre-contact and historic village remains in the uplands surrounding the lake (Edwards IV 2017; Hunter 2002; Foley Winkler 2011; Jeske et al. 2011; Jeske et al. 2013; Jeske et al 2020; Karsten et al. 2019; McTavish 2020; Schneider 2015; Sterner 2018).

Of the nearly 200 recorded sites in the vicinity of Lake Koshkonong, 55 have an Archaic component (WHPD 2019) (Figure 3.11). Nearly all these sites are known or were known to local artifact collectors and have been actively hunted over the last century and a half (Musil 1985). These avocational collections reveal a wide array of Archaic artifacts including copper of all varieties, side notched stone projectile points, t-shaped drills, and heavy ground stone tools. Only a handful of these sites have been professionally surveyed or excavated, for example, the Kelly North Tract of Carcajou Point and the Finch Site (Jeske et al. 2002, Haas et al. 2019).

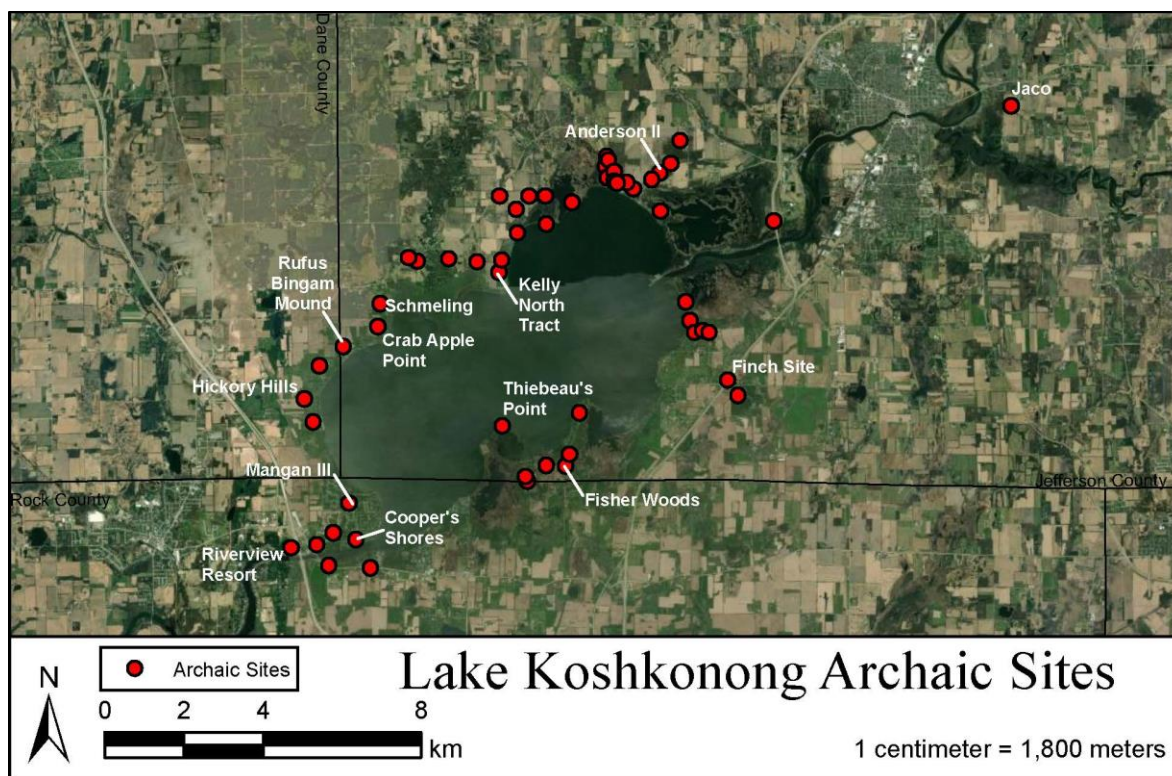


Figure 3.11. Sites with Archaic components around Lake Koshkonong, labeled sites are discussed in the text.

Three sites with Archaic components have been pedestrian surveyed only. These surveys produced diagnostic lithic and copper artifacts for both the Late and Middle Archaic periods. The Hickory Hills (47DA617) site is located on high ground at the west end of Lake Koshkonong and it produced only a few lithic artifacts. The Fisher Woods (47JE0865) site is located between two low marshy areas on the south side of the lake. This site produced a corner notched projectile point identified as Late Archaic. The Mangan III (47RO0247) site is located in the uplands 0.6 km from the western shore of Lake Koshkonong. Pedestrian survey recovered a single corner notched Late Archaic point from this location.

Three sites with Archaic components have been subject to Phase I shovel test excavation. Avocational collections from the Thiebeau's Point site (47JE0030) reportedly contain ground stone tools consistent with Archaic styles and is also recorded as having an Archaic component

in Wisconsin's Archaeological Sites Inventory. It is located on a prominent peninsula jutting north into the lake from the southern shoreline. The Anderson II (47JE0800) site was shovel tested and produced lithic tools diagnostic of the Archaic. This site is located two km east of the lake on relatively high ground. The Cooper's Shores site (47RO0002) is located along the north side of the Rock River as it exits the southwest corner of Lake Koshkonong (Haas 2018; Lippold 1973; Salzer n.d.; Wiersum 1968). This site has produced a significant amount of archaeological material primarily recovered by collectors, though some professional excavations have occurred there (Salzer nd:192-231). Shovel tests did recover cultural material, but none of it was diagnostic of the Archaic. Copper tools such as spears, axes and knives are reported in the site's ASI listing. These were likely observed in avocational collections from along the river shoreline.

Seven sites with Archaic components have been subject to small professional excavations either during cultural resource management mitigation or through field school excavations (WHPD 2019). The Crab Apple Point site (47JE0093) is located along the shoreline of the western most point jutting south from the north shore of Lake Koshkonong. This site has been subject to numerous excavations including those that formed the data set for Janet Spector's 1974 dissertation. Spector's focus was on the historic and protohistoric components of the site, but she does report recovering side notched points, which are likely the result of Archaic activities in the site area (Spector 1974). Stout and Skavlem (1908:81) report numerous copper tools being recovered along the shoreline and in the upland cultivated fields at this location. The Rufus Bingham Mound Group site (47JE0096) is located adjacent to the Crab Apple Point site on the western end of Lake Koshkonong and also produced side-notched and corner notched Preston projectile points, as well as the copper artifacts mentioned by Stout and Skavlem (1908). Another excavated site along the western side of the lake, the Riverview Resort site (47RO0051),

has produced Archaic diagnostics from excavations. These excavations were conducted in 1960 and recovered Archaic diagnostics from the site (Brockington and Wilson 1960). They also recorded numerous projectile points and a copper spear head recovered by collectors from this site area. The Riverview Resort site is located along the north shore of the Rock River, two km west of the river's exit from the lake.

The Schmeling (47JE833) site is located on high ground along the north side of the lake. The pedestrian survey of this site was done during the 2004 UWM field school and did not produce Archaic material, though consistent pedestrian survey by the owners has produced both copper artifacts and Archaic style projectile points. The wooded sections of the site were shovel tested and areas with cultural remains were examined using several small test units. These excavations recovered primarily late pre-historic remains, rather than Archaic material culture.

The Carcajou Point site (47JE0002) was first professionally excavated and reported on by Robert Hall (Hall 1962). His investigations were primarily focused on the Oneota component of the site, which are largely located inland and uphill from the modern shoreline and the Archaic component located there. Later investigations, conducted as a part of the Southeastern Wisconsin Archaeology Program also found primarily later Oneota occupations in the upland portions of the site (Brubaker and Goldstein 1991). The Wisconsin Historical Society conducted a series of small, ad hoc, projects due to archaeological land use covenants, again largely in the Oneota and Late Woodland occupations (Rosebrough and Broihan 2005). Similarly, the University of Wisconsin – Milwaukee conducted a cultural resource management project, primarily in the Oneota and Woodland occupations, in 1997 (Gaff 1997; Richards et al 1998)

The only significant investigation of Archaic materials at Carcajou was an excavation at the Kelly North Tract (Jeske et al 2002, Jeske et al 2003; Winkler 2004, 2011). The Kelly North

Tract of the Carcajou Point site is located northeast of Crab Apple point along Lake Koshkonong's northwestern shoreline. This portion of the site was excavated by a 2002 UWM volunteer field crew under the direction of Chrisie Hunter and Robert Jeske. The Kelly North Tract of the Carcajou Point Site contained Late Paleo-Indian/Early Archaic, Middle and Late Archaic, and Late Woodland components, roughly deposited stratigraphically, though some mixing of the soils was documented (Jeske et al. 2002, Jeske et al 2003:113). For example, Late Woodland diagnostic artifacts were restricted to the A Horizon, while Archaic artifacts are found at the base of the A horizon and farther down into the B Horizon (Jeske et al. 2003:101). Archaeological pit features were found at different levels within the stratigraphy (Jeske et al. 2002:12). Four of these feature contexts were radiocarbon dated producing dates from the Middle to Late Archaic (2900 – 1230 B.C.) (see Table 3.1 below), while one feature was dated to the Late Woodland. The stratigraphy and radiocarbon dates together indicate that this location was occupied intermittently over several thousand years (Jeske et al. 2003:111). However, four of the five radiocarbon dates are from the Middle and Late Archaic. Additionally, many Archaic artifacts were recovered from features and units including five copper Type IV artifacts, a copper conical point, ten side-notched and corner-notched Archaic projectile points and point fragments, and a t-shaped chipped stone drill. Based on this evidence, it appears that this stratigraphic level, "less than two meters above the current level of the marsh" (Jeske et al. 2002:5) was repeatedly occupied during the Middle and Late Archaic period. No human remains were recovered from the site; all the copper comes from village/camp residential pits or midden. Mr. Bussey's Lake Koshkonong assemblage was recovered from very similar stratigraphic contexts, and contained very similar artifacts.

The Finch site (47JE0902) is located approximately 0.6 km east of Lake Koshkonong. The site underwent extensive Phase III excavations which revealed a multi-component site with generally mixed stratigraphy including significant Middle and Late Archaic components. While no dates are reported for these components at Finch, many diagnostic side-notched and expanding stemmed projectile points were found together in association with ground stone tools (Hass et al. 2019). However, no features could be assigned to the Middle or Late Archaic, suggesting this area was occupied less intensively during those periods (Haas et al. 2019:472-483). The Finch Site's naturally mixed stratigraphy, resulting in a palimpsest of cultural material, echoes the geomorphological setting at the Kelly North Tract (Haas et al. 2019). However, the difference at Finch is that the Early Woodland seems to be the most well represented time period, with more ephemeral Middle and Late Archaic usage. The site is situated on a "locally prominent hill and a small terrace adjacent to a spring fed pond (a former marsh)" (Hass et al 2019:3). This wetland adjacent site location is also very similar to the setting at the Kelly North Tract.

The Jaco site (47JE1192) is a Terminal Late Archaic Red Ocher burial site on the southeast side of Lake Koshkonong along the Rock River. The site is located in an excavated gravel knoll and was inadvertently discovered during quarrying activities. This site was documented by the University of Wisconsin – Milwaukee Archaeological Research Laboratory personnel (Jeske et al. 2010). The burial contained copious amounts of red ocher covering skeletal remains and associated artifacts. Artifacts included two bifaces, one of which is exceptionally large and typical of Red Ocher Complex burials, while the other is an expanding stem point made from Wyandotte chert. Copper artifacts recovered from this burial include two awls and 6 copper beads. One radiocarbon date from a wood sample associated with a copper



fragment from this site returned a date of  $2515 \pm 25$  BP cal.790-540 B.C (Romond et al. 2011). After appropriate analyses were complete, all material recovered from the Jaco site by UWM was turned over to the Ho-chunk Tribal Nation.

### *3.6.1 Koshkonong Locality Summary*

Middle and Late Archaic sites in the Lake Koshkonong area are identified primarily by their diagnostic side-notched and expanding stemmed projectile point types (Hass et al. 2019; Pleger and Stoltman 2009; Stoltman 1997; Winkler 2004). Relatively heavy, utilitarian copper tools are also diagnostic of the Middle and Late Archaic period in the Lake Koshkonong region, though copper use for producing awls, beads and pendants does appear to continue through late-prehistory (Pozza 2016). Two sites in the area have radiocarbon dates relevant to the Archaic artifact types listed above. These Middle and Late Archaic components in the Lake Koshkonong locality have been dated to between 4900 – 550 B.C. at the Kelly North Tract Carcajou Point and Jaco Sites (Jeske et al. 2003:109).

Mr. Bussey's collection locations at Lake Koshkonong are all located along the northwestern shoreline of modern Lake Koshkonong. There are several prominent points of land that extend south into the lake from the northern shoreline. Since the lake is so shallow, these points are often marshy and very shallow if they are inundated. At two of these points, Crab Apple Point and Carcajou Point, there are known and recorded Archaic components on shore that probably extend into the shallower parts of the lake. The third collection location, which does not contain a professionally excavated component, is located nearer the east end of the lake. At that end of the lake there is an intermittently inundated or marshy area where Mr. Bussey has recovered many copper artifacts. This site is not yet recorded in the Wisconsin Archaeological Sites Inventory, though that will be addressed once this dissertation is completed. Mr. Bussey's

Lake Koshkonong collection also includes many side-notched and corner-notched Archaic projectile points and t-shaped drills, often recovered along with the copper artifacts. It is clear from Bussey's descriptions and collections that the locations producing the copper were intact Archaic components. In addition to lithic tools, Mr. Bussey also recovered several thousand pieces of copper debitage from the same areas that produced completed copper artifacts.

### ***3.7 Lake Nokomis Cultural Resources***

The Lake Nokomis area has not been as thoroughly explored archaeologically as the Lake Koshkonong area. There were certainly not any early 20<sup>th</sup> century surveys to match Stout and Skavelem's (1908) work. The most in-depth analysis of the area came during the 1960s and 70s when Robert Salzer excavated in numerous lake basins across the northern lake country of Wisconsin (Salzer 1969, 1974). Overall, there is a single professionally surveyed and excavated Archaic site within two kilometers of Lake Nokomis.

In total there are 69 pre-contact sites along the shores of modern Lake Nokomis recorded in the Wisconsin State Historical Society Archaeological Sites Inventory (WHPD 2020). Most of these are simple lithic scatters reported via a Phase I survey. Few of them have demonstrably Archaic or Old Copper related components. The primary exception to this assertion is the Robinson Site (47ON0027) located on what is now a peninsula jutting northwest from the southern shore of Lake Nokomis. This site was professionally excavated in the 1960s and produced several Old Copper style artifacts (Salzer 1969). However, these copper artifacts came from primarily Middle and Late Woodland contexts based on the associated pottery, and so they and the site in general do not directly reflect on the Archaic tradition of the area. However, Salzer (1969:24) reported that more Old Copper style artifacts were recovered by local collectors

from submerged portions of the landscape adjacent to the Robinson Site. Because Lake Nokomis is an artificially impounded lake the Robinson Site's peninsula location would once have been a simple bluff overlooking Big Rice Creek, a tributary to the Tomahawk River (Salzer 1969:25). This portion of the watershed was reportedly marshy lowland and filled with wild rice at the time of Euro-American settlement (Salzer 1969:25).

Two other sites, recorded with the cooperation of artifact collectors, were reported on a second peninsula just to the south of the Robinson Site. Like the Robinson Site, these two sites have also produced numerous Old Copper artifacts when the water level of the lake is lower than the modern average. The first of these sites, the One Tree Isle Site (47LI0125) is located on the north side of the peninsula, which juts out westward into Lake Nokomis. Copper artifacts found in this area include projectile points, knives, several types of crescents, awls, a spud and an adze and miscellaneous types of objects and copper manufacturing debris. The Beuler's Beach site (47LI0126) is located on the south facing portion of this same peninsula and likely represents an extension of the same occupation zone around the end of what was, during the Archaic, a local upland area. Artifacts recovered by collectors from this site include copper projectile points, with an abundance of conicals, knives, awls, fishhooks and several other types of copper artifacts and copper manufacturing debris. During the Archaic period, these two sites would have been located on an upland area, possibly an old river terrace, overlooking the river valley near the confluence of Rice Creek and the Tomahawk River. These sites would have been immediately adjacent to the Archaic site apparently situated just below the upland Robinson Site (Figure 3.12). Given the modern human transformation of the environment in this area, it seems very likely that there are several Archaic sites located at lower elevations throughout the Tomahawk River drainage.

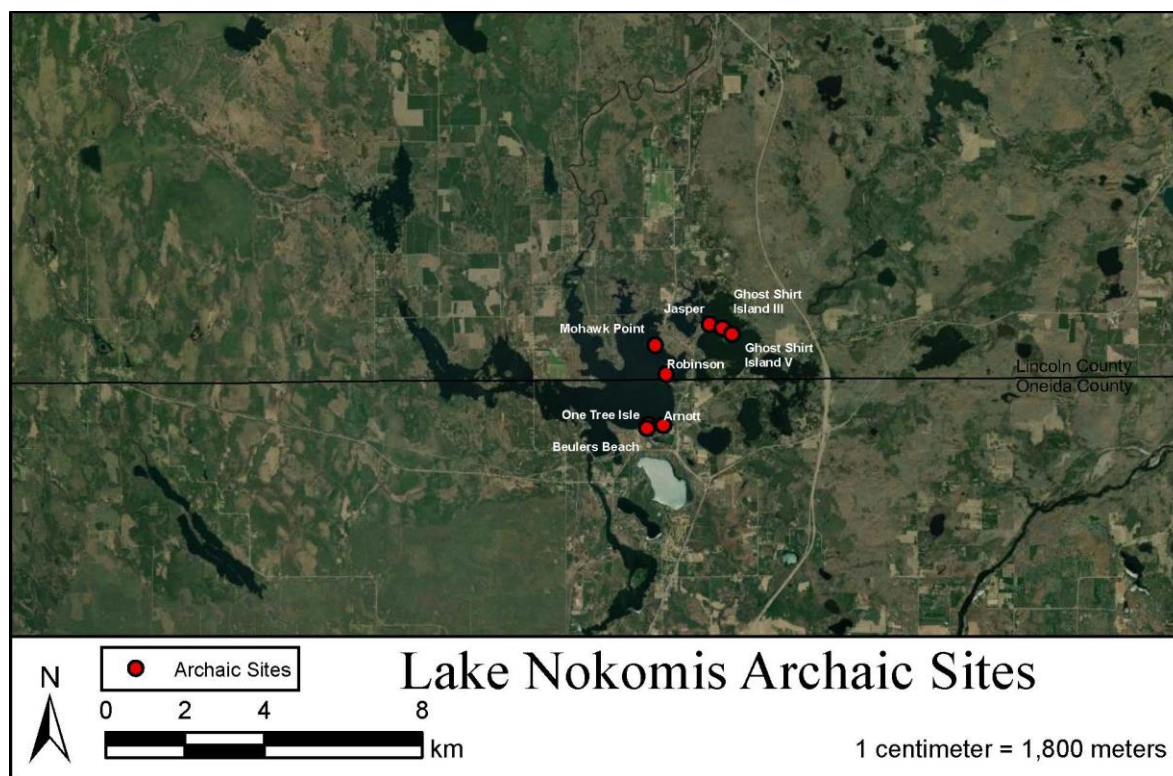


Figure 3.12. Archaeological sites around Lake Nokomis with an Archaic component.

Mr. Bussey had several collection locations in the Lake Nokomis area. They are primarily located on high spots along the old channel of the Tomahawk River as it enters what is now the Lake Nokomis basin from the north. He reports that these collection locations were only accessible when the water levels were lowered by the utility company. Mr. Bussey's copper sites in the Lake Nokomis basin produced primarily copper artifacts, though he does report some quartz debitage being recovered from the same areas. Along with the quartz debitage, Mr. Bussey reports having recovered many pieces of copper debitage from the same locations as the copper artifacts.

### ***3.8 Summary of Archaic Environment and Known Cultural Resources***

The two study localities have several important contextual similarities. Neither locality has direct access to native copper from a primary source. The bedrock at both localities does not

contain any copper that could be mined. However, both localities would have had access to secondary copper sources in glacial sediment deposits. Another similarity between the localities is their geophysical setting. Both localities are situated on river systems largely controlled by glacial landscape features such as end moraine bluffs which contributed to a high density of wetlands and upland ecotones at each locality during the Archaic Period. Finally, Middle and Late Archaic site placement at both localities appears to follow the closer-to-the-water trend noted at other Midwest locales (e.g., Brown and Vierra 1983). This placement has resulted in the inundation and subsequent natural or inadvertent excavation of those sites due to natural and man-made fluctuations in the lake levels.

The study localities also have some important contextual differences. The bedrock at each locality is very different in terms of productive tool material. At Lake Nokomis, there is very little local lithic raw material, except for quartz, which is not often high-quality material. In comparison, in the Lake Koshkonong area there is access to mediocre-to-poor-quality chert (see Sterner 2018), which was used extensively to create a full range of tools. Another very critical difference is the origin of the secondary source copper available at each locality. Due to the differential glacial histories of each locality, we can expect the copper locally available at each locality to be chemically distinct. Their Archaic environments were different as well. At Lake Nokomis a pine forest has prevailed since the glaciers retreated, whereas at Lake Koshkonong, the environment has fluctuated between closed oak forest, open oak savanna, and prairie. During the warm dry period in the Middle and early Late Archaic, the environment at Lake Koshkonong was more dramatically impacted, changing from an oak forest to at least an open oak savanna if not open prairie. The Lake Nokomis area on the other hand was largely unchanged by that shift in climate, creating a stable environment for a longer period of time. Another important

environmental or geographic difference between the two localities is their proximity to the primary copper sources. Lake Nokomis is located about 300 kilometers nearer the copper pit mines than Lake Koshkonong. The primary difference in cultural resources between the two localities is the degree to which each has been subject to professional archaeological attention rather than any real difference in Archaic habitation patterns.

### *3.8.1 Assemblage Contexts*

The Lake Koshkonong locality incorporates two recorded habitation sites with Archaic components and a third habitation site that is not yet recorded along the northern shore of Lake Koshkonong. There are other sites in the area with Archaic components that would have been occupied during roughly the same period that could also be included; relatively recently reported sites such as the Finch Site (47JE0902) and the Jaco Site (47JE1192) are examples. However, the Bussey Collection did not contain artifacts from these locations. Rather, the locations where these artifacts came from were Archaic period habitation and logistical sites and were probably occupied seasonally by small to medium sized foraging bands (Winkler 2004:151). Habitation or at least non-burial context is further demonstrated by some of the other contents of Mr. Bussey's collection, found in the same areas as the copper artifacts, including side notched projectile points primarily made of local chert (Figure 3.13), t-shaped drills (Figure 3.14), and occasionally, ground stone tools (Figure 3.15) consistent with Middle and Late Archaic assemblages in the area (Winkler 2004:141).



Figure 3.13. Middle Archaic Side Notched Projectile points made of locally available Galena and Prairie du Chien Formation Cherts from Lake Koshkonong Locality copper bearing locations.





Figure 3.14. Chipped stone drills, made from local Lake Koshkonong area chert.





Figure 3.15. Ground stone tools in the Bussey Collection, some of which are from Lake Koshkonong copper producing locations.

The Lake Nokomis locality does not incorporate any previously recorded Archaic sites. This is primarily due to the lack of professional survey and/or lag in publication of the Archaic components of sites that have been identified in the area (e.g., the later years of excavation at the Robinson Site) and the inundation of the lower elevation environments where the Archaic habitations are more likely to be found. Late Archaic sites in the region, part of the Burnt Rollways Phase, indicate a seasonally mobile foraging lifeway, with a strong tendency for near-water habitation locales to take advantage of fish spawning, and other aquatic resources (Benchley 1997:82-83; Hill 2009:89). These sites generally have a wide shallow scatter of artifacts with only a few evident structural features, giving credence to the idea that they were occupied only seasonally and ephemerally (Hill 2009:90). Mr. Bussey's Lake Nokomis collection locations match this lower-elevation aquatically oriented landscape use description. It is likely that the Lake Nokomis sites were primarily seasonal habitation and logistical sites; just

one stop on a regular annual round. Mr. Bussey reports that finding non-copper artifacts at Lake Nokomis was much less common than at Lake Koshkonong. He did report recovering a few pieces of quartz debitage, but no lithic bifaces or ground stone tools from that locality. The copper artifacts, quartz debitage, and seemingly more ephemeral habitation of the immediate area put the occupation of this locality comfortably in line with the Burnt Rollways phase of the Middle and Late Archaic.

### *3.8.2 Radiometric Dates*

Several of the Bussey Collection copper artifacts retained significant organic material due to direct contact with copper and copper minerals (see Appendix A for detailed catalog of artifacts exhibiting organic preservation). The organic material from three of these artifacts were sampled and sent for AMS radiocarbon dating at DirectAMS. The dates returned landed comfortably within the Middle and Late Archaic periods and at the Lake Koshkonong locality they align with dates from excavated contexts in the Kelly North Tract of the Carcajou Point Site (Table 3.1). Four separate feature contexts at the Kelly North Tract were radiocarbon dated and provide a two-sigma calibrated range of occupation between circa cal. 2900 to 1300 B.C. (Jeske et al. 2002; Winkler 2004). Leather preserved on the haft of one of Mr. Bussey's points from Lake Koshkonong returned a date of circa 3650-3520 cal B.C., indicating near contemporaneity with the Kelly North Tract material. The Jaco site is a copper and red ocher bearing Late Archaic burial site located 13 km east of the Kelly North site. Wood preserved by copper salts yielded a slightly later date; calibrated 795-540 B.C.

Table 3.1. Radiocarbon dates from the study localities.

| Lab Number  | Site Name   | Material | C14 Age<br>Years B.P. | Standard<br>Dev. | Calibrated Date<br>2 sigma |
|-------------|-------------|----------|-----------------------|------------------|----------------------------|
| ISGS A1655  | Jaco        | Wood     | 2515                  | 25               | 795-540 B.C.               |
| Beta 189658 | Kelly North | Nut      | 3090                  | 40               | 1440-1230 B.C.             |
| DAMS 032952 | Nokomis     | Wood     | 3173                  | 30               | 1505-1400 B.C.             |
| Beta 180024 | Kelly North | Nut      | 3180                  | 50               | 1610-1300 B.C.             |
| Beta 180025 | Kelly North | Wood     | 3540                  | 50               | 2020-1740 B.C.             |
| Beta 180022 | Kelly North | Nut      | 4200                  | 40               | 2900-2640 B.C.             |
| DAMS 032954 | Koshkonong  | Leather  | 4789                  | 34               | 3648-3518 B.C.             |
| DAMS 032952 | Nokomis     | Wood     | 5584                  | 47               | 4503-4341 B.C.             |

At Lake Nokomis, Mr. Bussey collected along the north shore of the lake and was not near any previously recorded pre-contact sites. In fact, to date there has been no professional archaeology done near Mr. Bussey's collection localities (Wisconsin State Historic Preservation Office 2019). Two samples from preserved wood in the hafts of conical copper points from Mr. Bussey's Lake Nokomis collection date to circa cal. 1400 and 4500 B.C. and represent the first radiocarbon dates on copper tools from this part of Wisconsin. These dates also indicate contemporaneity with the Kelly North site artifacts and the generally accepted timeframe for the greatest level of Old Copper Complex activity (Pleger and Stoltman 2009).

## CHAPTER 4

### The Old Copper Complex

#### *4.1 The Archaic Tradition*

The Archaic period is usually split into three distinct traditions termed the Early, Middle and Late Archaic. These traditions span nearly 8,000 years of the region's prehistory. Sites from the Early Archaic are extremely sparse in the Western Great Lakes. Sites from the Middle and Late Archaic become more common, though many of these are obscured by continuous occupation through the Early and Middle Woodland Periods. Additionally, most of the more purely Middle and Late Archaic sites in the region are cemeteries and related associated habitation sites have not been identified.

##### *4.1.1 The Early Archaic*

The Early Archaic Tradition is thought to begin in southern Wisconsin around 10,000 years ago and is evidenced by an increasing incidence of several stemmed and notched varieties of points (Pleger and Stoltman 2009:698). Sites in Wisconsin from this time period are extremely limited and appear to be special purpose locations rather than residential camps of any kind. For example, the Bass Site in southwest Wisconsin, is a nearly pure Early Archaic lithic procurement site (Behm 1985; Stoltman et al. 1984; Pleger and Stoltman 2009:702). Other sites such as the Renier (Mason and Mason 1960) and Gorto Sites (Buckmaster and Paquette 1995) in eastern Wisconsin show some evidence, in the form of thermally fractured bifaces, of being ritual sites (Jeffery Behm, personal communication 2022). One exception to this trend is the Kelly North Tract of the Carcajou Point site, which contains a Late Paleo-Indian/Early Archaic component in

the form of several lancelet-shaped projectile points and projectile point fragments. These artifacts were not recovered in obviously older stratigraphic contexts than the Middle and Late Archaic artifacts, but their presence on the site suggests an older occupation phase was disturbed by later occupations (Jeske et al. 2002:12-15).

Two environmental factors are partially responsible for the lack of data from this time. The first factor is the extremely low elevation of the Lake Michigan shoreline beginning as soon as the glaciers retreated far enough north for that basin to drain to the north. Once that happened, the shoreline fell to more than 100 meters below its current elevation (Pleger and Stoltman 2009:701). This means that evidence of communities living along the Lake Chippewa shoreline of that time would be completely inundated today. The other factor is that the forested uplands became closed, reducing useful floral and faunal resources in what would have been the distant (from the shoreline) uplands of Archaic Wisconsin (Pleger and Stoltman 2009:700).

It was during this period of environmental realignment that copper first began to be exploited in the western Great Lakes. The very earliest dates from copper producing sites in Oconto and Vilas Counties in northern Wisconsin date to between 9,000 – 7,000 BP (Martin 1999:152, Pleger and Stoltman 2009:699). These early dates were initially disputed for the Oconto Site, but in recent years have been supported by modern research in Vilas County where a date from wood preserved in the haft element of a socketed copper tool was returned at over 8,000 BP. (Pleger and Stoltman 2009; WHPD 2019). The development of a copper working technology is consistent with the idea that the small mobile bands of people practicing the relatively highly mobile Late Paleo-Indian lifeway, were becoming more familiar with the resources in their regularly visited environments and began to experiment with and exploit new types of materials.

#### 4.1.2 *The Middle Archaic*

The Middle Archaic Tradition in Wisconsin begins around 6,000 years ago and is represented in the archaeological record by significantly more sites than the previous periods (Pleger and Stoltman 2009:704). The evidence from these sites indicates changes in social structure, technology, and subsistence strategy. Social structure during this time consists primarily of small, mobile, egalitarian kin-based bands, moving seasonally within a more restricted range than in previous periods. This structure is reflected in new tool assemblages and site types in the region (Benchley 1997:79-80; Pleger and Stoltman 2009:698). Stone biface morphology shifts from corner to side-notched hafting (Pleger and Stoltman 2009:704) which likely represents another subtle subsistence and concomitant technological change and/or immigration of a new population into the region. New artifact classes that first appear at this time include both ground stone and copper artifacts which increase in both quantity and variety (Benchley et al. 1997:79; Pleger and Stoltman 2009:704). Perhaps most culturally significant are the shifts in site types and site locations which are evidence of the introduction or imposition of new lifeways and social structures.

Throughout the Early Archaic, the effect of glacial retreat to the north caused the Great Lakes to slowly shrink. Both Lake Michigan and Lake Superior were at their lowest levels at the beginning of the Middle Archaic, when this trend was reversed. After nearly 4,000 years of being ice free, between 4000 B.C. and 3500 B.C., the earth's crust rebounded and the drainage routes to the north and east were closed causing the upper Great Lakes basins to begin filling again (Benchley 1997:78). As this happened, the lower peninsula of Michigan lost nearly half of its available land mass to the steady transgression of the Lake Michigan and Lake Huron shorelines (Lovis 2009:744). It is certain that Wisconsin and Michigan's upper peninsula went through a

similar transition. It is likely that the seasonal rounds of the foraging bands in the area involved regular movement up and down drainages leading to the Great Lakes (Binford 1980; Lovis 2009). As the lakes expanded, these seasonal ranges would be forced to move inland and closer together, into terrain that would have been largely unused in previous generations (Demel 2000). This constriction of habitable territory, while not detrimental to the capacity of foraging bands to capture enough energy from their environment, would be one factor that helped produce the circumscription, increased interaction, and expanded resource utilization we see evidenced in the Middle Archaic archaeological record.

As the catchment areas for Archaic foragers of the western Great Lakes slowly shrank, the people in each community would be likely to become more familiar with their available territory and would therefore be able to exploit the unique resources found there more thoroughly. It is this kind of familiarity that would be likely to lead to experimentation with and eventual adoption of a new kind of material like copper. An additional catalyst for the Lake Nokomis community to develop a copper industry would be their complete lack of suitable locally available, raw material. Geologically and environmentally, chert would not have been available at this northern locality. While quartz was used effectively, its sources are restricted, and it is likely that copper was more readily available in the environment. The Lake Koshkonong community would not have had this same pressure during the Middle Archaic, and probably developed their copper industry different circumstances.

One change at this time is a shift to greater reliance on local stone for chipped stone tool industries rather than a reliance on exotic high-quality cherts as was common during previous traditions (Jeske et al. 2002). Another change is the expansion of the use of ground stone grooved axes in the Middle Archaic tool kit (Pleger and Stoltman 2009:704). It is during this

time that ground stone axes, adzes and other objects made of coarse-grained igneous rocks become much more ubiquitous (Stoltman 1997:113). The presence of these objects suggests an increased reliance on woodworking, which would be useful for activities such as dugout canoe manufacture and construction of more permanent housing. Both of these heavy woodworking activities enable a relatively longer residence in one location.

The use of copper as a tool material rapidly expands during this time period as well (Ehrhardt 2009; Plegier and Stoltman 2009). Evidence for both mining (Griffin 1961; Martin 1999; Pompeani et al. 2013, 2015) and production (Hill 2006, 2009; Hunzicker 2002) as well as a proliferation of artifacts and artifact types made of copper, can be dated to the Middle Archaic in many parts of the western Great Lakes (Martin 1999; Plegier and Stoltman 2009; Wittry 1951). Evidence for this cultural manifestation includes numerous types and sub-types of utilitarian copper items such as projectile points, knives, crescents, perforators, digging and chopping tools and fish hooks as well as ornamental items such as beads, bracelets, pendants, cones, and other ornamentation (Brown 1903, 1904; McKern 1942; Wittry 1950, 1951; Schanen 2017). These types of artifacts serve as the primary dataset for this dissertation.

One reason for the appearance of new site types appears to have been increased population and increased geographic circumscription which produced a need for new social and subsistence strategies. The combination of these environmental factors and other likely more cultural and social factors led to the emergence of two new site types during the Middle Archaic.

One of the new site types in the archaeological record of the Middle Archaic is the rock shelter. In southwestern Wisconsin at least eleven rock shelters have been identified and examined (Theler et al. 2016:9). The earliest levels of these sites are dated to the Middle Archaic and contain diagnostic large side-notched projectile points (Stoltman 1997:121; Theler et al



2016). These rock shelters are found in the heavily dissected uplands of the driftless area in Wisconsin and, based on faunal evidence, were most often and heavily occupied during the fall and winter by small foraging groups. The vast majority (up to 95 percent) of faunal remains from Archaic levels in these shelters are deer or other large mammals (Theler et al. 2016:36). A few other smaller mammals and some aquatic species such as turtles and fish were also harvested but their caloric contribution was minimal during the Archaic (Theler et al. 2016:36). These sites represent the overwintering half of a foraging strategy that was practiced continually from the Middle Archaic up through the Late Woodland.

Very little is known about the summer/warmer months portion of the annual round (Theler et al. 2016:36). Elsewhere in the Midwest, it is clear that Archaic populations aggregated near major waterways during the warm months taking advantage of abundant aquatic resources from those areas (Haas et al. 2019:472;). While these larger sites have not been clearly identified in the western Great Lakes, Lake Koshkonong and Lake Nokomis are locations that would fit that model in some ways. However, while projectile point styles and radiocarbon dates suggest that the rock shelters and the study localities were contemporary, very little copper has been identified in rock shelter contexts. The dearth of copper at rock shelters suggests that the small bands using these shelters did not have a fully operational Old Copper Industry as did the inhabitants of Lake Koshkonong and Lake Nokomis. This disparity may be because the people living in the southwest Wisconsin rock shelters aggregated to the west near the Mississippi River, following the local drainages, resulting in only sporadic interaction with the copper making groups of the Lake Michigan and Lake Superior Basins.

Another type of site first appearing in the Middle Archaic is represented by a series of large cemeteries each originally containing more than 100 interred individuals (Pleger and

Stoltman 2009:704). While cemeteries are as old as human culture, these cemeteries appear to have been repeatedly revisited and reused over the span of generations, which is a phenomenon new to this region in the Middle Archaic. Stoltman (1997:131) notes some systematic differences between these cemeteries splitting them into separate cultural groups geographically. Along with individual burials, the two cemeteries in southwest Wisconsin, the Osceola and Price III sites, also had mass graves with fewer copper artifacts and the Old Copper artifacts interred here were not associated with particular individuals (Stoltman 1997:131). In the northeastern cemeteries the primary mode of burial was in smaller individual pits and copper artifacts, which were much more common, were most often associated with particular individuals (Stoltman 1997:131). These differences mirror the apparent lack of interaction between communities in the driftless zone and those in the Lake Michigan and Lake Superior drainage basins suggested by the rock shelter data. Cemeteries are suggestive of a change from unrestricted mobility to more territorially restricted mobility. In forager societies, repeatedly used cemeteries can be a means to create and maintain boundaries (Bradley 1993). These cemeteries may be at the edges of territories, or just outside the boundary in a liminal space and are clear permanent markers that a particular society call that area home (Bradley 1993).

Two pieces of evidence from these cemeteries further support the idea that distinct Middle Archaic forager bands were beginning to interact with each other more regularly due to an increase in population and a decrease in habitation space. The first is the earliest clear evidence of human-on-human violence in the region in the form of a biface tip embedded in the vertebrae of an individual interred at the Price III site (Pleger and Stoltman 2009:711). While this fatality may have been the result of either internal or external interaction it is likely that increased population and the concomitant increase in social stress were contributing factors.

These cemeteries also contain the earliest evidence of social ranking and long-distance trade. Long distance trade is evident in the presence of obsidian and/or marine shell artifacts in some Old Copper burials in northeastern Wisconsin at the Riverside Site (Hruska 1962, Plegger 1998), Oconto (Plegger 1998:102), and Reigh (Ritzenthaler et al 1956:106). These materials were transported thousands of kilometers to reach their final resting place and are therefore most likely the result of inter-regional trade. The links between the western Great Lakes and the rest of the continent evidenced by these materials indicate an early iteration of a network that was used over the course of the next several millennia, up through at least Middle Woodland (Brose 1994:218) and Mississippian times (Goad 1978).

Social ranking is suggested by the inclusion of these exotic materials, along with copper artifacts, objects made of bone, and stone bifaces in some interments and not in others (Plegger 1998). Social status at the level indicated in Old Copper burials was probably based on achievement (Plegger and Stoltman 2009:710) rather than heredity. While these artifacts represent relatively minor differentiation, it does hint that prowess in trade may be a source of competition between individuals in these societies. When this idea is combined with the evidence for long-distance trade, it suggests that communities participating in the Old Copper Complex were also likely to be interacting and exchanging material with the groups around them. As a well-documented method of decreasing risk and tension between socially distant neighbors, formalized trade would be likely to become an important part of the social dynamic in a more packed late Middle Archaic landscape (Hill 2009). Theoretically, this trade could include the transfer of copper or copper artifacts.

#### *4.1.3 The Late Archaic*

The beginning of the Late Archaic Tradition roughly coincides with the end of the warm dry climatic episode in the Midwest and the Nipissing high water stage in the Great Lakes (Larsen 1987). Around 3,500 years ago, the Great Lakes Basins' drainage to the south reached equilibrium with their recharge, which caused the lake shore and coastal zones to stabilize ecologically (Demel 2000:484; Pleger and Stoltman 2009:712).

The environment of the western Great Lakes became much more modern as the Great Lakes achieved their current mean levels. Previously open oak forests closed in response to the cooler moister climate in southern Wisconsin and in the north the pine forests pushed the tension zone to the south (Benchley et al. 1997:82; Pleger and Stoltman 2009). This change in climate simultaneously created optimal white-tailed deer habitat and increased fishing habitat (Demel 2000), which then influenced changes in subsistence behaviors and extraction and settlement site location. One site location pattern noted by Benchley et al. (1997:82) is the location of Late Archaic sites near upland wetlands. These are interpreted as small extraction camps, just one component of a much larger subsistence picture.

The Late Archaic is materially demarcated from the Middle Archaic Tradition by changes in projectile point technology and burial practice (Benchley 1997; Pleger and Stoltman 2009; Stoltman 1997). Lithic projectile point hafting components change from side notched to corner-notched (Preston Corner Notched), then expanding stemmed (Durst Expanding Stem) varieties across the region (Pleger and Stoltman 2009:713). These diagnostic bifaces were identified and dated to the Late Archaic in the rock shelters of southwest Wisconsin, where they were stratigraphically and radiometrically younger than the side notched styles. Their presence in the same rock shelters used during the Middle Archaic suggests broad continuity in subsistence

patterns. In the rest of the region, diagnostic Late Archaic point styles are often found on the same sites as Middle Archaic and Woodland diagnostic artifacts, which again indicates a relatively stable environment, as well as a stable way of life. Trends such as corner notched then expanding stem points and continuity in land use through time also largely apply to northern Wisconsin Late Archaic locations as well (Benchley et al. 1997:82). While lithics are more often quartz than they are further south, some bifaces are made of locally exotic cherts more readily available in southern Wisconsin (Hill 2009:251).

Trends such as increased population and subsequently decreased mobility continued as well (Jeske 1988:8). Rock shelters continued to be used during the winter months of the Late Archaic (Pleger and Stoltman 2009:714), and larger aggregation sites near river confluences and lakes were used during other parts of the year (Benchley et al. 1997). Both Benchley et al. (1997:82) and Demel (2000:486) indicate upland or inland wetland sites, such as those around Lake Koshkonong and Lake Nokomis, were probably overwintering sites, though it is possible that they were occupied throughout the year.

In northern Wisconsin and the Upper Peninsula of Michigan there are two named Late Archaic phases (Squirrel River and Burnt Rollways Phases) and numerous sites with corresponding archaeological assemblages across the Highland Lakes geophysical province (Salzer 1969). Materially, these phases are similar to those in southern Wisconsin, utilizing the corner notched projectile point style first, then transitioning to the expanding stemmed Durst style (Benchley et al. 1997:82-83). These sites also tend to produce copper artifacts and abundant evidence of copper manufacturing as well.

Another trend with roots in the Middle Archaic, the cemetery burial and ceremonial complex, was also continued and elaborated upon in the Late Archaic. The material

manifestations of these later burial practices are given two names during the Late Archaic, though the differences between the two complexes are probably superficial (Ritzenthaler and Quimby 1962). These burial complexes are referred to as the Red Ocher Burial Complex and the Glacial Kame Burial Complex (Cunningham 1948; Ritzenthaler and Quimby 1961). These complexes continued the use of regionally prominent landscape features for cemeteries and expanded on the practice of acquiring exotic materials for use as burial furniture (Ritzenthaler and Quimby 1962). There was a marked increase in the volume of exotic materials interred with individuals in these burial programs. Probably the most common exotic material was Wyandotte Chert from the Ohio River Valley in either Indiana or Illinois, followed by Burlington Chert from the American Bottom (Ritzenthaler and Quimby 1962; Hruska 1967; Plegler 1998). Marine shell and obsidian (as at the Riverside Cemetery Site) were less frequent inclusions, though they can be found in low numbers at Red Ocher and Glacial Kame burial sites. Copper was also a prominent part of the burial furniture of these complexes. Tools such as projectile points and perforators were deposited with the dead along with non-utilitarian objects such as beads.

The use of copper for subsistence practices continues through this period as well (Plegler 1992; Jeske et al. 2002). The dearth of professionally excavated, well stratified, and dated copper bearing habitation sites (Plegler and Stoltman 2009) has inhibited our understanding of how copper was used and how that use changed from the Middle to the Late Archaic in Wisconsin. The majority of stratified sites with Archaic components are rock shelters, excluding Kelly North Tract (Winkler 2011), and their inhabitants did not leave much copper at all. However, one clear change noted by Plegler (1998) and others was a shift from nearly exclusive production of utilitarian copper objects in the Middle Archaic, to a more even split between utilitarian and decorative objects as evidenced in Late Archaic burial sites.

Woodland populations in the western Great Lakes carried on, in many cases where Archaic traditions left off. Many sites, such as the Finch site at Lake Koshkonong (Hass et al. 2019) and the Robertson Site at Lake Nokomis (Salzer 1969) throughout the region with Archaic occupations also have Woodland diagnostic materials suggesting that the same places were used, often for the same activities for several millennia. The changes that occur after the Archaic primarily include the addition of new technologies (ceramics) to the tool kit, and new food ways (plant domestication) to the subsistence strategy. The use of copper was also changed from primarily a tool making material, to a material more often used to communicate identity of one kind or another (Binford 1962). While the use of copper as a utilitarian raw material appears to decline in most areas, it must be noted here that there is evidence that copper continued to be used for certain kinds of tools in later periods (Pozza 2016). These trends and copper specifically, ultimately contributed to numerous relatively spectacular cultural florescences across the Midwest including the Adena, Hopewell, Effigy Mound, and Mississippian traditions and cultural material.

## CHAPTER 5

### Methods

#### *5.1 Introduction*

In 1950, Warren Wittry (1950, 1951) articulated a typology for copper artifacts that is still commonly used in the field of Old Copper Complex artifact studies (Bradford 2013, 2017; Hunzicker 2002; Pleger 1992; Pulford 2009; Schanen 2017) and by collectors. As such, analysis of copper artifacts for this project began with the use of Wittry's copper typology as its primary organizing instrument. While Wittry's typology is both simple and comprehensive, it presents some challenges for rigorous artifact analysis. As analysis for this project proceeded, it became apparent that his typology was not sufficient to capture all the potentially relevant morphological variation observed in the artifacts in the study assemblage. The wide variation in morphology among artifacts that superficially fit Wittry's type definitions overwhelmed any coherent attempt to fit the data into his scheme systematically. Artifacts that were exceptions to Wittry's simple type definitions became more common than artifacts that fit them. This problem led to a more detailed examination of his typology including a critique of its theoretical foundations.

The difficulty with Wittry's typology was brought to a head at a Midwest Archaeology Conference where I was presenting a poster displaying the full range of morphological variation of what I was calling perforators. Both Dan Wendt (of the Minnesota Historical Society and April Sievert of the Glenn Black Laboratory of Archaeology, separately asked how I had determined that objects depicted on the poster were awls and not some other type of tool, such as a copper pressure flaker or spear tip. As they pointed out, I had demonstrated no morphologically



diagnostic differences between awls and pressure flakers. While I could show that there was significant morphological variation in what I was calling perforators in Bussey's collection, I failed at the fundamental level of determining if any, let alone all, of the artifacts functioned as perforators in the first place. This conversation precipitated the necessity to re-examine my entire classification scheme.

The problem with Wittry's typology, beyond its inability to accommodate all of the morphological variation of a given type, is that the typology is based on assumptions about function. These assumptions are usually informally and implicitly based on analogy with modern and historic metal tools. By its design, this method of artifact assessment is founded in ethnographic analogy using Euro-American cultural understandings and is therefore fundamentally skewed by modern cultural bias and disconnected from the archaeological data it purports to organize. The reason Wittry's typology does not work very well for detailed systematic analysis is because its fundamental organizing principle is an educated guess about the manufacturer's intended function for the object. This principle does not require systematic identification of more than a few morphological traits of the artifacts being analyzed. For example, a knife can be identified by having a cutting blade and handle. All the differences between blades and handles, not to mention other more subtly different features, are subsumed by this overly simple identification.

Pragmatically, there are two distinct problems with this scheme of artifact interpretation. First, there is what might be called the problem of typological pigeon-holing. There can be a great deal of morphological variation within any given functional category. This variation could potentially tell us a lot about the people who made these objects. If these morphological differences are overlooked or ignored because they are extraneous data relative to the typology

being used, then a lot of useful information will never be collected. This oversight will fatally hinder any attempt at addressing larger scale anthropological questions such as the impact of social networks on the development of extra-local community or inequality. Second, the method of determining the function of tools based on implicit analogy is fatally flawed if it is not heavily qualified because tools for different tasks can have the same morphological characteristics. For example, blades and handles are not only found on knives, which means the interpretation of its function is poorly founded. Both problems were encountered while analyzing and reporting on the study assemblage and will be discussed here.

The problem of pigeon-holing is a long-standing issue in archaeological study. Relatively subtle differences in the characteristics of typologically similar artifacts have informed archaeologists about past communities and their cultures since the beginning of the discipline. From the earliest recognition of the transition from stone to bronze tools and weapons to the modern synthesis of network connections through stylistic differences found on pottery, the details have always been critically important to productive understanding of the past. For example, stylistic or non-functional features of an artifact are commonly used as community (at some level) markers (e.g. Hart et al 2016; Mills et al. 2013; Schneider 2015). While Old Copper artifacts do not seem to be primarily decorative in function, they may still differ in functionally neutral ways which can indicate differences in community manufacturing practice. However, these subtle differences are overlooked in Wittry's schema, essentially obscuring otherwise readily observable data about past manufacturing processes and community practices.

In copper studies, the poorly-founded analogy problem is best illustrated by the case of "awls" (Wittry's Type IV-A1 and A2). These objects are rods with pointed ends that Wittry interpreted as tools used to perforate materials such as hide, bark, or wood. Unfortunately, he had

little to no archaeologically derived information to suggest whether these tools were really used on hide, bark, or wood. Instead, he used his modern understanding of what long pointed metal tools were used for, combined with some understanding of the technological systems in use by indigenous foragers, to decide what they were used for. One problem with this interpretation is that there are other uses for long pointed tools. A morphologically analogous tool, such as a copper pressure flaker, is likely to look very similar to an awl but has a significantly different value and use. Wittry's typology provides no way to tell the two functionally different tools apart. As there are no modern experimental data regarding the application of differential straight-pointed-rod morphologies to perforating and pressure flaking tasks, there currently exists no objective (or nearly objective) way to tell the difference between awls and pressure flakers. The problem of manufacturing equifinality and artifact interpretation has been discussed with regards to artifacts across different material types (e.g. Hiscock 2004) but is especially prevalent for malleable materials such as copper, which can so easily take different forms during the manufacturing process.

Despite the arguments made above, Wittry's typology is not completely without archaeological value. Wittry's typology is useful because of its simple, expandable and systematic naming conventions, easily referenced line drawings, and wide exposure. Wittry used a series of Roman numerals, letters and numbers to name his types, sub-types and sub-sub-types. This sort of naming convention is potentially expandable as new types are defined and could avoid the problems of functional assumptions discussed above. Wittry illustrated his typology with simple line drawings highlighting what he thought were the most important morphological attributes of each type. This type of quick visual reference is simple to interpret and therefore accessible to all types of stakeholders interested in copper artifacts. Wittry's typology is also the

most widely distributed and used copper typology in the field since it was published in the *Wisconsin Archeologist* nearly 80 years ago. Given that typology's preliminary nature, it was necessary to develop a new schema for analysis based on artifact morphologies that reflect manufacturing choices made by the artifact's manufacturers. For example, while modern archaeologists cannot currently be sure whether a straight-pointed-rod was used as an awl or a pressure flaker, one can be sure of its straightness and its pointedness.

The schema used for this study is based on observed morphologies of a series of consistently definable components of copper tools (e.g. the cross-section of the distal end, or the shape of the hafting element). The series of observed components is consistent from tool to tool and type to type, making this schema more consistent and replicable than Wittry's, while systematically including the observed morphological variation rather than excluding it based on narrow arbitrary definitions. This schema creates clearer communication about copper artifacts by avoiding functional assumptions and potentially opens new avenues of research into the reasons for the morphological variation in copper artifacts.

## **5.2 *Research Activities***

The artifacts forming the study assemblage for this project were curated by Mr. James Bussey as a part of his privately-owned collection. Mr. Bussey's collection contained artifacts that he both purchased and found personally. The collection also contained hundreds of chipped stone tools, dozens of ground stone tools, thousands of pottery sherds and various historic artifacts. The main body of Mr. Bussey's collection was an assemblage of over 3000 formal copper tools (Figure 5.1) as well as thousands of pieces of copper debitage and unworked float copper. The "personal finds" portion of Mr. Bussey's collection was recovered through

pedestrian survey and metal detection from several locations across Wisconsin and the Upper Peninsula of Michigan. The artifact assemblage for this dissertation consists of all of Mr. Bussey's personally recovered copper artifacts from the Lake Koshkonong and Lake Nokomis localities. The Lake Koshkonong assemblage contains 1,600 formal copper tools. The Lake Nokomis assemblage contains 508 formal copper tools, for a total study assemblage size of 2,108 artifacts.



Figure 5.1. Picture of a portion of Mr. Bussey's copper collection, from multiple Western Great Lakes localities.

This project incorporated four primary research activities. The largest two tasks were the morphological and metric analyses of 1,000 copper artifacts, a sample of large sample of the available copper assemblages. The morphological and metric analyses are described in this chapter and the results are reported in the following chapter. These results are then used to

compare and contrast the assemblages from each of the study localities in Chapter Seven. A use-damage assessment of each artifact was also recorded during this analysis. These data are reported in the following chapter and used to contrast how much copper tools were used at each of the study localities. A chemical characterization study was completed on a sample of artifacts from each locality. The methods for this study are reported in this chapter. The results of the chemical characterization are reported in Chapter Six and are used to determine whether the people at each locality were using copper from the same source or different sources.

### *5.2.1 Inventory of the Assemblages*

The Bussey Collection copper was initially organized according to Wittry's (1951) copper typology. This typology identifies ten basic types of Old Copper artifacts (Table 5.1). When using the Wittry typology, objects are placed, sometimes with difficulty, in each of these largest ten groups based on an inconsistent combination of morphological features and presumed function. For example, determining that an object is a projectile point is accomplished by comparing it to a set of 16 different line-drawings of the sub-types of projectile points. Short definitions or lists of the required morphological features or traits are presented to supplement the drawings. These can be used to double check the visual assignment of type and sub-type. However, most often these definitions are not inclusive of a wide enough array of morphologies and end up excluding artifacts or covering over potentially important morphologies. Despite these limitations, Wittry's typology was used for the inventory of the collection because at the type (and sometimes sub-type) level, the typology did accomplish categorization for most of the artifacts in the study collection.

Table 5.1. Wittry's Preliminary Copper Typology (Wittry 1950, 1951).

| <b>Type Designation</b> | <b>Morpho-Functional Designation</b> | <b>Tools included in this designation</b>   |
|-------------------------|--------------------------------------|---|
| Type I                  | Projectile Points                    | Spearheads, harpoon heads                   |
| Type II                 | Knives                               | Knives                                      |
| Type III                | Crescents                            | Knives, pendants                            |
| Type IV                 | Perforators                          | Awls, Punches, Pikes, Needles, Drills       |
| Type V                  | Excavators                           | Spuds                                       |
| Type VI                 | Woodworking Tools                    | Celts, Chisels, Wedges, Gouges, Axes, Adzes |
| Type VII                | Fish Hooks                           | J-Hook, Circle Hook                         |
| Type VIII               | Spatulas                             | <i>Unknown</i>                              |
| Type IX                 | Bracelets                            | <i>Decorative</i>                           |
| Type X                  | Beads                                | <i>Decorative</i>                           |

The study assemblage of over 2,000 formal copper tools was organized and inventoried relatively unproblematically using the categories listed above. However, the collection was never physically sorted into types because of the ownership and size of the collection, the manner in which they were curated, and their relative fragility. Since the artifacts were privately owned, we wanted to respect their owner and not remove them en masse from his home. These artifacts and the collection as a whole form a significant part of Mr. Bussey's life and identity and removing them all to a laboratory facility for an indefinite amount of time proved impractical and unpalatable. Mr. Bussey displays his artifacts in a large set of glass fronted Riker cases so they can be viewed without the need to remove them or even move the cases in many instances. This is both more convenient and better for the artifacts. Copper artifacts of Archaic age tend to have developed a thick flaky patina and can be very fragile and friable (McKern 1942).

Rather than completing a typical physical inventory of the collection, the inventory was done by collecting a digital photograph of each of Mr. Bussey's cases of copper. Pictures of 60 cases were taken over the course of four visits to Mr. Bussey's home. For each picture the top of the Riker case was removed, to avoid the glare off the glass, and a scale was included next to the artifacts. These pictures were then transferred to a computer and manipulated digitally. For each



case, individual artifacts were digitally assigned an artifact number and a morpho-functional designation using Adobe Illustrator and Adobe Photoshop (e.g. see Figure 5.2). Total numbers of artifacts and artifact types for each study locality were then tabulated in an Excel spreadsheet (Table 5.2).



Figure 5.2. A labeled case of copper artifacts from the Bussey Collection.



Table 5.2. Inventory of the Bussey Collection from the study locations by tool type.

| <b>Type</b>       | <b>Lake Koshkonong (n)</b> | <b>Lake Nokomis (n)</b> |
|-------------------|----------------------------|-------------------------|
| Projectile Point  | 168                        | 210                     |
| Knives            | 41                         | 46                      |
| Crescents         | 1                          | 8                       |
| Perforators       | 1,232                      | 218                     |
| Excavators        | 3                          | 4                       |
| Woodworking Tools | 0                          | 1                       |
| Fish Hooks        | 154                        | 10                      |
| Spatulas          | 1                          | 1                       |
| Bracelets         | 0                          | 0                       |
| Beads             | 0                          | 10                      |
| <b>Totals</b>     | <b>1,600</b>               | <b>508</b>              |

Digital labeling was used for several reasons. Since the surface of copper artifacts is generally extremely friable, any attempt to label artifacts--whether directly or through attachment of a tag--would be harmful to most of the artifacts in their current state. Second since the artifacts are owned and curated privately, it was determined that permanent labeling would have been intrusive to the owner's use and display of the artifacts. Finally, digital records are far more readily accessible than physical artifacts on a practical day-to-day basis.

Mr. Bussey's collection was relatively well organized into cases by both collection locality and artifact type, (e.g., one case comprised variations of projectile points from Lake Nokomis; another case comprised variations of fish hooks from Lake Koshkonong). During the initial photography sessions Mr. Bussey and I would discuss where the artifacts were found and other anecdotes about the object or its recovery. He often remembered a story about the day it was collected, another collector who was there with him, or what he and other collectors thought the object may have been used for. Later, some of these designations were rechecked or clarified and confirmed in separate discussions. These conversations were the primary method used for assigning provenience for each artifact. The initial inventory resulted in the distribution of copper artifacts from each of the study localities given in Table 5.2 above.

For the inventory, copper artifact type was determined based on comparing artifact morphology, as represented in the digital photographs described above, with Wittry's type drawings. In Wittry's (1950, 1951) typology projectile points come in 16 different sub-types based on prominent morphological features, several of which have sub-sub types based on more subtle morphological features. Designation of any copper object into the highest level of this taxonomy was relatively straight forward. If the object could be closely matched to one of the 16 line drawings from Wittry's typology it was cataloged as a projectile point. In Wittry's typology, projectile points have only a few features in common with one another. They are pointed at the distal end, they are relatively symmetrical laterally, there is some form of hafting feature at the proximal end, and they are not straight rods, but contain both haft and "blade or bit" components.

Other artifact types have their own criteria for inclusion in the highest level of this taxonomy. Knives (Type II) were designated on the presence of an asymmetrical blade and evidence of a hafting element, usually a tang. Wittry (1950:19) also illustrates the cross-section of the blade as a thin wedge shape from the dorsal to the ventral edge, though this was not accurate for all morpho-functional knives in the Bussey Collection. Crescents (Type III) are relatively symmetrical over a medial line drawn between the two ends of the broad curved portion of the object. They have a crescent or partial circle shape in plan view for the broader "blade" component and some have tangs of various arrangements.

The primary characteristics of Wittry's "perforators" (Type IV) include a relatively long, thin, and solid (no sockets) body shape with pointed or rounded ends. This type includes at least seven different sub-types of perforators and therefore has a very wide range of morphologies. For example, many awls have two pointed ends that could have been used to create a hole in a target material. Punches on the other hand should have one end that is battered or pounded, and

one relatively more pointed end, though this end is also likely rounded from being forced through hard materials using percussion (Wittry 1950:18, 22). The exceptional range of variation in perforator morphologies in the study assemblage for this project and consistent need to develop new sub-sub-types was the impetus that led to the invention and adoption of a new classification schema, used for the analysis portion of this research. Excavators (Type V) are called spuds in Wittry's typology and can be identified as relatively large-bodied tools with a single, broad sharpened distal end and wide socketed proximal end for hafting. Woodworking tools (Type VI) are massively built with a single sharpened bit and no socket. Fish hooks (Type VII) are identified by their slender build, depicted in the drawings with a full 180° bend orienting the pointed distal end back toward the proximal end (Wittry 1950:24). Wittry's types, "Spatulas" (Type VIII) and "Bracelets" (Type IX) did not occur in the study locality portion of Bussey's collection. The study locations did produce several beads (Type X), which are thinned strips of copper that are rolled over on themselves and sometimes ground on the ends to make them rounded.

Once the initial inventory was complete, analysis-sample target numbers for each tool type could be developed. A 75% sample of each artifact type was used as the minimum number for analysis except in the case of the perforators. Given the extremely large number of these a 25% sample was deemed statistically sufficient. The resultant sample target numbers are presented below in Table 5.3 and Table 5.4. The artifacts chosen as part of the sample included the broadest possible morphological range for each tool type available in Mr. Bussey's collection.

Table 5.3. Lake Koshkonong sample size by tool type.

| <b>Type</b>       | <b>Lake Koshkonong Inventory (n)</b> | <b>Sample Size</b> | <b>Sample Target (n)</b> |
|-------------------|--------------------------------------|--------------------|--------------------------|
| Projectile Point  | 168                                  | 75%                | 126                      |
| Knives            | 41                                   | 75%                | 31                       |
| Crescents         | 1                                    | 75%                | 1                        |
| Perforators       | 1,232                                | 25%                | 308                      |
| Excavators        | 3                                    | 75%                | 2                        |
| Woodworking Tools | 0                                    | N/A                | -                        |
| Fish Hooks        | 154                                  | 75%                | 116                      |
| Spatulas          | 1                                    | 75%                | 1                        |
| Bracelets         | 0                                    | N/A                | -                        |
| Beads             | 0                                    | N/A                | -                        |
| <b>Totals</b>     | <b>1,600</b>                         |                    | <b>584</b>               |

Table 5.4. Lake Nokomis sample size by tool type.

| <b>Type</b>       | <b>Lake Nokomis Inventory (n)</b> | <b>Sample Size</b> | <b>Sample Target (n)</b> |
|-------------------|-----------------------------------|--------------------|--------------------------|
| Projectile Point  | 210                               | 75%                | 158                      |
| Knives            | 46                                | 75%                | 35                       |
| Crescents         | 8                                 | 75%                | 6                        |
| Perforators       | 218                               | 25%                | 55                       |
| Excavators        | 4                                 | 75%                | 3                        |
| Woodworking Tools | 1                                 | N/A                | 1                        |
| Fish Hooks        | 10                                | 75%                | 8                        |
| Spatulas          | 1                                 | 75%                | 1                        |
| Bracelets         | 0                                 | N/A                | -                        |
| Beads             | 10                                | N/A                | -                        |
| <b>Totals</b>     | <b>508</b>                        |                    | <b>272</b>               |

### *5.2.2 Sample Selection and Artifact Documentation*

While the total artifact target sample was only 856, a total of 1,000 artifacts were individually analyzed. The extra artifacts were recorded for several reasons. First, during the initial inventory some of the original type designations were wrong, which was only discovered through closer examination. The data for these artifacts was retained to provide for a better sample of the artifact population. Second, in most instances, getting to the target number of artifacts in a type occurred during the middle of a case, when this happened the rest of the case was analyzed, again to provide for a more robust sample of the total artifact population.

Generally, during this part of the analysis one to five cases of copper artifacts were borrowed from Mr. Bussey's home and transported to University of Wisconsin's Archaeological Research Laboratory for analysis. Digital images and both paper and digital records of analysis results and of each artifact were collected during the process. The paper recording form is included as Appendix B. Completed cases were then transported back to Mr. Bussey's home and traded for the next unanalyzed case of artifacts. Of the 1,000 copper artifacts in the analysis sample 683 were from Mr. Bussey's Lake Koshkonong assemblage, while 317 were from his Lake Nokomis assemblage. The sample sizes reflect an attempt to collect a stratified sample of the data available and are representative of the overall prevalence of artifacts from these two locations in his personal collection, but not necessarily representative of the total number of copper artifacts at each locality in the archaeological record. These samples are thought to be representative of the artifact types and relative quantities available in the archaeological record of each locality since Mr. Bussey visited each locality multiple times and did not show any proclivity for selectively recovering any particular type of artifact. The non-selectivity of his collection methods is best exemplified by the sheer quantity of copper debitage from each locality in Mr. Bussey's collection. If any artifact type were going to be ignored it would have been copper debitage, but since he picked up so much debitage it is likely that he was not selectively sampling the copper record. Mr. Bussey spent less time in the Lake Nokomis locality. This resulted in a smaller sample from that locality. A smaller sample from Lake Nokomis would result in less of the total extant variety from that locality being represented in the study collection. The smaller sample from that locality means that we can expect there to be even more variety in terms of types and morphology than are evident in the analyzed sample.

### 5.2.3 *Metric Analysis*

The metric analysis component consisted of taking length, width, thickness and weight measurements for each artifact. Generally, the length of an artifact was the longest possible measurement and aligned with the longest axis of the artifact as the tool was originally designed. Therefore, if a tool's tang was broken off, the length would still be aligned with where the tang would have been even if the width measurement was technically longer. The width was the second longest measurement, taken at the widest point at an approximately right angle to the length. Thickness is the shortest of the three measurements, taken at approximately right angles to the width at the thickest point of the artifact. These three measurements were taken using a Kobalt model number 293883 electronic caliper and measured to the hundredth of a millimeter. The weight was measured using an Ohaus Navigator electronic scale and measured to the hundredth of a gram. There was some temptation to develop type specific measurements to more accurately compare the size and shape of the various types of artifacts shared between the two study localities. However, this was ultimately deemed counterproductive as the level of morphological variation continued to increase and the initial placement of artifacts into types became more and more suspect.

### 5.2.4 *Morphological Analysis*

A significant number of artifacts in the projectile point, knife, crescent, and perforator categories were impossible to fit within the sub-types of the Wittry typology. This difficulty is primarily due to the nature of top-down typology, which involves the naming of a type, then development of a list (and/or an illustration) of all the traits required to fit into that category. Given the malleable nature of copper and human ingenuity there will always be artifacts that fall outside the defined trait lists for any given type. The natural reaction to this challenge is to try

and define each type more strictly, often creating sub-types and sub-sub types with slightly differing trait lists. This approach is precisely what Wittry used with projectile points (e.g. Type I, Sub Type A, Sub-Sub Type 1 or 2 (Wittry 1951:12)). Eventually this method becomes unwieldy, and the researcher is working more on typology than on what is being organized using the typology. Steingbring's (1975) dissertation is an example of this problem. He does an admirable job of detailing the salient characteristics of a few of Wittry's types, adding several sub-sub-types to the already long list of projectile points, and a great deal of detailed morphological, geographical and temporal definition to a few of the existing types. However, this work is rarely referenced, likely due to its unwieldy nature. For example, Steinbring's description and definition of the Type I-A1 sub-sub type projectile point is three pages long. When compared to Wittry's single line drawing and three lines of text, this amount of detail seems more confusing than helpful (though if it is studied in detail the researcher will find this type of information extremely useful).

At first, this ever-more-detailed approach was used for this dissertation as well. However, it was constantly necessary to invent and define new sub-sub types of artifacts. For example, Wittry's typology loosely defines only eight different sub-sub types of perforators including morphologies such as bi-pointed with round (IV-A2) or square (Type IV-A1) cross sections as two different sub-sub type designations. While analyzing the perforators in Mr. Bussey's collection, at least 26 different sub-sub types needed to be defined based on morphological traits alone to remain consistent with Wittry's perforator definitions. It is likely, given a larger sample, or a sample from other locations, that there would be even more types. It is obvious that this sort of unwieldy theoretically top-heavy approach is not an effective or pragmatic way to discern anything anthropologically useful about the Archaic hunter-gatherers of the Western Great

Lakes. It names, and then obscures behind the name, any information that tool morphology might elucidate about their culture, economy and life way.

For this reason, a bottom-up approach to morpho-functional analysis was developed for this dissertation. This method has its theoretical roots in Binford's assertion that stylistic variation was not merely cultural or aesthetic, but also revealed systematic changes in the function of those tools (Binford 1962; Binford and Binford 1969). In this school of thought, stylistic differences reveal much more than simple undirected stylistic drift over time. Instead, these changes can potentially reveal how people strategically adjusted their interactions with their physical and even social environments over time. Ultimately morphological changes are likely clues to recognizing large scale societal processes such as changes in economy and social networks.

Both precise and accurate morphological descriptions are critical to arriving at these types of broad conclusions. Ultimately this process depends on large scale comparison within and between assemblages, which means that individual artifact morphology must be made explicit and consistent. This requirement was accomplished through development of a detailed schema of analysis. The schema used for this research was developed with reference to one created for lithic analysis (Jeske 1987, 1989; Lurie 1982) in the 1980s which has been used and refined extensively over the intervening decades. The goal of this schema is to provide information on copper tool manufacturing processes, style, and economy (Stern 2018). It was developed to meet these requirements: (1) applicability to primarily utilitarian copper tools within the Old Copper Complex regions, (2) clear and relevant tool characteristic description, (3) replicability, (4) efficiency.



The schema consists of 37 variables whose values were recorded for every artifact in the analysis. A copy of the schema is included in Appendix C. The first two variables recorded are the catalog number assigned during the initial inventory and the provenience.

Next the degree of patination is recorded. Patination is a critical factor in how much data can be collected from a particular artifact and it can also provides information about the historical depositional environment. Extreme patination removes portions of the surface and may even remove whole portions of an artifact. This variable is meant to characterize patina development across the entirety of the artifact. Options for degree of patination include light, medium, heavy and very heavy. Light patination is when an artifact's surface retains the reddish gold copper color and metallic luster. These are quite uncommon, though some isolated microenvironments can preserve copper artifacts in this state for thousands of years. An artifact has a medium patina when the surface is completely covered in the green and blue verdigris minerals typical of oxidized copper while retaining evidence of surface treatments such as striations, smoothing and pounding marks, meaning the original surface is still intact below the oxidation minerals. Heavy patina is when a significantly thick patina has developed across the majority of the artifact and detailed morphologies on the surface are mostly obscured, leaving no copper color or luster left to see on the surface and, in some cases, sedimentary particles cemented to the surface. For reference, the thickness of heavy patinas range between .8 mm and 2 mm. The very heavy designation is reserved for those artifacts where patina has developed deeply enough through the artifact that part of it is missing and often the entirety of the surface is no longer present.

The next two variables record the completeness of the artifact. The first variable, Completeness of Artifact, records whether the artifact is whole or partial. The second variable,

Portion Present, records which components of the artifact are extant. Artifacts are arranged according to standardized anatomical terminology, which are defined on the first page of the schema. Options include distal, medial, and proximal and combinations of those three, along with one unknown end section option, as some artifacts cannot be objectively defined directionally.

The next eleven variables attempt to explicitly describe the morphology of the functional component(s) of the tool. In this schema, tools are defined as objects designed to transfer energy from a user to an objective material. Components of the tools can then be defined in these terms. If an object was not designed to transfer energy from a user to a material, then it is not a tool, and these anatomical definitions would not apply, and other descriptors would need to be generated. For example, beads do not have a distal or proximal end. Generally, the distal end of a tool is the end that transfers energy from the midsection of the tool to the objective material and will have some edge or surface that was used (and will often show evidence of use) or that would be used to make that theoretical energy transfer.

The first variable of this section records the number of functional units on a tool. Tools may be designed for one or more tasks and may therefore have one or more functional units. This variable is recorded as a number. Edges, points and surfaces may be considered functional units for this variable, so long as they can be shown to be the component through which energy was transferred from the tool to the objective material.

The next variable, Longitudinal Symmetry, records whether the object is symmetrical in plan view. The variable records an initial impression of the shape of the artifact and helps to differentiate between projectile points and knives or awls and fishhooks. After this Basic Tool Form is recorded. Options for this variable include bladed, pointed, blade and point, blunt, and

other. This variable was important to include because of the variability in projectile point morphology. Some copper projectile points are bladed, with sharp cutting edges along both lateral margins, while others are simply heavy points, relying solely on weight and the pointed end for penetration, without the ability to slice at all. Other tools may have both a bladed functional unit and a pointed functional unit, as is the case with some harpoon projectile points.

The next variable records the distal end morphology in plan view of a tool. Options for this include pointed, rounded, flat, and indented. The next variable records the shape of the functional element's cross-section. Ten different geometric alignments are defined for this variable. The next variable records the general or overall shape of the functional element in plan view, which is different from the distal end plan view, in that it seeks to include the functional portion of the medial section of the artifact, whereas the distal end morphology variable is strictly descriptive of the most distal portion of the artifact. There are 25 options for this variable listed in the schema in Appendix C. These include but are not limited to, rod; J, S, and arched curvate rods; triangular and sub-triangular; lanceolate; semicircular; and rectangular. The next variable records the degree of curve of an artifact. This variable was recorded only at the most basic level with options including less than 90 degrees, greater than 90 degrees and not applicable. A record of degree of curve was helpful in delimiting the differences between fish hooks and other curved rods. The next variable records the number of functional edges only and ignores any points or surfaces that may have been functional. The variable after that records any edge modifications such as beveling or serration. The next two variables record information about projections. These apply primarily to harpoon points and hafting projections found on perforators.

After this there are five variables that record the presence and characteristics of the hafting element of the copper tool. The first variable records whether the object has a hafting element as either present, absent, or indeterminate. The second variable records the overall shape of the hafting element, including shapes such as hook, loop, rectangle, rod, socket, sub-triangular, tabular, tang, and potential others that could be defined. The next variable was used to describe the shape of the proximal end. Like the shape of the distal end this variable was limited to shapes such as pointed, rounded and flat. The shape of the cross section of the hafting element is the next variable recorded. The next variable records the presence or absence of a rivet hole in the hafting area.

The next variable records the relative level of refinement of the tool. This variable is determined by comparing the number of formal attributes an artifact has with others of its type. An artifact is more refined if it has many formally designed attributes and is crude if it has few formally designed attributes when compared to others of its type.

The next seven variables record any evidence of use damage found on an artifact and where that evidence was observed. Unlike with lithic and bone tool use-wear analysis, where the analyst is looking for traces of polish and/or striations left on the surface of a tool after use, copper tool surfaces are generally not available for microscopic analysis due to aggressive patination. Thus, traditional microscopic documentation and analysis of the surface of most copper tools is impossible. However, use of a tool can also leave macroscopic traces in the form of damage such as bending or gouging, (see Appendix C for a list of observed macroscopic traces of use-damage). Use-damage traces come in many different forms, generally they were identified as small morphological anomalies along an edge or on the body of an artifact. These anomalies usually come in the form of some interruption of the expected or regularly observed

morphology of an artifact. One example is the bend and straighten evidence of use wear. Bend and straighten evidences showed up as an anomalously red band on the surface of an artifact, usually extending across the entire body of the artifact. The red strip “interrupted” the “normal” patination of the surface and indicated an instance of damage to the object.

When damage was identified, digital photomicrographs were taken using a Celestron Handheld Digital Microscope. The images produced are between 20x and 100x magnification, but do not have as high a resolution as the scanner images. Artifacts with use-damage were placed under the microscope and could be manipulated directly to highlight the use-damage traces under consideration. Photos could be snapped at any time during the process and video could be recorded as well. Often the best image of an instance of use-damage was captured from a frame-by-frame examination of a short video of the artifact. This process could have been improved by a higher resolution microscope, though the model used was sufficient for the task.

The first two variables in the use damage section are for recording damage found on the distal end of an artifact, the next two variables are for use damage found on the medial portion of the artifact and the last variable is for use damage found on the proximal end of the artifact. Since different types of use damage suggest different uses of tools, 15 different types of use-damage were recorded during the analysis and defined in the schema. The next two variables record the presence of repair on an artifact and the type of repair evidenced. Types of repairs include resharpening, re-straightening, and reshaping.

After this, basic metric measurements are recorded including length, width, thickness and weight. Unfortunately, these distance measurements are not as straightforward as might be expected due to the dramatically different morphologies present in the various tool types. However, whenever possible an attempt was made to maintain strict adherence to the following

recording methods. Length is the longest straight-line distance on the artifact, along one of the design axes of the tool, usually from distal to proximal ends. Specifying this location prevents recording of randomly oriented measurements at an angle from the point to one side or other of a haft for example. Width then is the longest measured distance at a right angle to length.

Thickness is taken at the widest spot perpendicular to both length and width.

Perhaps the clearest example of the difficulties inherent in this type of analysis can be illustrated using measurement of the crescent tool type (Figure 5.3). For example, the length of a copper crescent could be one of several measures. The length could be the length of the blade component (Figure 5.3, specimen A) which, if crescents were used as processing tools, would be the primary or working edge of the tool and would be directly comparable to a knife blade's length. Alternately another way to think of length is, the often-longer distance from the top or outside of the hafting tangs to the ventral edge or cutting element (Figure 5.3, specimen B) of the blade component. The second option is more consistent with my definition of the length of an artifact as a whole, which makes the artifact comparable to other types of artifacts in terms of length. The second option is how crescents were measured for this project. However, the first measurement would be more consistent with the measurement of the length of knives and spear points (oriented along or parallel to the axis of the functional edge) and would also be an important descriptive statistic to capture in a project focusing more discretely on specific copper tool types. This orientation issue then becomes even more problematic when attempting to compare different types of crescents, specifically those with and without hafting tangs. If the orientation of length remains consistent across types, then the length of a tang-less crescent would be the relatively short distance across the blade rather than the much longer length of the blade. Or, if we used the original definition of the length of the blade component as the length,

then this would often be the shorter measurement on crescents with tangs. Either way even the relatively simple definition of length can be inconsistent across types or even sub-types.

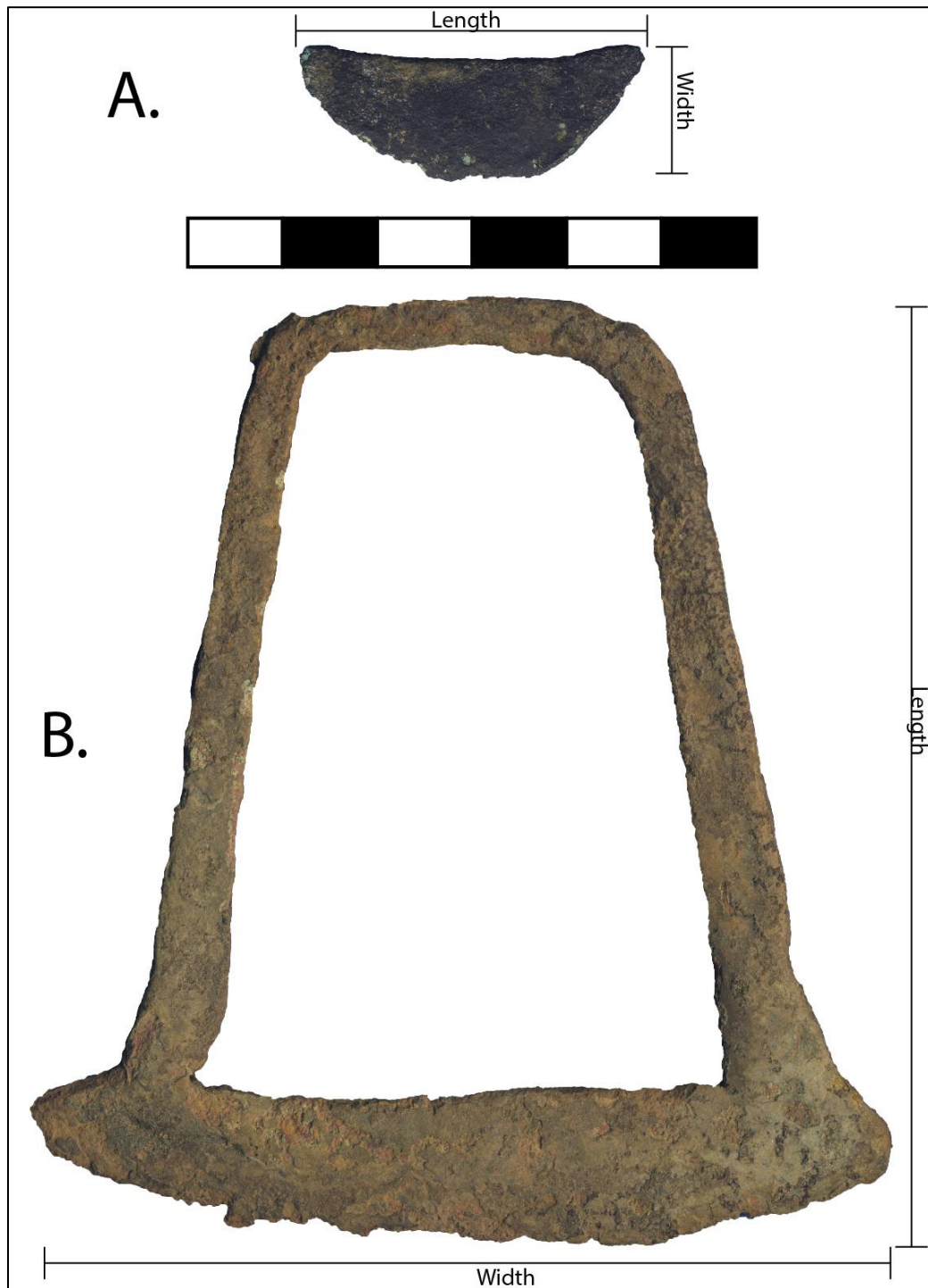


Figure 5.3. Comparison of crescents from the two study localities. Crescent A - Lake Koshkonong, Artifact 30-01. Crescent B - Lake Nokomis, Artifact 28-10.

Another difficulty can be illustrated using the different types of projectile points. Some projectile points have a wide ended socket as a hafting element and then taper essentially straight through the body of the tool to the tip with no intervening shoulder or neck (often called a conical point). Other projectile points have an essentially identical socket, but then widen suddenly at the haft/blade transition (shoulder) into a broad flat blade, often with its widest point nearer the haft than the distal end. At what point should the width be measured for each of these morphologies? If it is consistently measured at the widest point, then the haft will be measured for the first projectile point type and the blade will be measured for the second projectile point type. A comparison between these types would then be skewed because the same element is not being measured for this metric. For this research an attempt was made to consistently measure each artifact at its absolute widest point, with the intention of later comparing only morphologically similar types to one another using a given metric.

Ultimately it would be best if precise measurements were defined for each type and sub-type (and sub-sub-type), as each type's artifacts will have metric variation within that type's unique morphologies that may elucidate culturally constrained behaviors. These measurements will be useful for addressing questions about manufacturing trajectory, raw material procurement, and possible connection to a regional social network. However, the development of the detailed type-specific schema required for that project is well beyond the scope of this dissertation and will have to wait for future research opportunities. This is due to the research design focus on morphological description in the analysis schema and a desire to maximize the comparability of these more general comparative measurements across types and between localities.



The final three variables record some qualitative data about each artifact. The first is the morpho-functional type, inferred from modern analogs, and Wittry's classification scheme. The next variable is Wittry's scheme designation. He used a system of Roman numerals, letters and numbers to designate types, sub-types and sub-sub-types. Many of the artifacts in the study collection do not fit well into defined sub-types, so these designations are recorded at the greatest possible level of detail. The final variable is a space for comments about each artifact.

#### *5.2.5 Photo Documentation*

Images of each artifact were captured using a simple desktop scanner. Either the Canon Canoscan 4400F flatbed scanner or a Canon Canoscan 9000F MarkII flatbed scanner was used for this procedure. The scanner method was adopted over a variable light digital camera technique primarily for its increased speed and consistency. An attempt was made to take at least two photos, from different orientations, of each artifact. Each artifact was placed on the glass, along with a scale. The background for each image was either a blue piece of construction paper (used for consistency) or no background paper. I found that using the blue background produced a more consistently well-lit image, while leaving the lid of the scanner open produced a relatively homogenous black background, which made editing of the images relatively simple. Each artifact was then scanned at either 600 or 1200 dpi resolution depending on which scanner was in use. This method produced high quality, consistent, easily editable, and readily comparable (same scale) digital images over the course of imaging more than 1,000 artifacts.

The one drawback to this method is the consistent production of a shadow along the top side of the object image due to the three-dimensional nature of the object being scanned. Flatbed scanners are made to produce images from flat images. When scanning a three-dimensional object, the imager only picks up the side of the artifact toward the top of the scanner. This side is

not directly lighted and consistently fades into dark black or blue depending on the background being used. This shadow makes it relatively difficult to find and trace the absolute edge of an object. One possible solution to this problem would have been to add a small supplemental light focused on the darkened side of the artifact, though this was not attempted during this research.

#### *5.2.6 Sourcing Analysis*

Significant advances in the field of copper sourcing have been achieved in recent decades. Historically, the earliest copper sourcing was done through macroscopic identification of silver included in the matrix of some copper tools (Squier and Davis 1848; Whittlesey 1863). Silver was known to be a minor inclusion in the copper from the Lake Superior sources prior to 1850. Mid-twentieth century technological advances led to the exploration of the use of various forms of electro-magnetic radiation, including early X-Ray diffraction (Olsen 1962), for identifying the constituent parts of archaeological copper. Olsen (1962) argued that there is significant elemental variation within and between samples of copper even from the same geologic deposit, and that this natural variation would make copper sourcing difficult. Rapp et al. (2000; 1990) began the arduous task of documenting broad chemical variation between specific copper outcrops in the Lake Superior Basin using the instrumental neutron activation analysis (INAA) technique. While this technique is highly sensitive, it is also very slow and requires the targeted materials to be made radioactive, which is not optimal for archaeological materials or researchers. Recently researchers have turned to Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) for copper sourcing (Dussubieux et al. 2008; Hill 2009; Lattanzi 2007).

LA-ICP-MS was first used for archaeological analysis in the 1980s (Speakman and Neff 2005). This technique is a point, as opposed to a bulk (i.e. XRF, XRD, INAA), compositional

analysis technique. It is minimally destructive and can be used on any solid material. The technique works by vaporizing a minute fraction of the target material via a laser. This laser can be adjusted in terms of power, frequency, width, duration, pattern and speed of movement across the artifact. Ablation lasers can be set between 50 and 200 microns wide, and ablation usually does not go deeper than 30 microns into the surface of the artifact (Speakman and Neff 2005). The hole and ejecta area around the hole together are often just barely visible to the naked eye.

The material removed from the hole, the artifact matrix, is vaporized and the resultant gas is moved through a hose into a plasma chamber via a flow of inert gasses. Here the gas is converted to plasma and the resultant ions are moved into the mass spectrometer. The particles are then accelerated and separated by mass through an adjusted magnetic charge. Finally, these ions are detected as their differential atomic masses cause them to enter the detection apparatus at different times. The detector collects ion counts for a very restricted segment of the atomic mass spectrum at any given time. The entire spectrum of elements is analyzed in less than a second, as the magnetic field within the accelerator changes in sequence with the detector's fluctuating mass range limits. Thus, quite a few iterations through the entire range of possible atomic masses can be collected within a relatively short period. This method produces counts for individual elements in the parts per million to parts per trillion range for the ablated portion of the artifact (Speakman and Neff 2005). Counts of elements are transformed from the raw machine output, collected as voltage readings, then converted to compositional data by comparison with standards of known quantities (Table 5.5). These standards are ablated in the same way as the archaeological materials and then used to calibrate the output derived directly from the mass spectrometer. The use of these standards permitted the collection of data on 19 elements. Of these data on only 10 elements were used for the statistical analysis. Elements used

for the analysis included Chromium, Iron, Cobalt, Nickle, Zinc, Arsenic, Silver, Tin, Antimony, and Lead. These elements were used because they have been the ten most common elements used in copper compositional studies (Lattanzi 2013:157) that our analysis has data for.

Table 5.5. Standards used to calibrate output from the LA-ICP-MS.

| <b>Standard</b> | <b>Origin</b> | <b>Elements Included</b>                          |
|-----------------|---------------|---|
| B10             | France        | Al, P, Fe, Ni, Cu, Zn, As, Sn, Sb, Pb             |
| B12             | France        | Al, P, Mn, Fe, Ni, Cu, Zn, As, Sn Sb, Pb          |
| 51.13-4         | England       | Al, P, Mn, Fe, Ni, Cu, Zn, As, Sn, Sb             |
| 71.32-4         | England       | Al, P, Cr, Mn, Fe, Ni, Cu, Zn, As, Ag, Sn, Sb, Pb |
| SRM 500         | USA           | Cu, Zn, Ag, Sn                                    |
| C1123           | USA           | Al, P, Cr, Fe, Co, Ni, Cu, Zn, Sn, Pb             |
| SRM1275         | USA           | Mn, Fe, Co, Ni, Cu, Zn, Sn, Pb                    |

The data for this dissertation was collected in collaboration with the Field Museum's Elemental Analysis Facility, with the support of Dr. Laure Dussubieux. The Field Museum facility uses an Analytik Jena Inductively Coupled Plasma Mass Spectrometer in concert with an ESI-Elemental Scientific Lasers NW213 laser. Generally, one to seven artifacts (depending on size) are placed into a vacuum sealed chamber, along with a series of standards of known composition. The analyst uses a digital video camera mounted on the laser to program sample sites on each standard and each artifact in the chamber.

Sampling is complicated by the presence of patina on the exterior of each artifact. The patina does not accurately reflect the composition of the artifact's copper. Rather, its composition is the result of thousands of years of molecular-level interactions between the artifact and its depositional microenvironment. Consequently, the composition of the patina may partially reflect the composition of its depositional environment but cannot tell us much about the original source of the copper. Most archaeological copper has a significantly thick layer of patina built up on every surface. Since this dissertation is not concerned with the composition of

the local environment, but rather the source of the copper artifacts, the patina had to be removed before a compositional sample was collected.

For this research, patina was removed in several ways. For the initial copper debitage study, the patina was carefully abraded away by hand using a 100-grit sanding block. During the later data collection on artifacts, patina was laser excavated until solid copper was reached. This modification in procedures made it possible to measure patina thickness, which averaged .134 mm and ranged between 0.08 mm and .248 mm. Laser excavation of the patina was an extremely time intensive process and significantly hampered efficient data collection as each ablation site had to be custom excavated. It also likely produced more chemical noise in the results as copper-based minerals were sprayed all over the ablation chamber during the process. For the second part of the artifact data collection a new method was employed. Mr. Bussey gave permission to physically remove patina from the artifacts being sampled, so the patina was removed from an inconspicuous location using a small Dremel grinder wheel and progressively finer grit stone and metal grinding wheels. This method produced very clean, patina free sampling locations and increased both the efficiency and quality of data collection.

The number of samples taken from each artifact was another area that changed over the course of the study. The initial copper debitage study usually used a sample size of five ablations per artifact. The initial portion of the artifact analysis had sample sizes between four and eight samples, depending whether the sample was direct, or filter collected. The final set of artifacts all had the standard five ablation sites per artifact. Ablation sites on an artifact are generally located within 1mm of one another and were each ablated for a total of 90 seconds. The laser has a very specific effective focal length, and once the copper is removed from near that distance the

material delivered to the mass spectrometer steadily decreases. This factor results in a continually declining reading for most elements over the course of a single ablation.

This process produces a single spreadsheet of voltage readings for each ablation on each artifact. These spreadsheets are combined into a larger artifact spreadsheet file that is further combined with the other artifact spreadsheet sets from each ablation batch through a series of Excel spreadsheet manipulations. Since the standards with known quantities for known elements are ablated with the artifacts in each batch, they can be used to convert the voltage readings to quantitative compositional information and custom calibrated to each batch.

Artifacts analyzed by direct laser ablation are limited by the size of the chamber. For the initial debitage analysis and the earlier artifact data collection session the largest dimension was ten centimeters, and that dimension was oriented vertically, which created some difficult sampling conditions. Artifacts that were larger than the ablation chamber could not be analyzed in the chamber.

Recently the Elemental Analysis Facility developed a portable laser ablation protocol that allowed sampling of artifacts larger than the ablation chamber. This process works by conducting the ablation using a laser mounted into a stand on a lab table. Artifacts of any size can be positioned under the laser to be ablated. The resultant ablated material is drawn through a hose to a filter that catches the artifact matrix. These filters are then laser ablated directly in the original ablation chamber in place of the artifact, with the only difference being a raster or mobile ablation rather than a static point ablation. These filter samples can be ablated for the same amount of time as the direct ablation samples and produced very comparable results in a recent pilot study conducted at the Field Museum.

While this process is effective at producing useful and comparable compositional data, it does take significantly longer for each artifact due to necessary washing, drying, and assembly of various portable laser parts to reduce cross artifact contamination. Between each artifact ablation the system must be partially disassembled, the plastic and rubber components used to direct the ablated material from the laser to the filters must be washed, then allowed to dry, then reassembled for the next artifact. Sampling a single artifact takes approximately half an hour. Analysis of that sample then takes approximately as much time as sampling directly from a smaller artifact would take in the ablation chamber. Consequently, whenever possible, artifacts were ablated directly in the chamber.

The later round of artifact data collection was conducted in a new ablation chamber acquired by the Elemental Analysis Lab at the Field Museum. This chamber was much larger in the horizontal dimension, which allowed for far more efficient data collection. The chamber could regularly hold between 5 and 10 artifacts as well as the seven standard samples in a single batch.

A total of 52 formal tools, 30 pieces of debitage, 6 pieces of formal manufacturing debris, and 10 raw materials samples were analyzed from Mr. Bussey's collection. These samples included 15 pieces of debitage, three pieces of formal manufacturing debris, and five raw material samples from each of the study localities. There were 24 tools sampled from the Lake Koshkonong assemblage and 28 tools sampled from the Lake Nokomis assemblage. The artifact type distribution is presented in Table 5.6 and

Table 5.7.

Table 5.6. Artifact types from Lake Koshkonong sampled for compositional analysis.

| Lake Koshkonong samples     | Number    | Percent of study sample |
|-----------------------------|-----------|-------------------------|
| Projectile Point            | 3         | 6%                      |
| Knives                      | 1         | 2%                      |
| Perforators                 | 17        | 36%                     |
| Fish Hooks                  | 3         | 6%                      |
| Debitage                    | 15        | 32%                     |
| Formal Manufacturing Debris | 3         | 6%                      |
| Raw Materials               | 5         | 11%                     |
| <b>Totals</b>               | <b>47</b> | <b>100%</b>             |

Table 5.7. Artifact types from Lake Nokomis sampled for compositional analysis.

| Lake Nokomis samples        | Number    | Percent of study sample |
|-----------------------------|-----------|-------------------------|
| Projectile Point            | 9         | 18%                     |
| Perforators                 | 10        | 20%                     |
| Fish Hooks                  | 1         | 2%                      |
| Bead                        | 2         | 4%                      |
| Other                       | 5         | 10%                     |
| Debitage                    | 15        | 30%                     |
| Formal Manufacturing Debris | 3         | 6%                      |
| Raw Materials               | 5         | 10%                     |
| <b>Totals</b>               | <b>50</b> | <b>100%</b>             |

Through several attempts to identify a compositional pattern between the two localities, several different types of statistical analysis were applied to the data. First several types of descriptive analyses sought to identify which elements and relationships between elements might help to differentiate the two localities chemically. These methods included comparison of the geometrical means for each element, t-test and Wilcox tests of the first pivot coordinate for each element at each site, testing for bivariate correlations of pivot coordinates for each element pair at each locality, and comparing bivariate plots of element pairs from each locality. A test for outliers indicated that a significant portion (11%, n=9) of the samples should be considered compositional outliers. Analysis of these outliers indicates that no element was consistently causing artifacts to be outliers, and that they were randomly distributed among the various types



of samples examined above. Following this a robust PCA was applied to the data so that the outliers could be down weighted, and the more normally distributed data used to build compositional profiles. Then the first two components of the PCA were used to conduct a linear discriminant analysis. The outcomes of these analyses will be discussed in more detail in the following two chapters.

Determining the chemical composition of a particular copper artifact is a complicated process. Several challenges need to be addressed here as caveats to these results. There are three fundamental issues that will need to be addressed by future research. The first involves which standards should be used during analysis. Some significant work has been done on this topic (Dussubieux et al. 2008 Dussubieux et al. 2019). Standards are the way that the mass spectrometry readings are translated from voltages to parts per million, and they determine which elements can and cannot be analyzed. Each standard has a known composition of a limited set of elements and with that knowledge, the mass spectrometer readings obtained for the various elements in the standard can be reliably calibrated. One problem that occurred early in this study happened because a standard containing Tellurium was not used consistently during analysis. Instead of including this standard as a part of the regular rotation it was skipped for all of the samples from one locality. This caused the results to be skewed to look like there was no Tellurium in samples from that locality. The presence or absence of Tellurium would have been a fantastic way to differentiate the artifacts by locality, but further investigation into the data revealed the missing standard. As it turned out Tellurium is not often used for copper sourcing and was not chosen as one of our final elements, so the mistake caused negligible damage to the analysis. But the mistake and resulting misinterpretation of the data was initially caused by confusion about which standards needed to be used to examine copper artifacts.

A related challenge is the natural heterogeneity of copper itself (including in the copper-based metal standard samples). LA-ICP-MS is a point sampling technique, which is beneficial for reducing the total amount of damage needed to characterize an artifact but introduces possible site-specific sampling bias. As a metal, copper's composition is not stabilized by a consistent mineralogical matrix requiring a certain number of atoms of one element and a consistent number of atoms of another. Instead, in a problem particular to Great Lakes Copper, the material is almost always greater than 99% copper. The non-copper elements make up a very tiny proportion of the matrix and may not be evenly mixed within a particular object or artifact. Some description and definition of the amount of chemical variation within individual copper specimens needs to be developed to illustrate just how much variation is normal and what amount of variation would be an outlier. It would be more helpful to have larger proportions of the target matrix made of some other element, as is the case with copper from other global sources (e.g., Ben Yosef et al. 2016). Since the differentiation between artifacts is based on such tiny proportions of their composition, it is easy for the variation to overlap and for minor changes in composition to make a large difference statistically.

A third challenge is to delineate what if any chemical effects there are on a copper object due to time spent in different depositional environments. Patina develops on the outside of copper objects as the copper matrix interacts chemically with its immediate environment. New copper-based minerals form on the surface of the object, incorporating the elements from the environment that are available, which is by definition a change in the chemical composition of the copper object. It would be valuable to determine to what extent this post-depositional chemical interaction impacts the chemical composition of the artifact as a whole.

## CHAPTER 6

### Results of Copper Analyses

This chapter will describe the results of the morphological, metric, use-damage, and compositional analyses conducted on the copper artifacts in the Bussey Collection from Lake Koshkonong and Lake Nokomis. The analysis schema described in the previous chapter has 37 variables. Comparisons of the composite results for each locality for each of these variables will first be presented in succession in this chapter. When sample size is appropriate, these comparisons will be facilitated by use of the Chi-squared statistical test to identify potentially real differences in the distribution of categories within a given variable. For those variables with sample sizes that are too large, the chi-squared test still provides useful information about which groups are larger or smaller than expected, even though the p-value cannot be used to ascribe statistical significance. For these tests with larger sample sizes or for variables that have numerous possible categories a discussion of the diversity and equity of each locality's assemblage will be presented using the Shannon and Simpson diversity indices. Shannon's diversity index uses both richness (the number of different types in a given sample) and the evenness (a measure of how evenly the instances are spread between the types) to calculate a diversity index number. For this statistic, a higher value means a more diverse sample. This statistic is very sensitive to outlier groups with small numbers of incidences. There is no arbitrary line at which the Shannon Diversity Index becomes significant. Significant differences in diversity scores must be determined by the context and will be discussed in the following sections where applicable. The Simpson Diversity Index is a normalized statistic and is less sensitive to the small groups of outliers that disproportionately affect the Shannon Index. This

statistic will operate as a second way to look at sample diversity and will help to clarify cases where the Shannon Diversity may be overly affected by a small group of outliers. Simpson's Diversity Index is most often expressed as  $1 - D$  so that the higher the result, the more diverse the sample. This number expresses the probability that any two randomly selected instances from a population would not be from the same group. The reciprocal or  $1/D$  value is another way to express this same level of diversity. In this case, the lowest value would be 1 and the highest value would be the total number of groups in the sample.

The general morphological comparison will be followed by an artifact type-specific comparison between the two localities using both morphological and metric analyses. Metric comparisons will be facilitated by the use of the t-tests. Next, the results of the use-damage inventory will be presented, illustrating the frequency of use-damage evidence found on copper tools from each locality. After this, the results of the chemical compositional analysis will be explained. Interpretations of these results will primarily be reserved for the following chapter.

## **6.1 Data Sources**

Data for these analyses came from copper artifacts from the two study localities described in Chapter Three. A total of 1,000 copper artifacts were examined using the copper analysis schema described in Chapter Five. The number of artifacts examined for each type of analysis is illustrated in Table 6.1 below. These samples reflect a stratified sample of Mr. Bussey's collection. The numerical composition of his collection is much more a reflection of the proximity of his residence to each of the localities and the amount of time spent collecting at each locality, than it is the absolute amount of copper deposited in the archaeological record at either place. Each sample is considered a good random sample of the copper artifacts from each

locality for the purposes of this dissertation. The Lake Koshkonong sample is probably a larger sample of the total population of copper artifacts from that locality, while the Lake Nokomis sample is probably a smaller sample of the total population of copper artifacts from that locality. Formal tools examined as part of the compositional analysis were also part of the larger morphometric analysis, however, raw material and manufacturing debris analyzed during the compositional analysis were not part of that analysis.

Table 6.1. Distribution of copper artifacts for each type of analysis in this dissertation.

| <b>Locality</b> | <b>Morphological Analysis</b> |         | <b>Metric Analysis</b> |         | <b>Use-Damage Analysis</b> |         | <b>Compositional Analysis</b> |         |
|-----------------|-------------------------------|---------|------------------------|---------|----------------------------|---------|-------------------------------|---------|
| Koshkonong      | 683                           | (68.3%) | 683                    | (68.3%) | 683                        | (68.3%) | 47                            | (47.9%) |
| Nokomis         | 317                           | (31.7%) | 317                    | (31.7%) | 317                        | (31.7%) | 51                            | (52.1%) |
| <b>Totals</b>   | <b>1000</b>                   |         | <b>1000</b>            |         | <b>1000</b>                |         | <b>98</b>                     |         |

## 6.2 *Morphological Analysis Results*

### 6.2.1 *Inventory and Locality*

The first variable in the new copper analysis schema is an inventory number assigned digitally to each artifact. Each number is unique and keys the artifact to a digital photo of its case so that it can be referenced in perpetuity. The second variable is the locality designation. The results for this variable are outlined in Table 6.2. Several of the artifacts from each locality appeared to be manufacturing debris or preforms, rather than completed tools. The totals for each of these categories are reported in Table 6.2 also. For many of the following variables, only the results from the formal tool subset of the assemblage are meaningful and therefore reported.

Table 6.2. Frequency of artifact types in the Bussey collection by study locality.

| <b>Locality</b> | <b>Total Artifacts</b> | <b>Total Formal Tools</b> | <b>Preforms</b> | <b>Manufacturing Debris</b> |
|-----------------|------------------------|---------------------------|-----------------|-----------------------------|
| Koshkonong      | 683                    | 660                       | 4               | 19                          |
| Nokomis         | 317                    | 296                       | 4               | 17                          |
| <b>Totals</b>   | <b>1000</b>            | <b>956</b>                | <b>8</b>        | <b>36</b>                   |

### 6.2.2 Degree of Patination, Completeness, and Portion Present

The third variable is Degree of Patination. This variable has four possible outcomes including light, medium, heavy and very heavy. Patina is a result of interaction between artifact copper and its immediate microenvironment. Microenvironmental variables that affect patina growth include soil acidity and general chemical composition as well as soil texture classification, saturation level, availability of oxygen, rate of water replacement, and the presence of other artifacts in contact with the copper surface. Cultural variables that affect patina development are artifact morphology (Nord et al. 2005:314) and finishing strategy.

Patina levels at the two localities were tabulated (Table 6.3) and a chi-squared test applied to test whether locality is related to degree of patination. The test combined the light and medium categories due to the low expected values in the light category. With the combined categories, the relation between locality and degree of patina is significant, though this is primarily due to the large sample size. Application of the Simpson and Shannon diversity indices to this data (Table 6.4) indicates that the samples from both localities have low diversity in terms of patina development, and that the difference between them is not very great. Examination of the distribution also shows that there is not a large real-world difference in the proportions (Figure 6.1).

Table 6.3. Frequency and proportion of Degree of Patination by locality.

| <b>Patination</b>                        | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |                |
|--|------------------------|-------------|---------------------|-------------|---------------|----------------|
| Light                                    | 3                      | 0.44%       | 1                   | 0.32%       | 4             | 0.40%          |
| Medium                                   | 133                    | 19.47%      | 24                  | 7.57%       | 157           | 15.70%         |
| Heavy                                    | 513                    | 75.11%      | 266                 | 83.91%      | 779           | 77.90%         |
| Very Heavy                               | 34                     | 4.98%       | 26                  | 8.20%       | 60            | 6.00%          |
| <b>Totals</b>                            | <b>683</b>             | <b>100%</b> | <b>317</b>          | <b>100%</b> | <b>1000</b>   | <b>100.00%</b> |
| $X^2 (2, N = 1000) = 25.352, p < 0.0001$ |                        |             |                     |             |               |                |

Table 6.4. Diversity indices for degree of patination data.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.686                  | 0.553               |
| Evenness                         | 0.624                  | 0.503               |
| Simpson's Diversity Index (1-D)  | 0.39                   | 0.28                |
| Simpson's Reciprocal Index (1/D) | 1.65                   | 1.4                 |

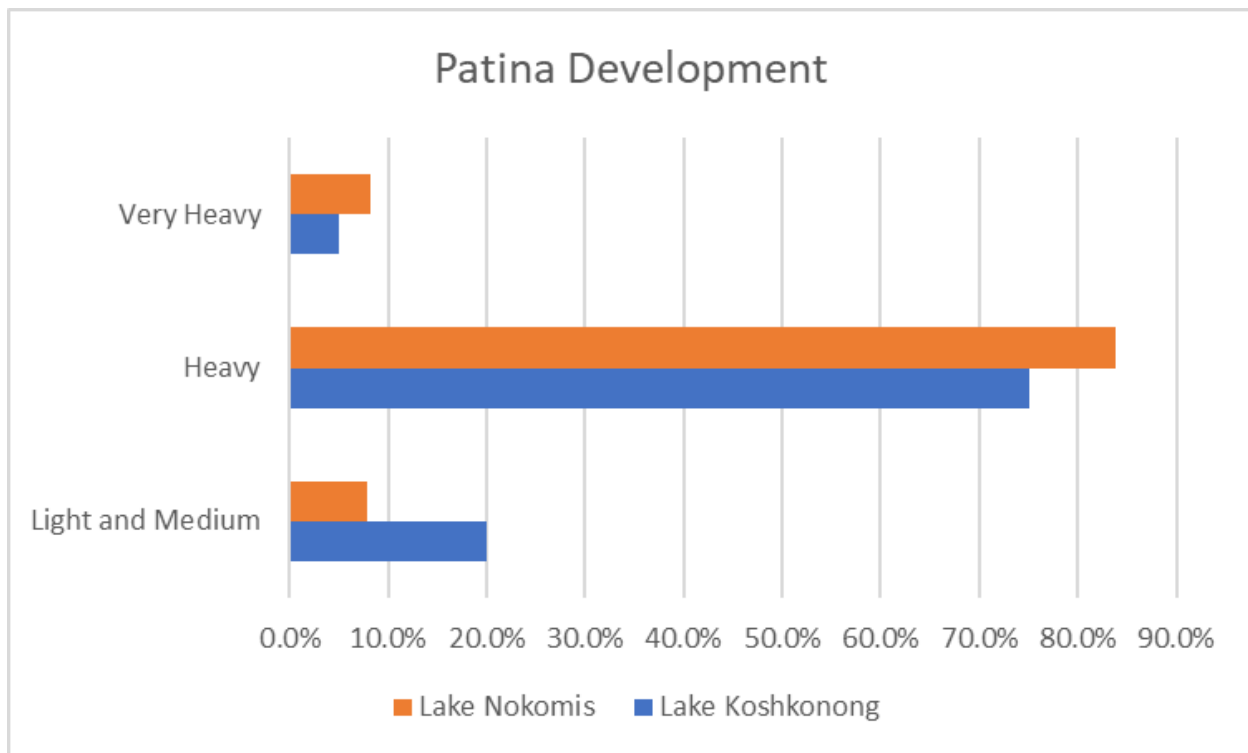


Figure 6.1. Patina Development as a proportion of the locality assemblage.

The chi-squared test results indicate that there were fewer artifacts with light and medium patina at Lake Nokomis than would be expected, while there were more of these at Lake Koshkonong than would be expected (Table 6.5). However, the two localities are relatively similar in terms of heavy patina. More than 75% of Lake Koshkonong artifacts have heavy patina, while 83% of Lake Nokomis artifacts have heavy patina. It may be that artifact patina is most heavily influenced by time, since the assemblages are essentially contemporary (See table 3.1), but that locality specific factors also play a small role. One of these factors are manufacturing behaviors such as the thickness of an object, which would dictate how easily it

could be corroded through, or whether to finish an artifact by pounding or annealing.

Subjectivity of the observer could be another factor in these modest differences in patination between the two localities.

Table 6.5. Expected Frequency and Proportion of Degree of Patination by locality.

| <b>Expected Patina</b> | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|------------------------|------------------------|---------------------|
| Light and Medium       | 110.0                  | 16%                 |
| Heavy                  | 532.1                  | 78%                 |
| Very Heavy             | 41.0                   | 6%                  |
| <b>Totals</b>          | <b>683.0</b>           | <b>100%</b>         |

Completeness and portion present were recorded for every artifact in the assemblage.

However, completeness is most meaningful for this study when comparing formal tools. At Lake Koshkonong, 74.39% of the formal tools were considered whole, while at Lake Nokomis 91.55% of the formal tools were considered whole (Table 6.6). A chi-squared test for independence found that this difference in whole artifacts between the localities was statistically significant, though the large sample size is likely affecting that result. The diversity indices for this data show that the Lake Koshkonong sample was more evenly split between whole and partial artifacts (Table 6.7). The difference in significance here suggests a real difference in completeness between the two localities.

Table 6.6. Contingency table of partial and complete formal tools in the study assemblage.

| <b>Completeness</b>                    | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             |
|--|------------------------|-------------|---------------------|-------------|
| Partial                                | 168                    | 25%         | 25                  | 8%          |
| Whole                                  | 491                    | 74%         | 271                 | 92%         |
| Totals                                 | <b>659</b>             | <b>100%</b> | <b>296</b>          | <b>100%</b> |
| $X^2 (1, N= 955) = 36.81, p = <0.0001$ |                        |             |                     |             |

Table 6.7. Diversity indices for the Completeness variable.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.568                  | 0.290               |
| Evenness                         | 0.819                  | 0.418               |
| Simpson's Diversity Index (1-D)  | 0.38                   | 0.16                |
| Simpson's Reciprocal Index (1/D) | 1.68                   | 1.18                |



It follows from the above data that the “All Present” group would dominate both assemblages, although Lake Nokomis artifacts are more likely to be found unbroken. This result runs counter to the patina result which indicated that Lake Nokomis artifacts were more heavily patinated than those from Lake Koshkonong. The counts of which portions of these artifacts were present during the analysis are presented for the formal artifacts from both study localities in Table 6.8. Due to low expected counts in the distal, proximal, and indeterminate categories, these groups were combined into a single category. Which portion of the artifact is present appears to be less statistically significant than whether the artifact is whole or partial. The chi-squared test for this variable is also skewed by its large sample size. The diversity indices for this variable mirror the results for the completeness variable and support the idea that the two assemblages are different in terms of the Portion Present variable (Table 6.9).

Table 6.8. Frequency and Proportion of which portion of the formal artifacts were present in the study assemblage.

| <b>Portion Present</b>                 | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--|------------------------|-------------|---------------------|-------------|---------------|-------------|
| All                                    | 495                    | 75%         | 271                 | 92%         | 766           | 80%         |
| Distal and Medial                      | 45                     | 7%          | 11                  | 4%          | 56            | 6%          |
| Distal                                 | 4                      | 1%          | 1                   | 0%          | 5             | 1%          |
| Medial                                 | 61                     | 9%          | 5                   | 2%          | 66            | 7%          |
| Proximal and Medial                    | 46                     | 7%          | 8                   | 3%          | 54            | 6%          |
| Proximal                               | 2                      | 0%          | 0                   | 0%          | 2             | 0%          |
| Indeterminate                          | 7                      | 1%          | 0                   | 0%          | 7             | 1%          |
| <b>Totals</b>                          | <b>660</b>             | <b>100%</b> | <b>296</b>          | <b>100%</b> | <b>956</b>    | <b>100%</b> |
| $X^2 (1, N= 956) = 37.54, p = <0.0001$ |                        |             |                     |             |               |             |

Table 6.9. Diversity indices for the Portion Present variable.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon’s Diversity Index        | 0.901                  | 0.389               |
| Evenness                         | 0.463                  | 0.242               |
| Simpson’s Diversity Index (1-D)  | 0.42                   | 0.16                |
| Simpson’s Reciprocal Index (1/D) | 1.72                   | 1.19                |

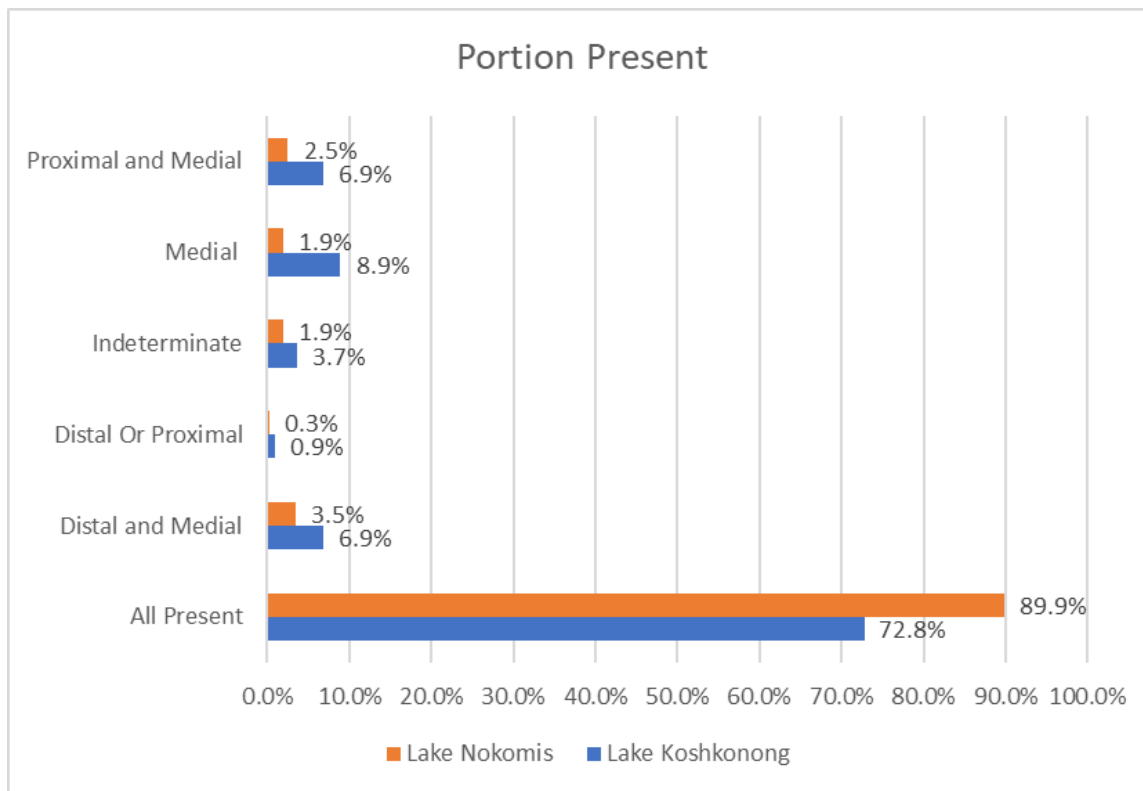


Figure 6.2. Distribution of Portion Present variable as a proportion of each locality's assemblage.

### 6.2.3 Basic Type

The Basic Type category is a foundational characteristic when attempting to establish a typology for copper tools. This characteristic is foundational because these types can be clearly linked to both use and manufacturing behaviors. In the Bussey Collection the two primary tool types were pointed or bladed. Tools coded as pointed (with no blade) suggests a tool that was primarily used to puncture and likely took a comparatively short time to manufacture (Peterson 2003). Tools coded as bladed likely took at least twice as many hammer-and-anneal cycles to produce (Peterson 2003) and suggest a tool used to cut. Some artifacts were bladed but also came to a point at the distal end. These tools were coded in the bladed category because their manufacturing trajectory would be more similar to other non-pointed bladed objects (Peterson 2003) than to simply pointed objects. Also, they could be used to cut, like the other bladed tools and in contrast to the merely pointed tools.

Other Basic Type designations in the Bussey Collection include blunt tools, non-utilitarian items, preforms, manufacturing debris and indeterminate objects. Blunt items were the only other formal tool type in this group and are relatively rare in the study assemblages. There was only one blunt tool in the Lake Koshkonong assemblage and six blunt tools in the Lake Nokomis assemblage (see Figure 6.3 for example). The counts and proportions for this variable are presented below in Table 6.10, though “incompletes” are removed from both assemblages. A chi-squared test for independence was applied to the data for pointed and bladed tools only, though the sample size is too large for the p-value to reliably indicate statistical significance (Table 6.10, Figure 6.4). A test of the diversity of basic tool types at the two localities, using all of the categories, indicates the Lake Nokomis assemblage is more diverse in terms of basic type than the Lake Koshkonong assemblage (Table 6.11). This is largely due to higher evenness in the Lake Nokomis assemblage. For example, the presence of six blunt tools in the smaller Lake Nokomis assemblage is representative of a much more even distribution of tool types than the lone blunt tool in the larger Lake Koshkonong assemblage. The difference in diversity, coupled with the difference in actual types depicted in Figure 6.4 suggests that the differences observed between the two assemblages in terms of Basic Tool Type is a real difference and not due to sampling error.

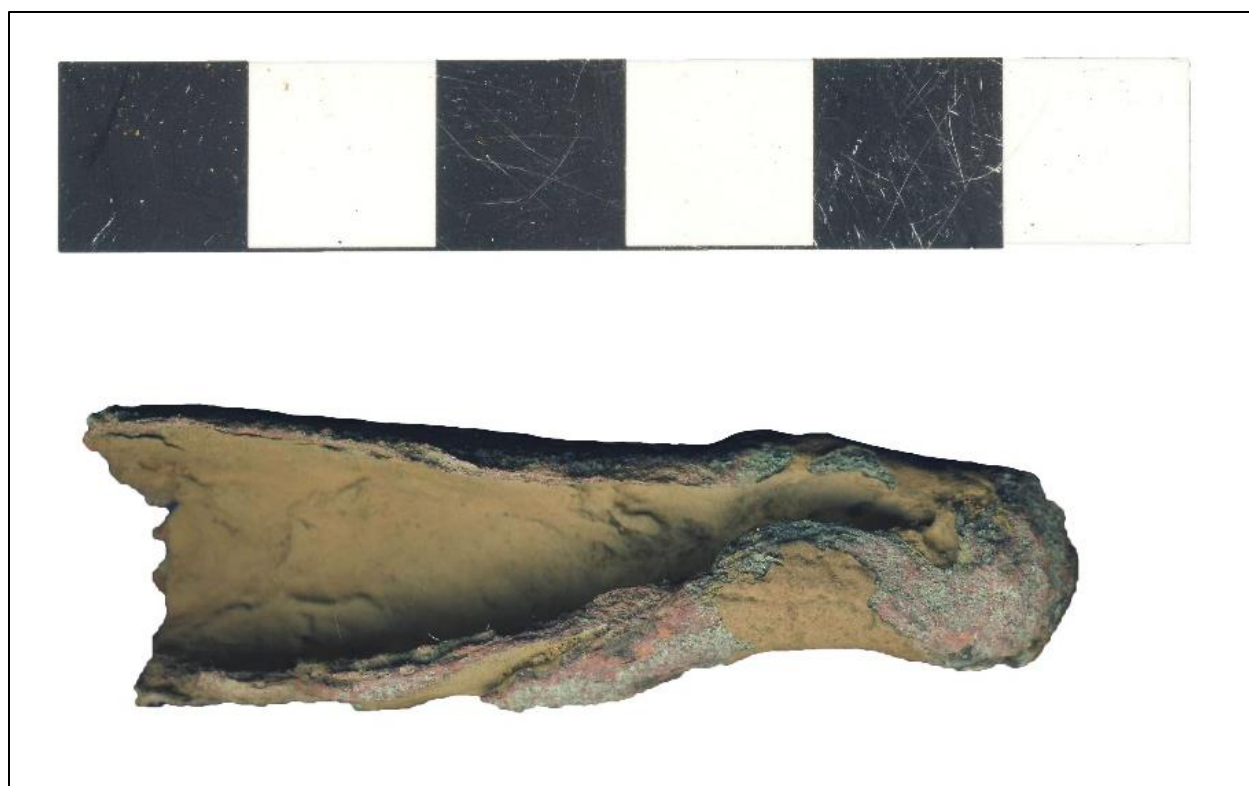


Figure 6.3. Artifact 27-2 from Lake Nokomis, basic type is blunt.

Table 6.10. Frequency and proportion of Basic Types in the study assemblage.

| Basic Type      | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|-----------------|-----------------|-------------|--------------|-------------|------------|-------------|
| Bladed          | 70              | 11%         | 78           | 27%         | 148        | 16%         |
| Pointed         | 576             | 88%         | 201          | 68%         | 777        | 82%         |
| Blunt           | 1               | 0%          | 6            | 2%          | 7          | 1%          |
| Non-Utilitarian | 10              | 2%          | 9            | 3%          | 19         | 2%          |
| <b>Totals</b>   | <b>657</b>      | <b>100%</b> | <b>294</b>   | <b>100%</b> | <b>951</b> | <b>100%</b> |

$X^2$  (df = 1, N = 925) = 42.497,  $p = <0.0001$

Table 6.11. Diversity Indices for Basic Tool Type in the two study assemblages.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 0.573           | 1.000        |
| Evenness                         | 0.356           | 0.622        |
| Simpson's Diversity Index (1-D)  | 0.277           | 0.533        |
| Simpson's Reciprocal Index (1/D) | 1.383           | 2.140        |

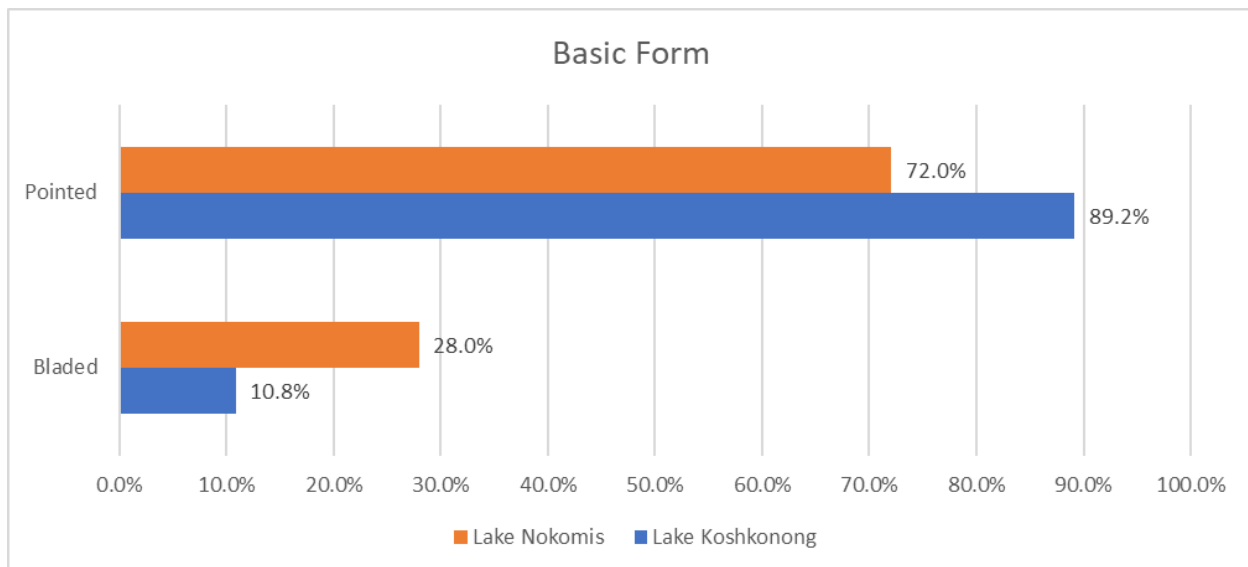


Figure 6.4. Proportional distribution of pointed and bladed tools at the two study localities.

This conclusion suggests that there is a real difference in the ratio of pointed to bladed tools in the copper artifact assemblages from these two localities. Another way to view this difference is through a Pointed tool to Bladed Tool ratio. The Pointed:Bladed tool ratio in the Lake Koshkonong assemblage is 8.2:1, while the Lake Nokomis ratio is 2.6:1. The ratio is more than three times higher in the Lake Koshkonong assemblage, again indicating a strong difference in tool type emphasis in the two copper using communities.

#### 6.2.4 Symmetry

The Symmetry variable records whether the artifact as a whole is symmetrical or asymmetrical in plan view. In many cases, symmetry is the only difference between morpho-functional tool types (Wittry 1951). For example, the primary difference between a tanged and pointed knife and a tanged and pointed projectile point is that the knife is asymmetrical in profile, while the projectile point is symmetrical from the same perspective. While symmetrical blades certainly could be used as knives, asymmetrical blades (aside from intentionally designed exceptions like harpoons) would not work well as projectile points. Furthermore, symmetry represents a morphological differentiation which is indicative of a substantively different

manufacturing trajectory. The overall incidence of symmetry and asymmetry for the study assemblage, excluding preforms, manufacturing debris, and indeterminate artifacts differs significantly between localities (Table 6.12, Figure 6.5), though the sample size is influencing this result. This variable is also heavily linked to the tool type profile at each locality. The diversity indices for the symmetry variable indicate that the Lake Koshkonong is more diverse, again because of higher evenness in distribution (Table 6.13). This difference in diversity suggests that the differences in the incidence of symmetry documented for the two assemblages is significant.

Table 6.12. Contingency table for symmetry in the study assemblage.

| <b>Symmetry</b> | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|-----------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Asymmetrical    | 198                    | 30%         | 50                  | 17%         | 248           | 26%         |
| Symmetrical     | 458                    | 70%         | 244                 | 83%         | 702           | 74%         |
| <b>Totals</b>   | <b>656</b>             | <b>100%</b> | <b>294</b>          | <b>100%</b> | <b>950</b>    | <b>100%</b> |

Yate's  $X^2$  (df=1, N = 950) =17.6, p= <0.0001.

Table 6.13. Diversity indices for the Symmetry variable.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.612                  | 0.456               |
| Evenness                         | 0.884                  | 0.658               |
| Simpson's Diversity Index (1-D)  | 0.420                  | 0.280               |
| Simpson's Reciprocal Index (1/D) | 1.730                  | 1.400               |

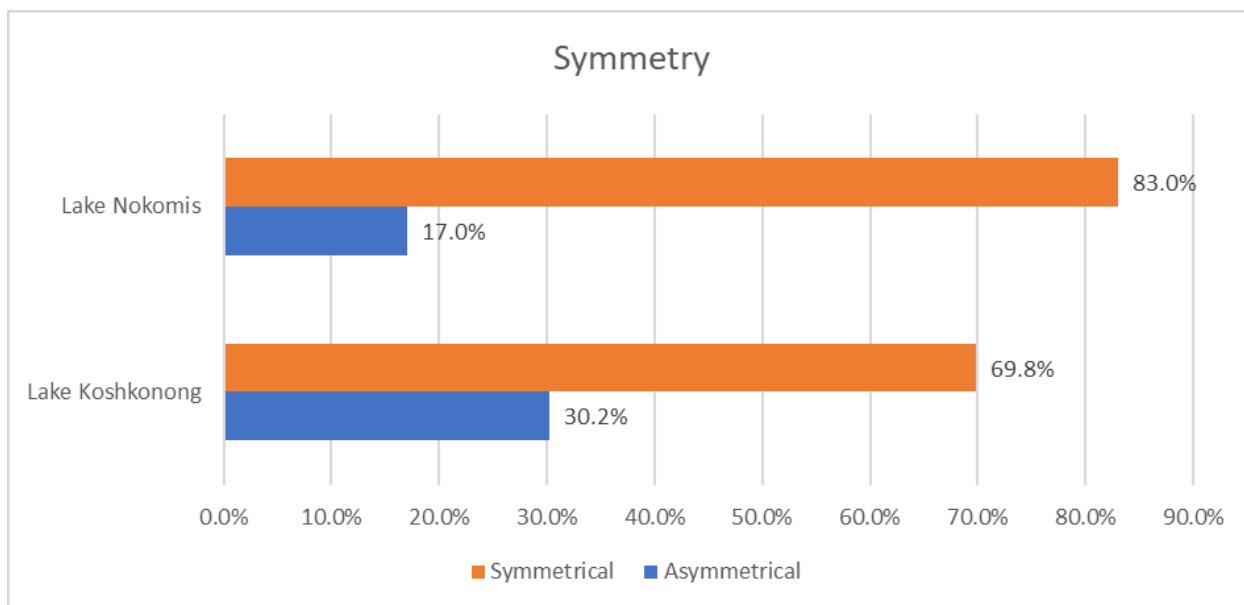


Figure 6.5. Distribution of symmetry as a proportion of the formal tools from each locality.

The next 15 variables in the copper analysis schema record details of a copper artifact's morphology. These variables are defined by direct reference to an object's design and probable method of use in terms of how the object facilitated interaction between its user and the environment (see Appendix C for definitions). For this section, only objects that have or would have had each of these anatomical parts, as defined in the glossary at the front of the schema, will be included in the following analyses (n=937/1000). This excludes items such as beads, which do not have the same types of functional components. All unfinished objects such as preforms and manufacturing debris were also removed from the analysis.

#### 6.2.5 *Distal Morphology*

The first of these variables is distal morphology. Distal morphology is the part of the artifact that is designed to interact directly with the environment. The most common distal morphology was pointed, followed distantly by rounded distal ends (Table 6.14, Figure 6.6). Indeterminate was recorded for those artifacts whose distal end could not be distinguished. Not Applicable was recorded for those artifacts whose distal ends were entirely missing.

Table 6.14. Frequency and Proportion of distal morphologies of copper artifacts at the two localities.

| <b>Distal Morphology</b> | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--------------------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Flat                     | 5                      | 1%          | 4                   | 1%          | 9             | 1%          |
| Pointed                  | 496                    | 86%         | 196                 | 71%         | 692           | 81%         |
| Rounded                  | 75                     | 13%         | 75                  | 27%         | 150           | 18%         |
| <b>Totals</b>            | <b>650</b>             | <b>100%</b> | <b>287</b>          | <b>100%</b> | <b>937</b>    | <b>100%</b> |

$X^2$  (df = 2, N = 581) = 27.01,  $p = <0.0001$

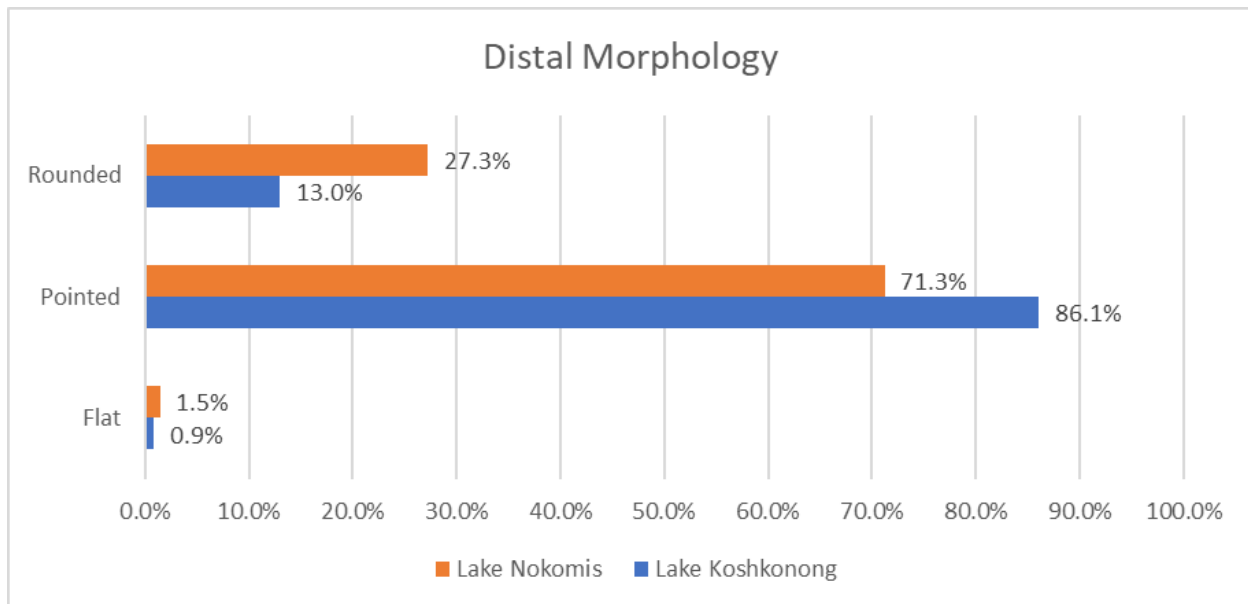


Figure 6.6. Distribution of distal morphologies as a proportion of each locality's assemblage.

A chi-squared test for independence (with the indeterminates and not applicable samples removed) suggests that these morphologies were used in different proportions at the two localities (Table 6.14), though the large sample size negates any statistical significance. A closer inspection of the comparison shows that there are more pointed tools at Lake Koshkonong and fewer pointed tools at Lake Nokomis than would be expected if they were from the same population. The round ended tools have the opposite relationship and are further from their expected values. The 150 tools with rounded distal ends are split exactly evenly between the two localities, but because there were far fewer tools in the Lake Nokomis assemblage it would be expected that there would be fewer round ended tools from there as well. Since the relationship is statistically significant it is likely that round ended tools really were manufactured or procured



more often at Lake Nokomis than at Lake Koshkonong. Diversity indices for the distal morphology found at the two study localities indicates that neither one is very diverse (Table 6.15). However, the Lake Nokomis assemblage is more diverse and more evenly distributed than the Lake Koshkonong assemblage. The diversity difference between the two localities, in terms of Distal Morphology, is just enough to suggest that distal morphologies really are different in the two assemblages.

Table 6.15. Diversity Indices for Distal Morphology.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.435                  | 0.657               |
| Evenness                         | 0.271                  | 0.408               |
| Simpson's Diversity Index (1-D)  | 0.241                  | 0.419               |
| Simpson's Reciprocal Index (1/D) | 1.319                  | 1.721               |

#### 6.2.6 *Functional Element Cross-Section*

The functional element cross-section variable recorded 12 different morphological arrangements of the functional element cross-section in the study collection (Table 6.16). The three most common cross-section shapes are rectangular, round, and square. Three other shapes with statistically significant proportions include the biconvex, triangular and wedge cross-sections.

Table 6.16. Frequency and proportion of functional-element cross-sections in the study collection.

| <b>Functional Element Cross-Section</b>  | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Biconvex                                 | 6                      | 1%          | 29                  | 10%         | 35            | 4%          |
| Concave-convex                           | 2                      | 0%          | 1                   | 0%          | 3             | 0%          |
| Diamond                                  | 8                      | 1%          | 4                   | 1%          | 4             | 0%          |
| Plano-convex                             | 1                      | 0%          | 2                   | 1%          | 3             | 0%          |
| Rectangular                              | 163                    | 25%         | 119                 | 42%         | 282           | 30%         |
| Round                                    | 243                    | 38%         | 46                  | 16%         | 289           | 31%         |
| Sheet                                    | 2                      | 0%          | 6                   | 2%          | 8             | 1%          |
| Square                                   | 179                    | 28%         | 44                  | 15%         | 223           | 24%         |
| Triangular                               | 17                     | 3%          | 7                   | 2%          | 24            | 3%          |
| Wedge                                    | 25                     | 4%          | 28                  | 10%         | 53            | 6%          |
| <b>Totals</b>                            | <b>646</b>             | <b>100%</b> | <b>286</b>          | <b>100%</b> | <b>932</b>    | <b>100%</b> |
| $X^2(6, N = 937) = 130.768, p = <0.0001$ |                        |             |                     |             |               |             |

Only the six cross-section shapes with five or more instances, were included as categories for the chi-squared test. The instances from the other seven variables were combined into a single category labeled “other” which was then also included in the chi-square test. For this analysis, indeterminate, irregular, and not applicable instances were removed, as they do not speak to any patterns in manufacturing or design. The result of the chi-squared test suggests that functional element cross-section morphologies were significantly different at the two localities, though the large sample size is likely the reason for the low p-value. The diversity indices show that functional element cross-sections are similarly diverse at both localities, though the Lake Nokomis assemblage is again a little more diverse and more even (Table 6.17). It is also more even in terms of functional element cross-sections.

Table 6.17. Diversity indices for Functional Element Cross-Section.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon’s Diversity Index        | 1.378                  | 1.638               |
| Evenness                         | 0.708                  | 0.842               |
| Simpson’s Diversity Index (1-D)  | 0.710                  | 0.757               |
| Simpson’s Reciprocal Index (1/D) | 3.444                  | 4.123               |

While the high number of samples artificially inflates the significance of a chi-squared test, several real-world trends are evident. First, there is a difference in the types of cross-

sections found at each locality, despite the similarity in diversity. At Lake Koshkonong, functional element cross-sections are more evenly distributed between the three primary shapes, though round cross-sections were used most often. At Lake Nokomis, rectangular cross-sections are much more heavily favored, while round and square cross-sections are used in about a third of the artifacts from that locality. A comparison between the two localities shows that round and square cross-sections are about twice as common, as a percentage of their assemblage, at Lake Koshkonong than they are at Lake Nokomis. In the Lake Nokomis assemblage, rectangular cross-sections were used much more often than at Lake Koshkonong. These trends are likely connected to differences in artifact or tool type between the two localities and reflect the large number of rod-shaped artifacts at Lake Koshkonong and proportionately larger number of bladed artifacts from Lake Nokomis. The only morphology that was not significantly different at the two study localities is the triangular cross-section. The distribution of this morphology between the two localities was exactly what would be expected if the two assemblages did come from the same population. This morphology is usually found in bladed tools.

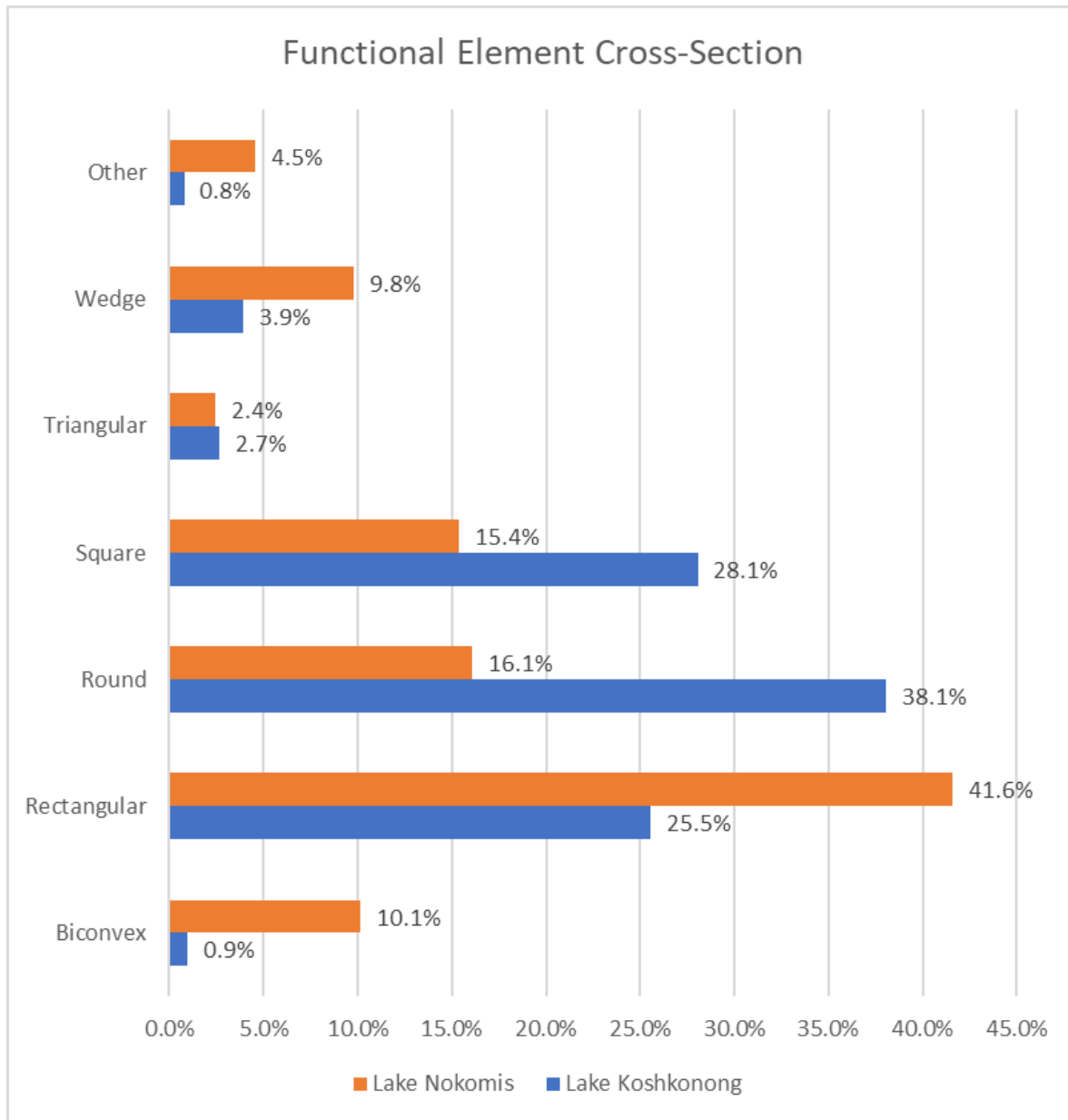


Figure 6.7. Functional Element Cross-section distribution as a proportion of each locality's assemblage.

### 6.2.7 Functional Element Shape

Functional element shape is a complex variable to define. This variable in the copper analysis schema ended up with 25 different categories, and these are probably not all the possibilities. Furthermore, it might be advisable to break this variable into two or more constituent traits, to try and cut down on the number of options. However, the difficulty of clearly defining other categorical options and then implementing multiple stages of re-analysis

proved to be too large an undertaking. Possible trait combinations that could be employed for this kind of analysis include a straight vs. curved variable in combination with a degree of flaring in any of the dimensions along the long axis of the tool, or any number of other options. In lieu of that dubious undertaking this analysis continued to define new shapes as they were observed.

The 25 shape options can be broken down into rod and non-rod shapes, though even this simple distinction has an exception in the sub-triangular category (Table 6.18). The straight rod shape was the largest group (n=342), followed by the sub-triangular category (n=326). Most of the rest of the shapes are represented by thirty or less samples, excluding only the “J” shaped rods (n=42). The blunted crescents are semi-lunar shapes, with rounded rather than pointed ends, and were a larger proportion of the Lake Nokomis assemblage compared to Koshkonong. In general, the Lake Nokomis assemblage had more instances of shapes from the non-rod group. More common shapes in this category include lanceolate and rectangular shapes. The Lake Koshkonong assemblage is dominated by shapes from the rod group. There are eight different shapes within the rod group that are not found in the Lake Nokomis assemblage, though it is possible a larger sample from that location might change that. It is clear even without a statistical check, that functional element shapes are distributed differently and unevenly in the two assemblages (Figure 6.8).

Table 6.18. Frequency and proportion of functional element shapes within the study assemblage.

| Functional Element Shape                        | Lake Koshkonong |      | Lake Nokomis |      | Totals |      |
|---|-----------------|------|--------------|------|--------|------|
| Rods  |                 |      |              |      |        |      |
| Arched Curvate                                  |                 |      |              |      |        |      |
| Rod   | 2               | 0%   | 0            | 0%   | 2      | 0%   |
| Curvate Rod                                     | 29              | 4%   | 0            | 0%   | 29     | 3%   |
| Flared Rod                                      | 1               | 0%   | 2            | 1%   | 3      | 0%   |
| C   | 19              | 3%   | 0            | 0%   | 19     | 2%   |
| G   | 16              | 2%   | 0            | 0%   | 16     | 2%   |
| J   | 39              | 6%   | 3            | 1%   | 42     | 4%   |
| J or K  | 1               | 0%   | 0            | 0%   | 1      | 0%   |
| K   | 18              | 3%   | 0            | 0%   | 18     | 2%   |
| K or G  | 25              | 4%   | 0            | 0%   | 25     | 3%   |
| S   | 3               | 0%   | 0            | 0%   | 3      | 0%   |
| Spiral  | 1               | 0%   | 1            | 0%   | 2      | 0%   |
| Straight Rod                                    | 286             | 44%  | 56           | 20%  | 342    | 36%  |
| Non-Rods  |                 |      |              |      |        |      |
| Blunted Crescent                                | 12              | 2%   | 12           | 4%   | 24     | 3%   |
| Crescent  | 4               | 1%   | 3            | 1%   | 7      | 1%   |
| Lanceolate                                      | 0               | 0%   | 19           | 7%   | 19     | 2%   |
| Oval  | 2               | 0%   | 0            | 0%   | 2      | 0%   |
| Rectangular                                     | 5               | 1%   | 9            | 3%   | 14     | 1%   |
| Semi-Circular                                   | 5               | 1%   | 5            | 2%   | 10     | 1%   |
| Triangular                                      | 8               | 1%   | 6            | 2%   | 14     | 1%   |
| Wedge   | 1               | 0%   | 0            | 0%   | 1      | 0%   |
| Rods and Non-Rods                               |                 |      |              |      |        |      |
| Sub-Triangular                                  | 161             | 25%  | 165          | 57%  | 326    | 35%  |
| Other   |                 |      |              |      |        |      |
| Irregular                                       | 4               | 1%   | 2            | 1%   | 6      | 1%   |
| N/A   | 6               | 1%   | 4            | 1%   | 10     | 1%   |
| Indeterminate                                   | 2               | 0%   | 0            | 0%   | 2      | 0%   |
| Totals  | 650             | 100% | 287          | 100% | 937    | 100% |
| X <sup>2</sup> (3, N=919) = 183.868, p < 0.0001 |                 |      |              |      |        |      |

Table 6.19. Diversity indices for the Functional Element Shape variable, includes all shape groups, but excludes Irregular, N/A, and Indeterminate.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 1.860                  | 1.500               |
| Evenness                         | 0.593                  | 0.585               |
| Simpson's Diversity Index (1-D)  | 0.740                  | 0.630               |
| Simpson's Reciprocal Index (1/D) | 3.79                   | 2.67                |

For clarity, this broad and shallow data set was condensed into four categories for the chi-squared analysis (Figure 6.8). These categories include the two largest shape groups; straight rod,

and sub-triangular. The rest of the shapes were collapsed into the larger Rod (excluding the straight rods) and Non-Rod categories. The irregular, indeterminate, and not applicable instances were removed as they do not reflect information useful to the analysis. The results of the chi-squared test are skewed by the large samples size. The diversity indices (Table 6.19) indicate that, in terms of functional element shape, the Lake Koshkonong assemblage is a little more diverse. This is likely largely attributable to the numerous fish hook shapes in the lake Koshkonong assemblage. While the difference in diversity is not great, particularly the evenness is very similar between the two assemblages, the distribution of particular shapes is different. The differences in distribution, illustrated in Figure 6.8, between the two localities do suggest that different functional element shapes were used at the two study localities. The straight rod and subtriangular shapes make up almost three quarters of the total assemblage at both localities, but they are distributed in opposite proportions. Straight rods make up twice as much of the assemblage at Lake Koshkonong (by percent) when compared to Lake Nokomis. Sub-triangular shaped functional elements are more than twice as common in the Lake Nokomis assemblage when compared to the Lake Koshkonong assemblage. Rods and non-rods are also distributed in opposite proportions at the two localities.

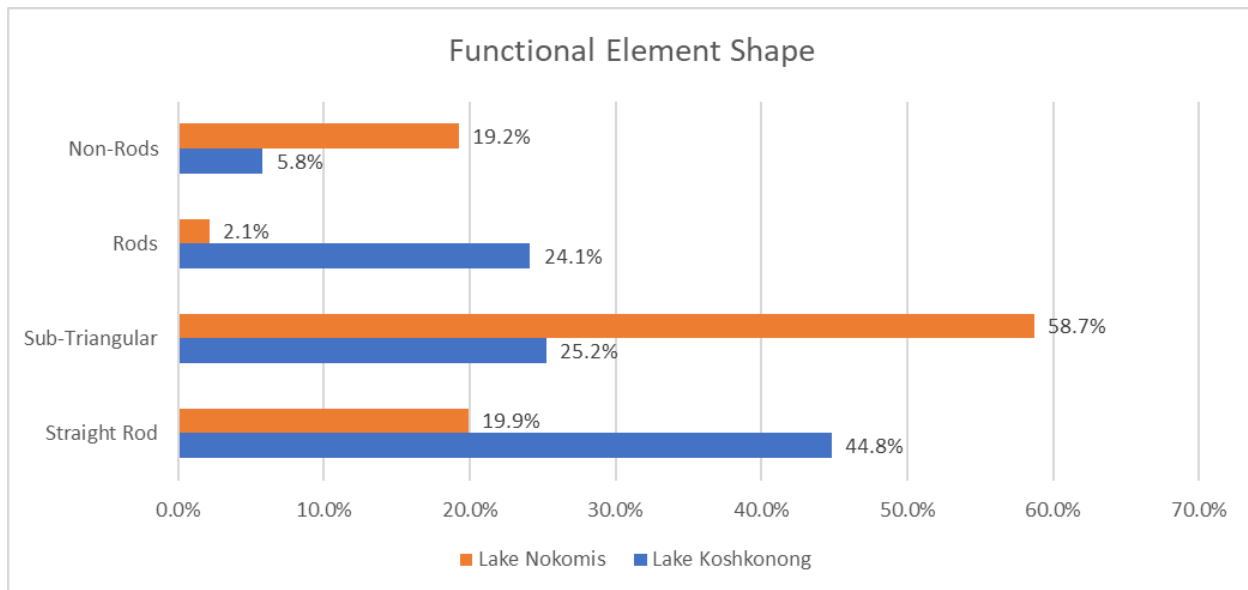


Figure 6.8. Distribution of Functional Element Shapes used for chi-squared analysis.

### 6.2.8 Degree of Curvature

The variable Degree of Curvature records whether or not an artifact curves more than 90 degrees along its longest axis. The vast majority of artifacts ( $N = 752$ , 80.25%) in the study assemblage were straight and were scored “not applicable” for this variable (Figure 6.9). The two assemblages produced a total of 185 curved artifacts, of these, 167 were from Lake Koshkonong while only 18 were from Lake Nokomis. Curved artifacts were not distributed between the two localities proportionately. Instead, the Lake Koshkonong assemblage has about 40 more curved artifacts than would be expected. A chi-square test suggests that the difference in the use of curvature between the two localities is not due to chance or sampling error (Table 6.20). Of the 167 curved artifacts from Lake Koshkonong, 42 were curved less than 90 degrees, while 125 were curved more than 90 degrees. Proportionately, this is 25% of the artifacts with a curve of less than 90 degrees and 75% of the artifacts with a curve greater than 90 degrees. The much smaller Lake Nokomis assemblage presents the opposite composition (Figure 6.10). Thirteen (72%) Lake Nokomis artifacts are curved less than 90°, while only five (28%) are curved more



than 90°. A diversity test of this distribution indicates that the Lake Koshkonong assemblage is significantly more diverse in terms of curvature than the Lake Nokomis assemblage (Table 6.21).

The largest contributor to this result is the large number of fish hooks at Lake Koshkonong.

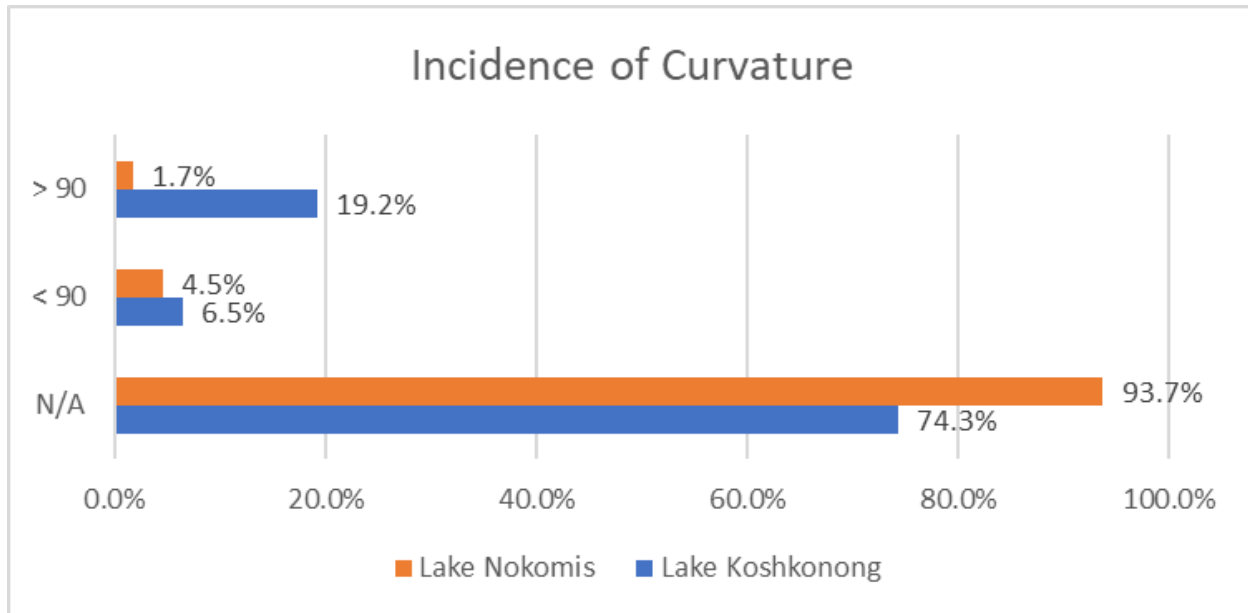


Figure 6.9. Incidence of Curvature in formal tools from each of the study localities.

Table 6.20. Contingency table for degree of curvature at the two study localities.

| Degree of Curvature | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|---------------------|-----------------|-------------|--------------|-------------|------------|-------------|
| < 90                | 42              | 25%         | 13           | 72%         | 55         | 30%         |
| > 90                | 125             | 75%         | 5            | 28%         | 130        | 70%         |
| <b>Totals</b>       | <b>167</b>      | <b>100%</b> | <b>18</b>    | <b>100%</b> | <b>185</b> | <b>100%</b> |

$$X^2 (2, N=185) = 15.055 \text{ } p < 0.0001$$

Table 6.21. Diversity Indices for Degree of Curvature.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 0.715           | 0.271        |
| Evenness                         | 0.444           | 0.169        |
| Simpson's Diversity Index (1-D)  | 0.407           | 0.120        |
| Simpson's Reciprocal Index (1/D) | 1.687           | 1.136        |

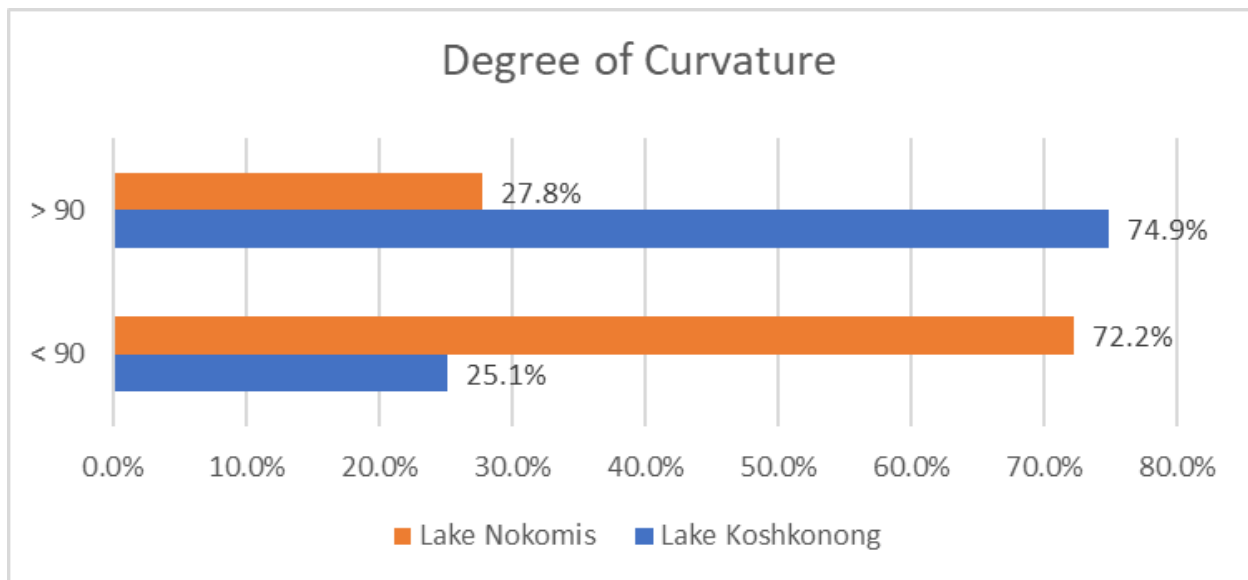


Figure 6.10. Direct comparison of Degree of Curvature by proportion in the two study assemblages.

### 6.2.9 Presence of a Hafting Element

Not all copper artifacts have a formal hafting element. A formal hafting element is defined as the component of an artifact designed to transfer energy from the user into the functional element of a tool. This energy transfer can happen directly, as would be the case with tools that are used by holding them in the hand. The energy can also be transferred from user to tool indirectly through a hafting element which facilitates the mounting of the tool to some other object which is either directly (as with a knife on a short handle) or indirectly (as with a fishing hook on a line) connected to the human user. Of the 937 formal tools in the study assemblages, 73 were either missing their proximal end or were whole indeterminate proximal ends. These were lumped into an “Other” category. Of the remaining 864 tools, only 393 (45.48%) have formalized hafting elements. This means that more than half of the artifacts do not have formal hafting elements. However, this may not mean these tools were not hafted, instead it means that no energy was expended by the manufacturer to create a specialized hafting element. A chi-squared analysis comparing the frequency of hafting elements in the two study assemblages suggests that hafting elements were produced more often than expected at Lake Nokomis, though

the p-value is artificially low due to the large sample size. The diversity indices are not significantly different so they do not help differentiate the two assemblages. However, simply comparing the real world difference shows that hafting elements were proportionally more than twice as common at Lake Nokomis than they were at Lake Koshkonong (Table 6.22 and Figure 6.11). Clearly, different manufacturing templates – or very different functional considerations – were in use by the occupants at the two localities.

Table 6.22. Contingency table for presence/absence of hafting element at the two study localities.

| <b>Presence of<br/>Hafting<br/>Element</b> | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Absent                                     | 383                    | 66%         | 88                  | 31%         | 471           | 55%         |
| Present                                    | 200                    | 34%         | 193                 | 69%         | 393           | 45%         |
| <b>Totals</b>                              | <b>583</b>             | <b>100%</b> | <b>281</b>          | <b>100%</b> | <b>864</b>    | <b>100%</b> |

$X^2 (2, N=937) = 112.052, p < 0.0001$

Table 6.23. Diversity Indices for the Hafting Element variable.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.643                  | 0.622               |
| Evenness                         | 0.928                  | 0.897               |
| Simpson's Diversity Index (1-D)  | 0.450                  | 0.43                |
| Simpson's Reciprocal Index (1/D) | 1.820                  | 1.76                |

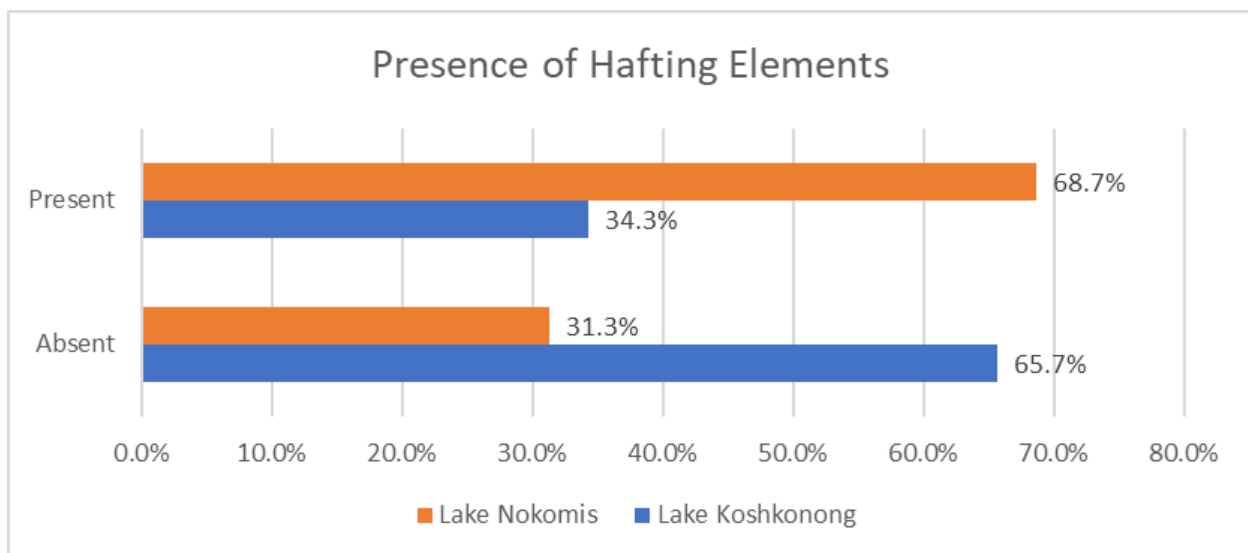


Figure 6.11. Proportional distribution of the presence or absence of a hafting element in the two study assemblages.

### 6.2.10 Proximal End Shape

Regardless of whether a formalized hafting element was manufactured for an artifact, its proximal end will usually have a definable shape. This shape was recorded in the next variable in the schema; Proximal End Shape. The Bussey Collection sample had a total of 17 different proximal shapes. The most common proximal shapes were rod, socket, sub-triangular, tang and tabular. Each of these categories had five or more artifacts from each location (Table 6.24, Figure 6.12). Less common shapes were lumped together in an “Other” category for statistical analysis and are listed below in Table 6.25. A chi-squared test applied to this proximal shape data is significant at the  $p = 0.05$  level though the  $p$ -value is lowered artificially by the large sample size.

Table 6.24. Contingency table for proximal shape of copper artifacts at the two study localities.

| Proximal Shape                         | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|--|-----------------|-------------|--------------|-------------|------------|-------------|
| Rod                                    | 353             | 54%         | 54           | 19%         | 407        | 43%         |
| Socket                                 | 139             | 21%         | 120          | 42%         | 259        | 28%         |
| Sub-Triangular                         | 21              | 3%          | 27           | 9%          | 48         | 5%          |
| Tang                                   | 24              | 4%          | 38           | 13%         | 62         | 7%          |
| Tab                                    | 5               | 1%          | 20           | 7%          | 25         | 3%          |
| N/A                                    | 60              | 9%          | 7            | 2%          | 67         | 7%          |
| Other                                  | 48              | 7%          | 21           | 7%          | 69         | 7%          |
| <b>Totals</b>                          | <b>650</b>      | <b>100%</b> | <b>287</b>   | <b>100%</b> | <b>937</b> | <b>100%</b> |
| $X^2 (6, N=937) = 171.576, p < 0.0001$ |                 |             |              |             |            |             |

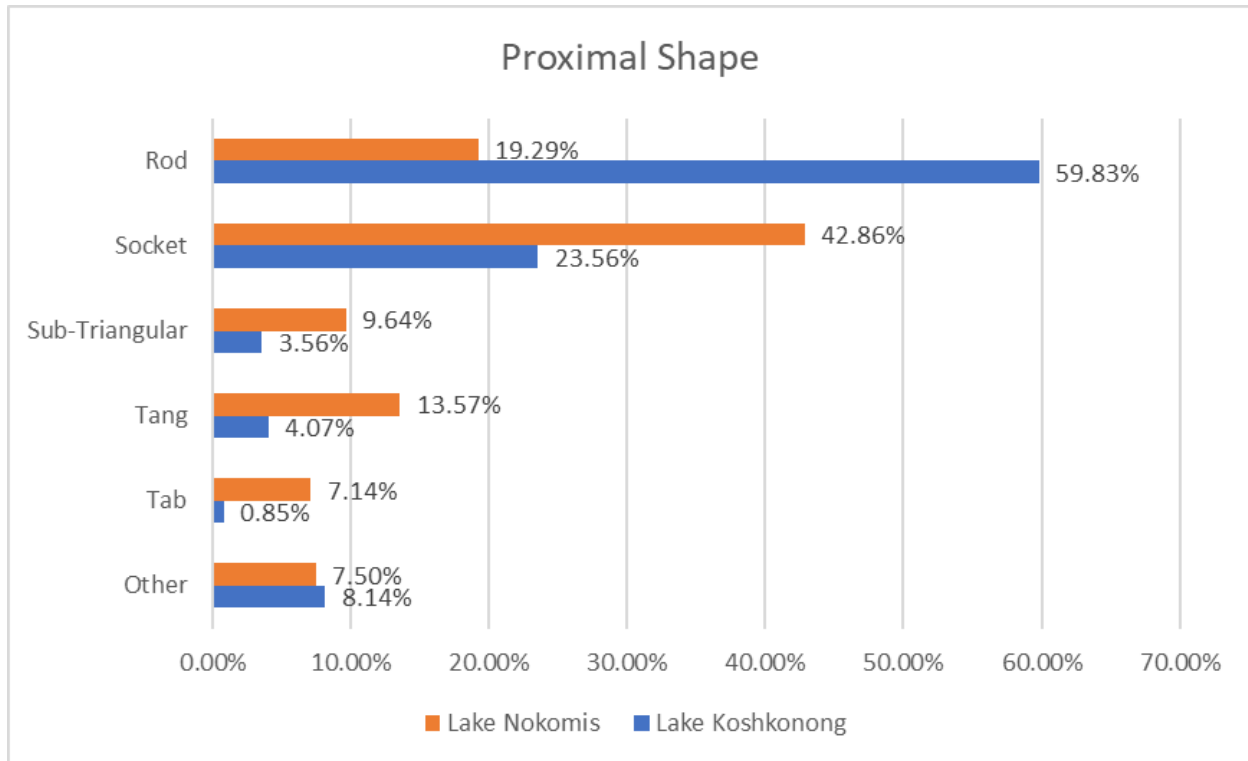


Figure 6.12. Distribution of Proximal Shapes in the two study assemblages.

Table 6.25. List and frequencies of proximal shapes in the “Other” category.

| “Other” Proximal Shapes | Lake Koshkonong | Lake Nokomis |
|-------------------------|-----------------|--------------|
| Bulb                    | 3               | 0            |
| Curvate Rod             | 8               | 0            |
| Double Tang             | 0               | 3            |
| Flared Tang             | 0               | 7            |
| Groove                  | 12              | 0            |
| Hook                    | 6               | 4            |
| Irregular               | 2               | 1            |
| Loop                    | 14              | 0            |
| Rectangular             | 2               | 4            |
| Split Tang              | 0               | 2            |
| Triangular              | 1               | 0            |
| <b>Totals</b>           | <b>48</b>       | <b>21</b>    |

The Shannon Diversity Index of this same data indicates that the two localities have different degrees of diversity (Table 6.26). Lake Koshkonong has a diversity index of 0.946 with an evenness of 0.369, while Lake Nokomis has a diversity index of 1.683, with an evenness of 0.702, which indicates that proximal shapes in the Lake Nokomis assemblage are more diverse than the Lake Koshkonong assemblage. This is primarily due to greater evenness in the Lake

Nokomis assemblage, especially because the Lake Koshkonong assemblage has a higher richness, with 13 different proximal shapes, while the lake Nokomis assemblage had only 11 different shapes. While there are fewer total proximal shapes recorded at Lake Nokomis, there are also only half the samples from there and the shapes are more evenly distributed than at Lake Koshkonong. Simpson's Diversity Index values echo these results indicating that the Lake Nokomis assemblages is more diverse than the Lake Nokomis assemblage.

Table 6.26. Diversity Indices for Proximal Shape of artifacts with a hafting element.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.946                  | 1.683               |
| Evenness                         | 0.369                  | 0.702               |
| Simpson's Diversity Index (1-D)  | 0.583                  | 0.748               |
| Simpson's Reciprocal Index (1/D) | 2.399                  | 3.965               |

Two examples help to illustrate the differences between these assemblages in terms of proximal shape. For artifacts without hafting elements, proximal shape was usually rods (N = 409, 86%) or sub-triangular (N = 48, 10%). When these data are analyzed by study locality, the result is a statistically significant difference in distribution. While the rod shape makes up the majority of both groups, only two thirds of the Lake Nokomis, non-haft artifacts have rods for proximal ends, while nearly all of the same tools from Lake Koshkonong have rod shapes. The biggest discrepancy between these two assemblages is that the Lake Nokomis assemblage has proportionally six times the number of artifacts with sub-triangular proximal ends (Table 6.27).

Table 6.27. Proximal shapes of artifacts with no hafting element in the two study collections.

| <b>Proximal Shapes</b>                        | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Rod   | 353                    | 92%         | 56                  | 64%         | 409           | 86%         |
| Sub-Triangular                                | 21                     | 5%          | 27                  | 31%         | 48            | 10%         |
| All Other                                     | 11                     | 3%          | 5                   | 6%          | 16            | 3%          |
| <b>Totals</b>                                 | <b>385</b>             | <b>100%</b> | <b>88</b>           | <b>100%</b> | <b>473</b>    | <b>100%</b> |
| $X^2$ (df =2, N = 473) = 53.128, $p < 0.0001$ |                        |             |                     |             |               |             |

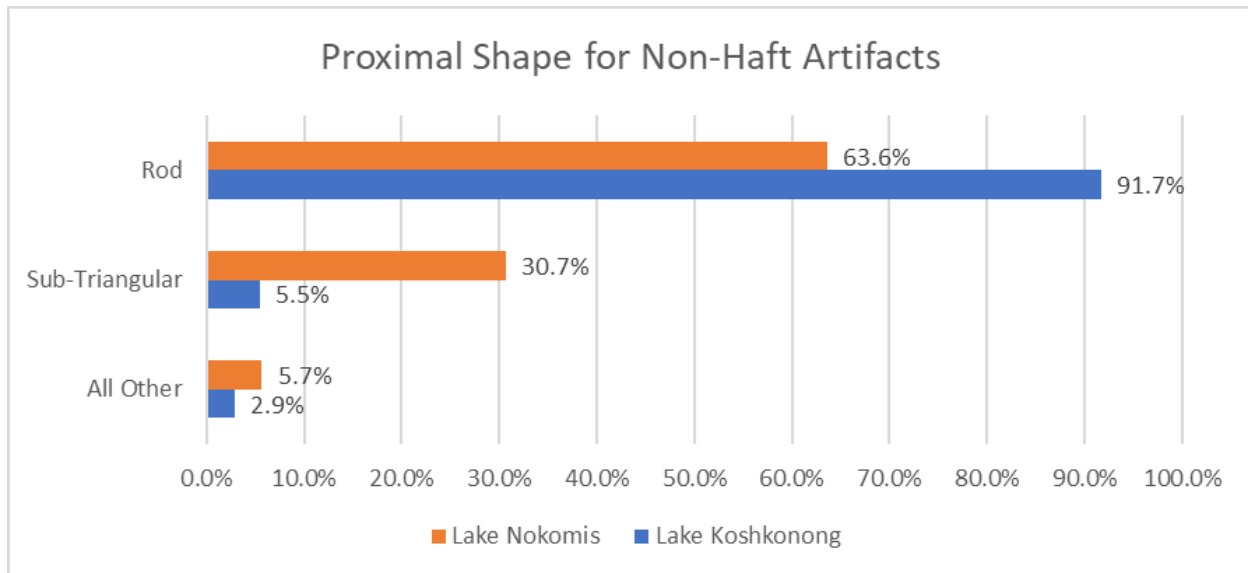


Figure 6.13. Distribution of Proximal Shape among non-haft artifacts from the two study assemblages.

Artifacts with hafting elements have proximal shapes such as sockets ( $N = 259$ ), tangs ( $N = 69$ ), tabs ( $N = 20$ ), loops ( $N = 14$ ), hooks ( $N = 10$ ), grooves ( $N = 12$ ) and bulbs ( $N = 3$ ). When these shapes are analyzed by locality, and the shapes with less than five instances at either locality are lumped together, they do not indicate a statistically significant difference in distribution between the two localities (Table 6.28). However, the content of the “other” category does indicate a difference. Several of the secondary shapes are found at only one locality. This includes bulbs, curvate rods, grooves, loops, and rods, which were only observed in Lake Koshkonong samples with formal hafting elements. Double tangs, flared tangs, rectangular and split tangs, were only found in Lake Nokomis samples. Diversity indices show that the two assemblages are very similar in terms of diversity and evenness with regard to the proximal shape of artifacts with hafting elements (Table 6.29), though again, the diversity is distributed in different groups at each locality.

Table 6.28. Distribution of proximal shapes on artifacts with hafting elements from the two study localities.

| Proximal Shape | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|----------------|-----------------|-------------|--------------|-------------|------------|-------------|
| Socket         | 139             | 69%         | 120          | 61%         | 259        | 65%         |
| Tang           | 24              | 12%         | 39           | 20%         | 63         | 16%         |
| All Others     | 38              | 19%         | 37           | 19%         | 75         | 19%         |
| <b>Totals</b>  | <b>201</b>      | <b>100%</b> | <b>196</b>   | <b>100%</b> | <b>397</b> | <b>100%</b> |

$X^2(2, N=397) = 4.916, p = 0.086$

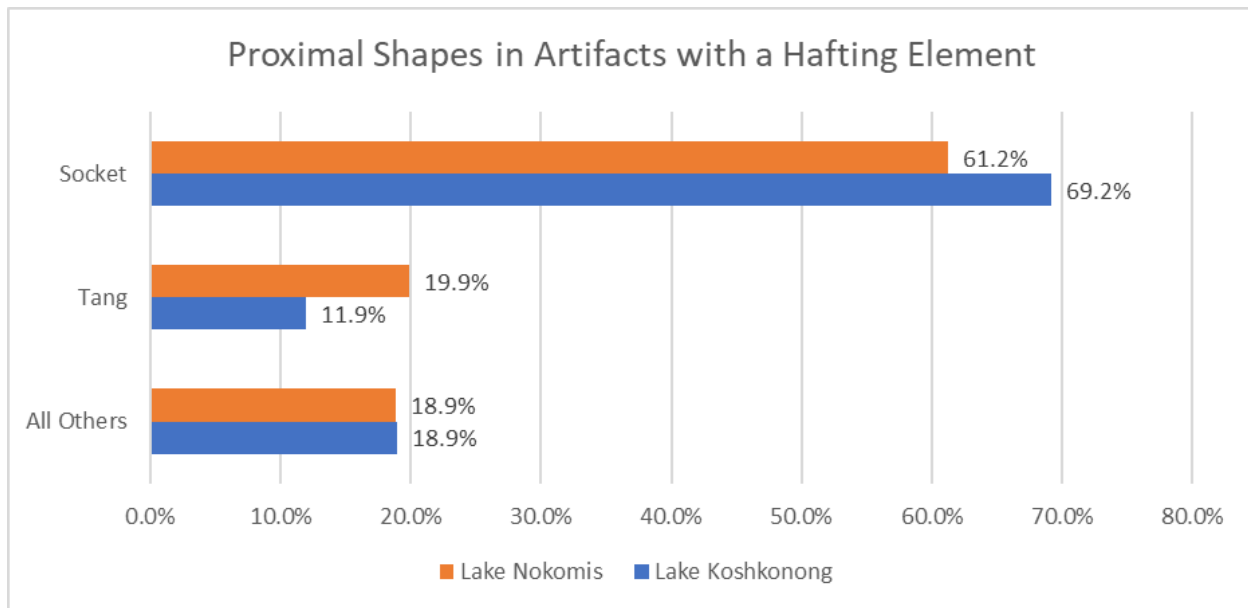


Figure 6.14. Distribution of Proximal Shape in artifacts with a formal hafting element.

Table 6.29. Diversity Indices for Proximal Shapes in Artifacts with a Hafting Element.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 0.823           | 0.936        |
| Evenness                         | 0.750           | 0.852        |
| Simpson's Diversity Index (1-D)  | 0.474           | 0.553        |
| Simpson's Reciprocal Index (1/D) | 1.902           | 2.236        |

Artifacts with formal hafting elements have strikingly similar shapes in the two study assemblages. In contrast, artifacts without a formal hafting element have a very different distribution of shapes in the two study assemblages. Another way to frame this dichotomy is that the more formalized tools, the tools that take longer and are more difficult to make, are more similar in terms of the proximal shape distribution than the tools that are simpler and less time-intensive to make.



### 6.2.11 Proximal Cross-Section

The Bussey collection artifacts presented a total of eleven different types of proximal cross-sections. The Indeterminate classification (N = 19 from Lake Koshkonong and 3 from Lake Nokomis) is reserved for those artifacts with heavily deformed proximal ends. These artifacts have the appearance of once having had a formal cross-section shape, but the proximal end has been deformed beyond clear interpretation. The Not-Applicable category (N = 38 from Lake Koshkonong and 7 from Lake Nokomis) is reserved for those artifacts completely missing their proximal ends. Lake Koshkonong copper tools had more heavily damaged or missing proximal ends than would be expected given random sampling.

The most common proximal cross-section shapes were angular, rectangular, round and square (Table 6.30, Figure 6.15). A chi-squared analysis of the frequencies of these four shapes suggests that the two localities utilized these shapes differently when manufacturing copper tools, though the p-value is affected by the large sample size. The test shows that rectangular cross sections were much more common than would be expected at Lake Nokomis, while square cross-sections were a little more common at Lake Koshkonong than would be expected if the artifacts were being distributed evenly from the same population. On the other hand, angular and round cross-sections very nearly match the theoretical frequencies expected if these two shapes were evenly distributed among the tools from the two localities. This suggests a preference for rectangular cross-sections at Lake Nokomis and square proximal cross-sections and Lake Koshkonong. For proximal cross-sections the diversity of both assemblages is nearly identical, even though the proportions of particular morphologies is different for each assemblage (Table 6.31).

Table 6.30. Contingency table used for chi-squared analysis of proximal cross-section.

| Proximal<br>Cross-<br>Section         | Lake<br>Koshkonong | Lake<br>Nokomis | Totals | Proximal<br>Cross-<br>Section | Lake<br>Koshkonong | Lake<br>Nokomis |
|---------------------------------------|--------------------|-----------------|--------|-------------------------------|--------------------|-----------------|
| Angular                               | 78                 | 13%             | 42     | 16%                           | 120                | 14%             |
| Rectangular                           | 130                | 22%             | 98     | 38%                           | 228                | 27%             |
| Round                                 | 203                | 34%             | 93     | 36%                           | 296                | 35%             |
| Square                                | 179                | 30%             | 28     | 11%                           | 207                | 24%             |
| Totals                                | 590                | 100%            | 261    | 100%                          | 851                | 100%            |
| $X^2 (3, N=851) = 46.002, p < 0.0001$ |                    |                 |        |                               |                    |                 |

Table 6.31. Diversity Indices for Proximal Cross-Section.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 1.396           | 1.495        |
| Evenness                         | 0.717           | 0.719        |
| Simpson's Diversity Index (1-D)  | 0.733           | 0.732        |
| Simpson's Reciprocal Index (1/D) | 3.744           | 3.727        |

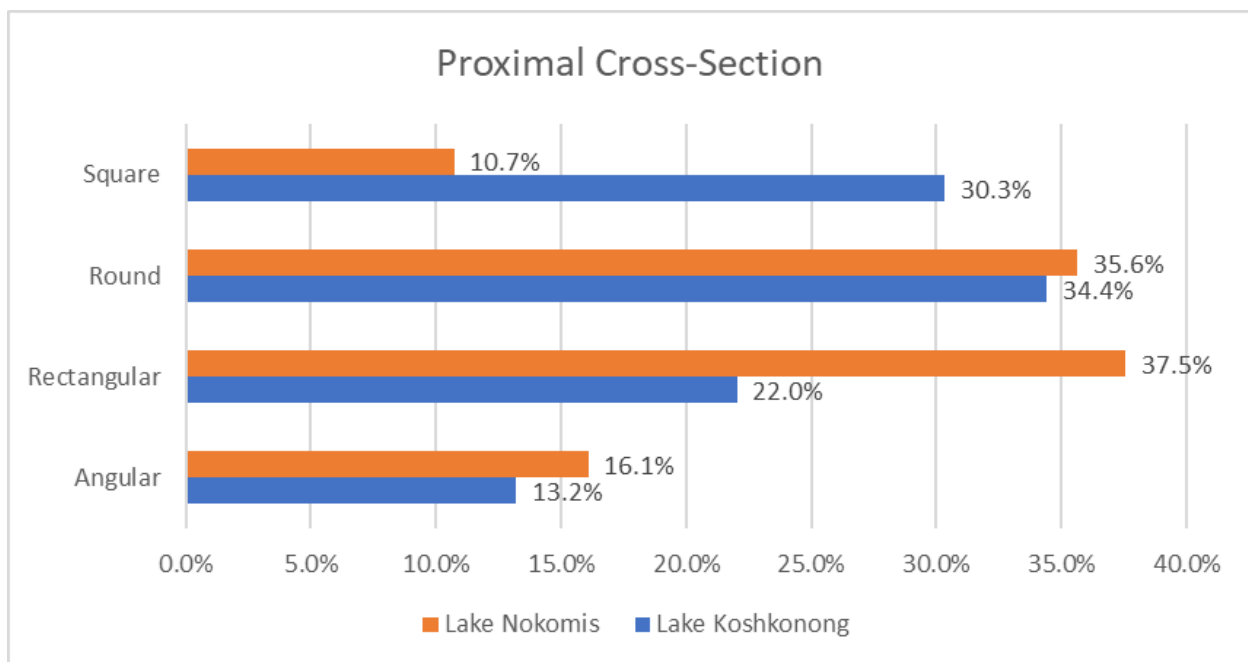


Figure 6.15. Distribution of Proximal Cross-Sections by proportion.

Both angular and round cross-sections are found in similar proportions at both sites. The angular designation was only used for cross-sections of socketed tools, so that similarity is real. However, the apparent similarity in the round cross-section category is misleading because this term was applied to significantly different morphologies. Round cross-sections are found in just

over 1/3 of the artifacts from both localities, but these cross-sections are found on different proximal shapes at each locality. The two largest groups of proximal shapes that have round cross-sections are rods and sockets at both localities, their frequency and proportion in the study assemblages are listed in Table 6.32. These data clearly illustrate the significant real-world differences in the types of round cross-sectioned artifacts found in the assemblages from both localities (Figure 6.16). In the Lake Nokomis assemblage, sockets made up the vast majority of objects with round proximal cross-sections, while rods made up most of the round proximal cross-sections from Lake Koshkonong.

Table 6.32. Frequencies and proportions of proximal shapes of artifacts with round cross-sections, excluding those with less than five instances at either locality.

| <b>Proximal Shape of Round Cross-sections</b> | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Rod   | 115                    | 71%         | 16                  | 17%         | 131           | 52%         |
| Socket  | 46                     | 29%         | 76                  | 83%         | 122           | 48%         |
| <b>Totals</b>                                 | <b>161</b>             | <b>100%</b> | <b>92</b>           | <b>100%</b> | <b>253</b>    | <b>100%</b> |

$X^2 (1, N=253) = 66.321, p < 0.0001$

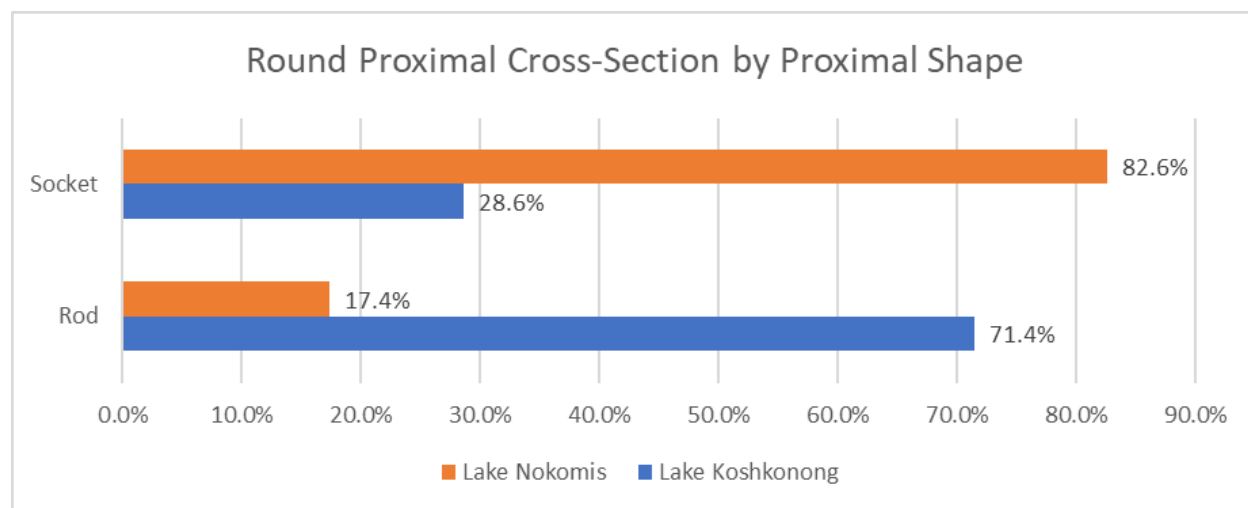


Figure 6.16. Distribution of Round Proximal Cross-Sections divided by Proximal Shape and Locality.

There are five other proximal cross-section shapes that were recorded among the Bussey collection copper tools. These include biconvex, crescent, irregular, plano-convex, and sheet.

There was a total of 16 tools from Lake Nokomis and three tools from Lake Koshkonong that

had one of these shapes. They were not included in the statistical analysis above because the Lake Koshkonong assemblage had fewer than five total, which would skew the chi-squared analysis results. Because of the significantly different distribution of round cross-sections at the two localities, the round cross-section category should be broken into three groups: Round – Rods, Round – Sockets, and Round – Other. Table 6.33 lists frequencies and proportions of all the proximal cross-section data, excluding the Not Applicable, Indeterminate, and Irregular categories.

Table 6.33. Frequencies of proximal cross-section shapes in the two study assemblages.

| <b>Proximal Cross-Section Shapes</b> | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--------------------------------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Angular                              | 78                     | 13%         | 42                  | 15%         | 120           | 14%         |
| Biconvex                             | 0                      | 0%          | 10                  | 3%          | 10            | 1%          |
| Crescent                             | 0                      | 0%          | 2                   | 1%          | 2             | 0%          |
| Plano-convex                         | 1                      | 0%          | 1                   | 0%          | 2             | 0%          |
| Rectangular                          | 137                    | 23%         | 104                 | 36%         | 241           | 28%         |
| Round-R                              | 115                    | 20%         | 16                  | 6%          | 131           | 15%         |
| Round-S                              | 46                     | 8%          | 76                  | 27%         | 122           | 14%         |
| Round-O                              | 24                     | 4%          | 1                   | 0%          | 25            | 3%          |
| Sheet                                | 5                      | 1%          | 6                   | 2%          | 11            | 1%          |
| Square                               | 181                    | 31%         | 28                  | 10%         | 209           | 24%         |
| Triangular                           | 2                      | 0%          | 0                   | 0%          | 2             | 0%          |
| <b>Totals</b>                        | <b>589</b>             | <b>100%</b> | <b>286</b>          | <b>100%</b> | <b>875</b>    | <b>100%</b> |

The Shannon Diversity Index for all of the proximal cross-section data, taking into account the differences in types of round cross-sections, indicates that the Lake Koshkonong assemblage is slightly more diverse and more evenly distributed in this attribute than the Lake Nokomis assemblage (Table 6.34). However, the difference here is quite small.

Table 6.34. Diversity Indices for Proximal Cross-Shape incorporating different types of round cross-sections.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 1.689                  | 1.663               |
| Evenness                         | 0.769                  | 0.722               |
| Simpson's Diversity Index (1-D)  | 0.789                  | 0.764               |
| Simpson's Reciprocal Index (1/D) | 4.746                  | 4.234               |

### 6.2.12 Proximal Morphology

The proximal morphology of an artifact refers to the shape, usually in a plan view, of the proximal-most end of an artifact. As such it operates as the complement and bookend to the distal end morphology variable. This variable can only be recorded if an artifact has a proximal end, so those artifacts without proximal ends were scored as Not Applicable and those artifacts with ends that could not be differentiated between distal and proximal were recorded as Indeterminate. The most common proximal morphologies among the remaining 824 artifacts were rounded, pointed and flat. Aside from those three, there were a total of eight artifacts with other proximal morphologies including seven indented proximal ends and one irregular end. Since these categories each had less than five occurrences, they were excluded from further statistical analysis. A chi-squared analysis of the frequency of flat, round and pointed proximal morphologies suggests that proximal ends were designed differently at the two localities (Table 6.35, Figure 6.17), though the p-value is artificially lowered due to the large sample size. The diversity indices are not very different in this case (Table 6.36), but the real world difference between the flat and pointed groups shows that there is a real difference between the two assemblages.

Table 6.35. Frequency and proportion of the most common proximal morphologies at the two study localities.

| <b>Proximal Morphology</b>            | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---------------------------------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Flat                                  | 52                     | 10%         | 90                  | 33%         | 142           | 17%         |
| Pointed                               | 172                    | 32%         | 46                  | 17%         | 218           | 27%         |
| Rounded                               | 316                    | 59%         | 140                 | 51%         | 456           | 56%         |
| <b>Totals</b>                         | <b>540</b>             | <b>100%</b> | <b>276</b>          | <b>100%</b> | <b>816</b>    | <b>100%</b> |
| $X^2 (2, N=816) = 73.172, p < 0.0001$ |                        |             |                     |             |               |             |

Table 6.36. Diversity indices for the Proximal Morphology variable.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 0.903           | 1.010        |
| Evenness                         | 0.822           | 0.918        |
| Simpson's Diversity Index (1-D)  | 0.550           | 0.610        |
| Simpson's Reciprocal Index (1/D) | 2.21            | 2.570        |

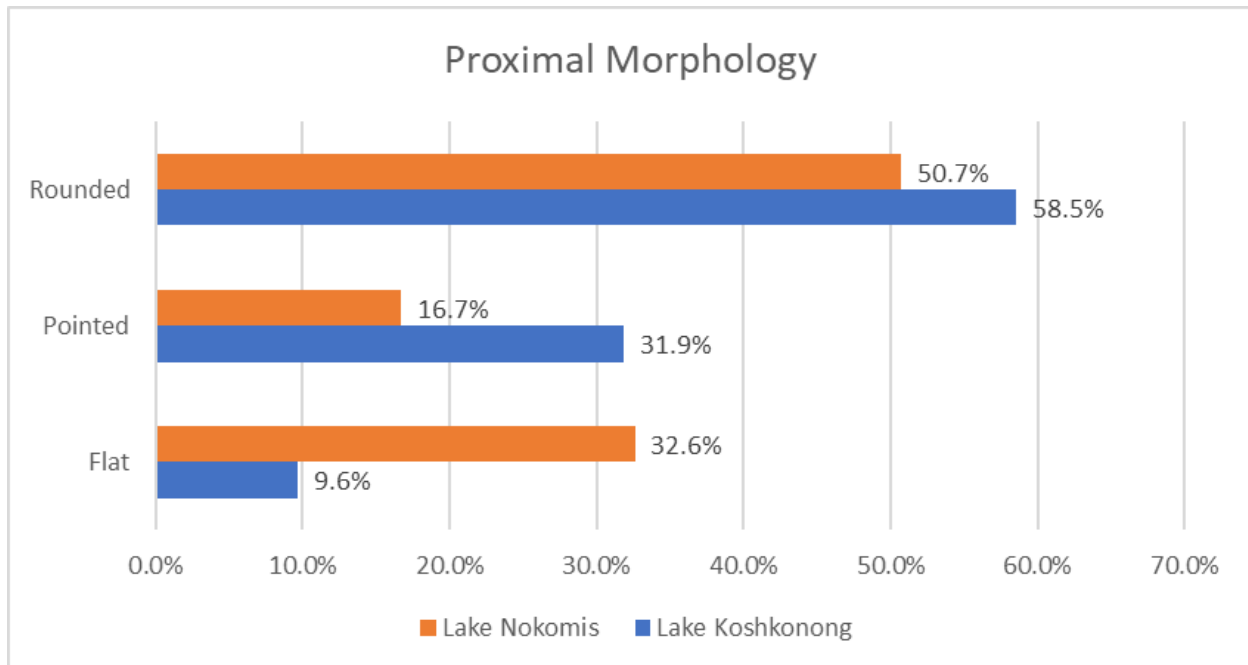


Figure 6.17. Distribution of the three primary Proximal Morphologies.

The largest disparity for this variable was in flat ended tools, which were about three times as common at Lake Nokomis as they were at Lake Koshkonong. However, the difference is misleading without more context. Most of the flat ended artifacts have a socket for proximal shape. A chi-squared analysis of only the flat proximal end data indicates no difference between the two localities in the types of proximal shapes that are flat on the end (Table 6.37, Figure 6.18). This result suggests that Proximal Morphology might be controlled by the type of proximal end a given tool has (recorded as proximal shape in this study) more so than manufacture preferences.

Table 6.37. Distribution of flat Proximal Morphology among Proximal shapes.

|        | Lake Koshkonong |         | Lake Nokomis |         | Totals |         |
|--------|-----------------|---------|--------------|---------|--------|---------|
| Socket | 41              | 78.85%  | 77           | 85.56%  | 118    | 83.10%  |
| Other  | 11              | 21.15%  | 13           | 14.44%  | 24     | 16.90%  |
|        | 52              | 100.00% | 90           | 100.00% | 142    | 100.00% |

$X^2 (1, N = 142) = 1.056, p = 0.304$

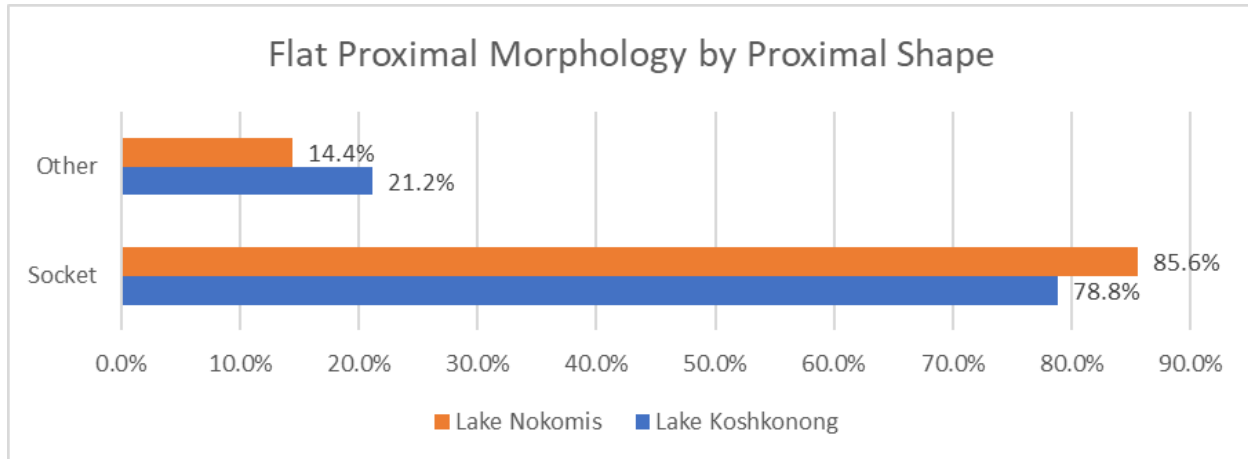


Figure 6.18. Distribution of flat Proximal Morphology divided by Proximal Shape.

However, a chi-squared test of the proximal morphologies of sockets indicates that there is still a difference between the two assemblages (Table 6.38). The data detailed below shows that while flat proximal morphology is dominated by socketed artifacts at both localities, socketed artifacts have distinctly different proximal morphologies and that flat sockets are far more common proportionally in the Lake Nokomis assemblage (Figure 6.19).

Table 6.38. Distribution of Proximal Morphologies among socketed artifacts.

|               | Lake Koshkonong |         | Lake Nokomis |         | Totals |         |
|---------------|-----------------|---------|--------------|---------|--------|---------|
| Flat          | 41              | 33.61%  | 77           | 66.38%  | 118    | 49.58%  |
| Pointed       | 53              | 43.44%  | 22           | 18.97%  | 75     | 31.51%  |
| Rounded       | 28              | 22.95%  | 17           | 14.66%  | 45     | 18.91%  |
| <b>Totals</b> | 122             | 100.00% | 116          | 100.00% | 238    | 100.00% |

$X^2 (2, N = 238) = 26.351, p < 0.0001$

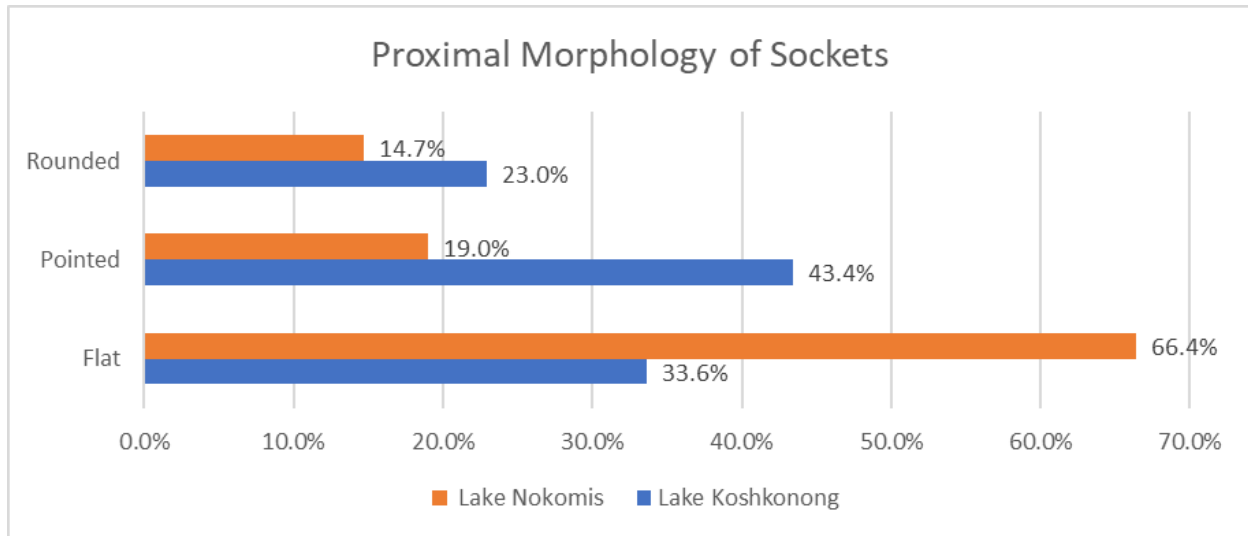


Figure 6.19. Distribution of Proximal Morphology among socketed artifacts.

The data also indicate that there were almost twice as many pointed proximal ends proportionally in the Lake Koshkonong assemblage. A breakdown of pointed Proximal Morphology by Proximal Shape reveals a pattern similar to that observed in the round Proximal Cross-Sections. While both assemblages have pointed proximal ends, the majority of them in the Lake Koshkonong assemblage are rods, while rods make up only 11% of the pointed Lake Nokomis assemblage. Based on the distribution of proximal morphology in sockets, depicted above in Figure 6.19, pointed sockets were twice as common at Lake Koshkonong as they were at Lake Nokomis. Pointed Proximal Morphologies are distributed very differently among different proximal shapes in the two assemblages (Table 6.39, Figure 6.20). Roughly, it appears that pointed ends were preferred over flat at Lake Koshkonong and the reverse at Lake Nokomis.

Table 6.39. Distribution of pointed Proximal Morphologies among Proximal Shapes.

|   | Lake Koshkonong |         | Lake Nokomis |         | Totals |         |
|---|-----------------|---------|--------------|---------|--------|---------|
| Rod                                     | 93              | 54.07%  | 5            | 10.87%  | 98     | 44.95%  |
| Socket                                  | 53              | 30.81%  | 22           | 47.83%  | 75     | 34.40%  |
| Sub-Triangular                          | 10              | 5.81%   | 10           | 21.74%  | 20     | 9.17%   |
| Other                                   | 16              | 9.30%   | 9            | 19.57%  | 25     | 11.47%  |
| <b>Totals</b>                           | 172             | 100.00% | 46           | 100.00% | 218    | 100.00% |
| $X^2 (3, N = 218) = 31.487, p < 0.0001$ |                 |         |              |         |        |         |



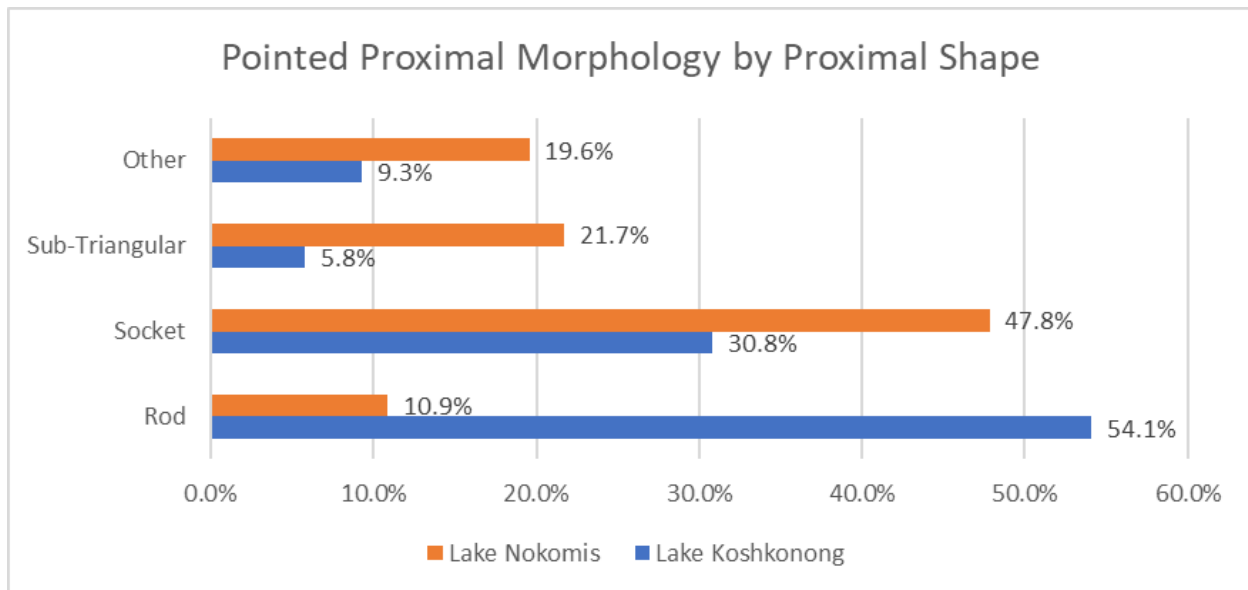


Figure 6.20. Distribution of pointed Proximal Morphologies among Proximal Shapes by proportion.

### 6.2.13 Number of Functional Units

Functional units records the number of components on an artifact that were used to transfer energy from the tool into a target material. Functional units could be morphologies such as points, cutting edges or hammering surfaces. A chi-squared analysis of the number of functional units on artifacts from the two study localities suggest that there was a meaningful difference in the way artifacts were designed at the two localities. However, a graphic look at the data (Figure 6.21) shows that both assemblages were dominated by artifacts with a single functional unit (Lake Koshkonong 75%, Lake Nokomis 70%). It is in the quarter of the assemblage left over where the difference lies. There were two categories in this minority group that were primarily responsible for the statistical significance. In the Lake Koshkonong assemblage there were more artifacts in the 1-or-2 functional units category than would be expected. These are artifacts where the number could not be determined based on the artifact's morphology, for example a bi-pointed rod could be used on either end, or on just one end with the second point serving as a hafting element. This difference could potentially be influenced by

observer bias. The other category is artifacts with two functional units, the Lake Nokomis assemblage has more of these than would be expected if they were evenly distributed between the localities (Table 6.40).

Table 6.40. The number of functional units found on artifacts from each location.

| Number of Functional Units | Lake Koshkonong |             | Lake Nokomis |             | Totals      |             |
|----------------------------|-----------------|-------------|--------------|-------------|-------------|-------------|
| Zero                       | 40              | 6%          | 30           | 9%          | 70          | 7%          |
| One                        | 511             | 75%         | 223          | 70%         | 734         | 73%         |
| One or Two                 | 107             | 16%         | 24           | 8%          | 131         | 13%         |
| Two                        | 10              | 1%          | 28           | 9%          | 38          | 4%          |
| Three                      | 15              | 2%          | 12           | 4%          | 27          | 3%          |
| <b>Totals</b>              | <b>683</b>      | <b>100%</b> | <b>317</b>   | <b>100%</b> | <b>1000</b> | <b>100%</b> |

$X^2 (4, N=1,000) = 48.407, p < 0.0001$

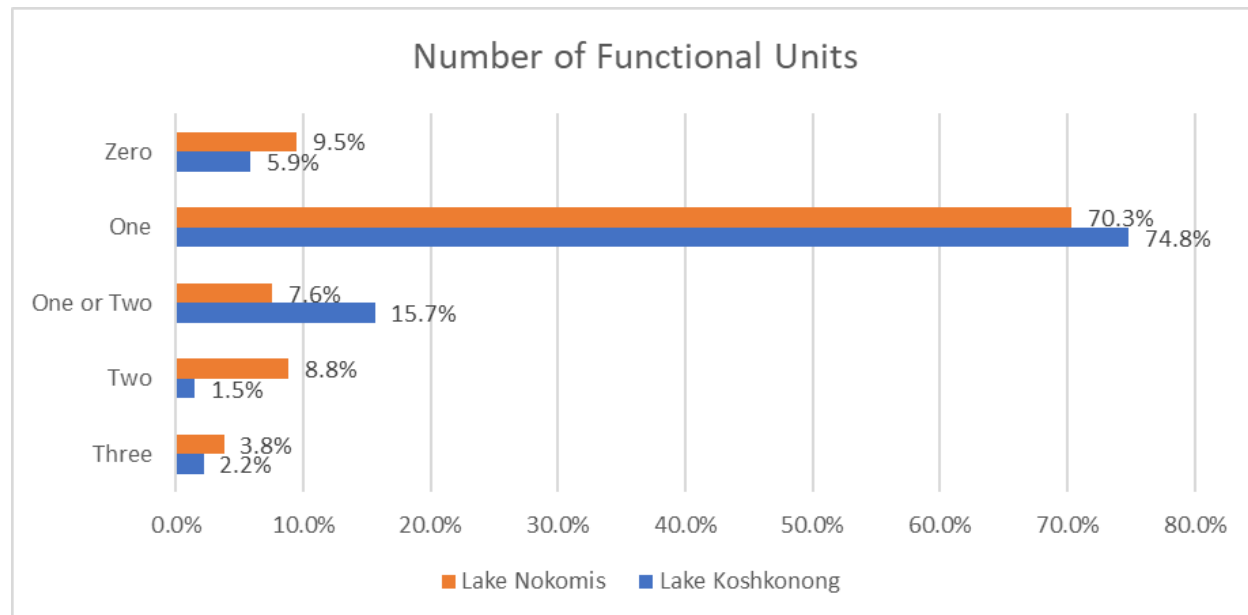


Figure 6.21. Distribution of the Number of Functional Units in the two study assemblages.

#### 6.2.14 Number of Edges

The number of edges variable records the number of cutting edges designed into the functional units of an artifact. A knife blade, for example, could have a single edge with the other edge of the blade flattened to form a wedge-shaped cross-section. Alternatively, it could be designed with two sharp edges, one on either lateral margin of the blade. For this study, edges are only considered as formal morphological trait, a way to compare the habitus of the two study

localities. The implications of having multiple edges on a tool, noted in some lithic studies (i.e. Jeske 1987); whether more edges may mean a community is more or less mobile was not identified as one of the expected material correlates for any of the three types of social networks because of the complexity of cultural and environmental variables leading to the production of edges and will not be discussed further. There was only one tool in the entire collection that had three edges and it was from Lake Nokomis. This artifact was a uniquely designed crescent shaped knife with two straight edges and one short edge between them. A chi-squared analysis of the frequencies of sharp edges suggests that numbers of edges occurred at different rates among artifacts from each of the study localities (Table 6.41). For this analysis, the single three-edged tool was lumped with the two-edged tools to ensure there were not categories with less than five instances. Lake Koshkonong had more tools with zero edges than Lake Nokomis, while Lake Nokomis had more of both one- and two-edged artifacts than Lake Koshkonong (Figure 6.22). The diversity indices for this data show that the Lake Nokomis assemblage was more diverse than the Lake Koshkonong assemblage in terms of number of edges (Table 6.42).

Table 6.41. Frequencies and proportions of edges on artifacts from the two study localities.

| <b>Number of Edges</b>                 | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|--|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Zero Edges                             | 585                    | 90%         | 209                 | 73%         | 794           | 85%         |
| One Edge                               | 46                     | 7%          | 43                  | 15%         | 89            | 9%          |
| Two Edges                              | 19                     | 3%          | 35                  | 12%         | 54            | 6%          |
| <b>Totals</b>                          | <b>650</b>             | <b>100%</b> | <b>287</b>          | <b>100%</b> | <b>937</b>    | <b>100%</b> |
| $X^2(2, N = 937) = 49.733, p < 0.0001$ |                        |             |                     |             |               |             |

Table 6.42. Diversity indices for the Number of Edges variable.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 0.386                  | 0.772               |
| Evenness                         | 0.351                  | 0.703               |
| Simpson's Diversity Index (1-D)  | 0.180                  | 0.430               |
| Simpson's Reciprocal Index (1/D) | 1.230                  | 1.770               |

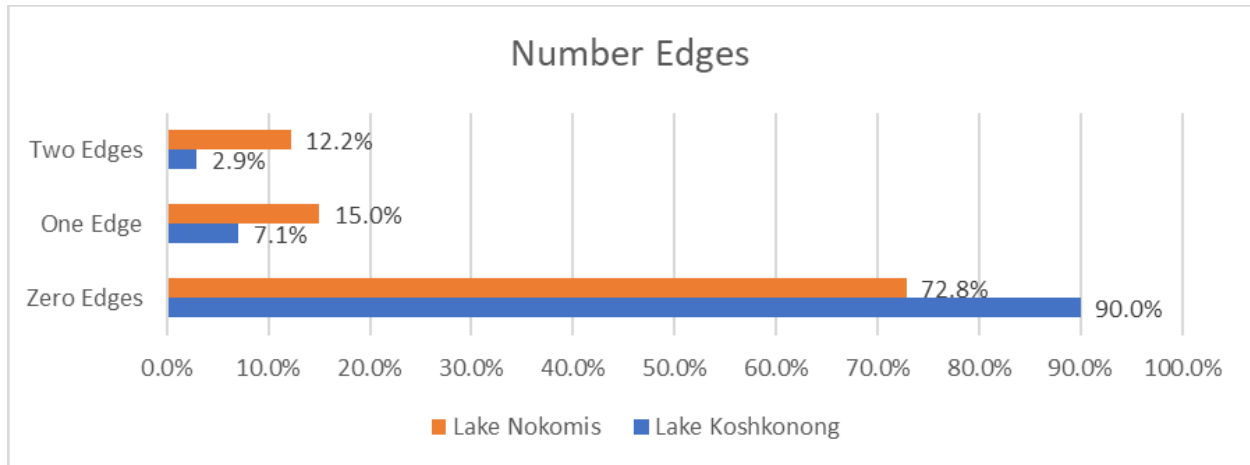


Figure 6.22. Distribution of the Number Edges per artifact at each study locality.

#### 6.2.15 Refinement

Refinement was recorded as crude, medium or refined, and was determined by the analyst and based on a direct comparison with others of the same or similar morpho-functional type. Refinement is based on the number of formalized features found on each artifact, which is an indirect measure of the amount of energy or effort expended by the manufacturer. This variable was the only one that did not indicate a significant difference between the localities in a chi-squared analysis (Table 6.43). The diversity indices are also very similar for the two samples (Table 6.44), also suggesting that refinement is not different in the two assemblages.

Table 6.43. Frequency and proportion of levels of refinement in artifacts from the two study localities.

| Refinement    | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|---------------|-----------------|-------------|--------------|-------------|------------|-------------|
| Crude         | 135             | 21%         | 45           | 16%         | 180        | 19%         |
| Medium        | 458             | 70%         | 212          | 74%         | 670        | 72%         |
| Refined       | 57              | 9%          | 30           | 10%         | 87         | 9%          |
| <b>Totals</b> | <b>650</b>      | <b>100%</b> | <b>287</b>   | <b>100%</b> | <b>937</b> | <b>100%</b> |

$X^2 (2, N=937) = 3.616, p = 0.164$

Table 6.44. Diversity indices for the Refinement variable.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 0.787           | 0.750        |
| Evenness                         | 0.716           | 0.683        |
| Simpson's Diversity Index (1-D)  | 0.450           | 0.420        |
| Simpson's Reciprocal Index (1/D) | 1.830           | 1.730        |

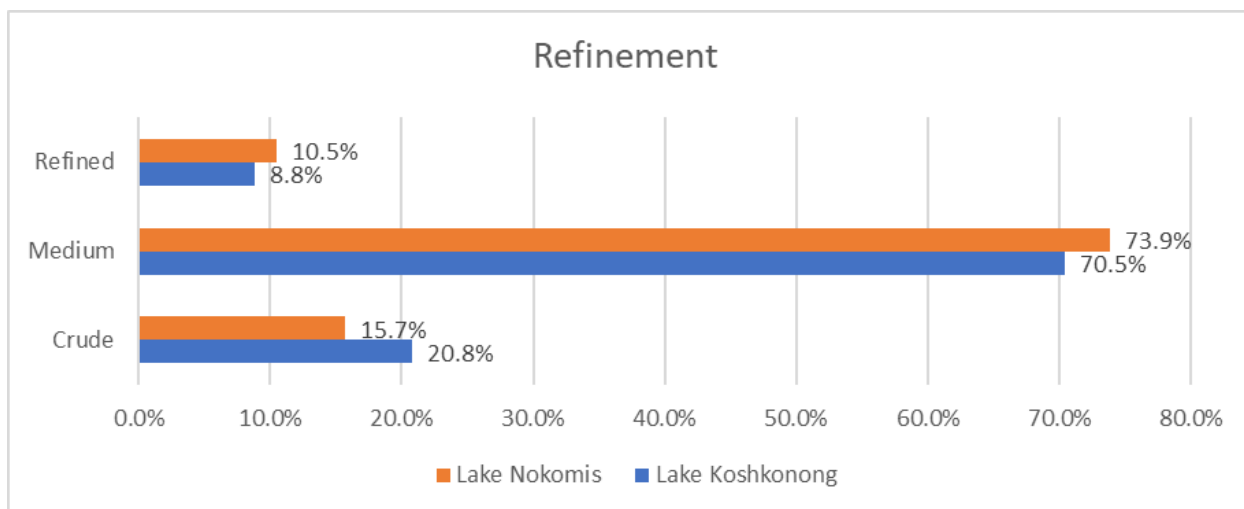


Figure 6.23. Distribution of Refinement in the two study localities.

#### 6.2.16 Edge Modification, Projections, and Rivets

Observations for four other variables were made for each of the copper artifacts, but were relatively rare and are therefore not amenable to standard statistical analysis. However, they may still be helpful in discerning similarity or difference between the two study localities.

Beveled edges (Figure 6.24) occurred on six percent of the Lake Nokomis assemblage, while they were observed on less than two percent of the Lake Koshkonong assemblage. While this difference is not statistically significant, as might be expected given the large number of artifacts without beveled edges, the difference in proportion of the assemblage is noteworthy. There are three times as many artifacts with beveled edges in the Lake Nokomis assemblage than there were in the Lake Koshkonong assemblage. However, when Non-Applicable artifacts are removed, the difference shrinks. At Lake Koshkonong 17% of artifacts that could have beveled edges have them, while at Lake Nokomis 22% of artifacts that could have beveled edges have them.

Table 6.45. Frequency of beveled edge modifications at each locality.

| <b>Edge Modifications</b> | <b>Beveled</b> | <b>None</b> | <b>N/A</b> | <b>Total</b> |
|---------------------------|----------------|-------------|------------|--------------|
| Lake Koshkonong           | 11             | 54          | 585        | 650          |
| Lake Nokomis              | 17             | 62          | 208        | 287          |
| <b>Total</b>              | <b>28</b>      | <b>116</b>  | <b>793</b> | <b>937</b>   |

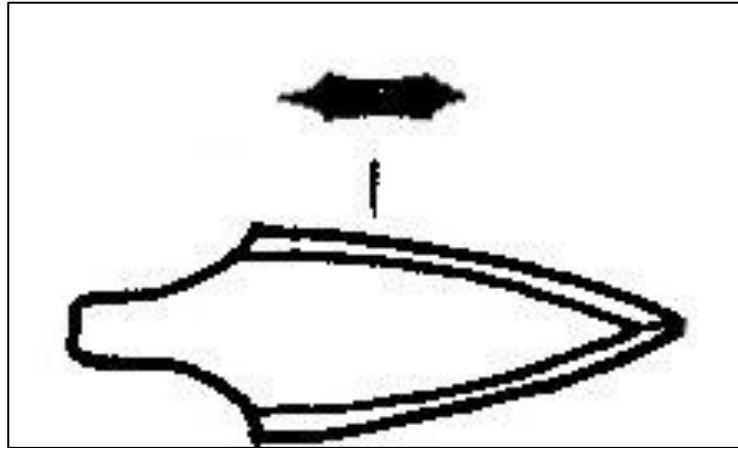


Figure 6.24. Illustration of beveling along an edge of a blade, note the shape of the cross-section at the top.

Projections are another rare attribute. They do not show up in statistically different amounts in the two assemblages (Table 6.46). They do add to the diversity of the assemblages however and Table 6.47 shows that the two assemblages had different kinds of projections.

Table 6.46. Frequency of the presence of projections on copper tools at each locality.

| <b>Projections</b> | <b>Absent</b> | <b>Present</b> | <b>Total</b> |
|--------------------|---------------|----------------|--------------|
| Lake Koshkonong    | 648           | 2              | 650          |
| Lake Nokomis       | 284           | 3              | 287          |
| <b>Total</b>       | <b>932</b>    | <b>5</b>       | <b>937</b>   |

Table 6.47. Frequency of each type of projection on copper tools from each study locality.

| <b>Type of Projection</b> | <b>Harpoon</b> | <b>Point</b> | <b>Proximal Side Barb</b> | <b>Side Nub</b> | <b>N/A</b> | <b>Total</b> |
|---------------------------|----------------|--------------|---------------------------|-----------------|------------|--------------|
| Lake Koshkonong           | 1              | 0            | 1                         | 0               | 648        | 650          |
| Lake Nokomis              | 0              | 1            | 0                         | 2               | 284        | 287          |
| <b>Total</b>              | <b>1</b>       | <b>1</b>     | <b>1</b>                  | <b>2</b>        | <b>932</b> | <b>937</b>   |

Rivet holes were also much rarer than expected. They are usually located at the proximal end of an artifact and are generally associated with socketed tools. Rivets constitute an additional

step in the hafting/manufacturing process, beyond the more common socket hafting style. This rare attribute is, however, significantly different in the two study samples. There were no artifacts with a rivet hole in the Lake Koshkonong assemblage while there were nine in the Lake Nokomis assemblage. The fact that there are no rivet holes in the Lake Koshkonong samples is not likely a result of sampling error, given the large sample size from that locality. It suggests that rivets were not part of Lake Koshkonong copper production habitus.

Table 6.48. Frequency of rivet holes in the copper tools at each locality.

| <b>Rivets</b>   | <b>Absent</b> | <b>Present</b> | <b>Total</b> |
|-----------------|---------------|----------------|--------------|
| Lake Koshkonong | 650           | 0              | 650          |
| Lake Nokomis    | 278           | 9              | 287          |
| <b>Total</b>    | <b>928</b>    | <b>9</b>       | <b>937</b>   |

#### *6.2.17 Morpho-functional type*

The final morphological variable recorded for each of the artifacts was an estimation of the artifact's morpho-functional type. In other typologies (Brown 1903, West 1929, Wittry 1950, 1951), morpho-functional type has been the first and primary organizing principle. In the course of analyzing 1,000 copper artifacts, it became clear that the actual morphological variation of the artifacts consistently overwhelmed the utility of these vaguely defined morpho-functional typologies, causing extensive problems with basic categorization of the assemblage and subsequent comparison of the two study localities. However, some morphologically defined types are readily discernable, which in some cases correspond to obvious functional types used in earlier typologies, especially if one is willing to lump objects into relatively broad categories. The overall frequency and proportion of these categories for the entirety of the analyzed sample is listed in Table 6.49 below.

Table 6.49. Morpho-functional types in the study assemblage.

| <b>Morpho-Functional Type</b> | <b>Lake Koshkonong</b> |       | <b>Lake Nokomis</b> |       | <b>Totals</b> |        |
|-------------------------------|------------------------|-------|---------------------|-------|---------------|--------|
| Fish Hook                     | 118                    | 17.3% | 3                   | 1.0%  | 121           | 12.1%  |
| Knife                         | 27                     | 3.95% | 32                  | 10.1% | 59            | 5.90%  |
| Projectile Point              | 128                    | 18.7% | 137                 | 43.2% | 265           | 26.50% |
| Wittry type IV                | 336                    | 49.2% | 85                  | 26.8% | 425           | 42.50% |
| Axe                           | 1                      | 0.2%  | 0                   | 0.0%  | 1             | 0.1%   |
| Bead                          | 0                      | 0.0%  | 4                   | 1.3%  | 4             | 0.40%  |
| Bead manufacturing debris     | 1                      | 0.15% | 0                   | 0.0%  | 1             | 0.10%  |
| Billet                        | 0                      | 0.0%  | 5                   | 1.6%  | 5             | 0.50%  |
| Chisel                        | 9                      | 1.3%  | 5                   | 1.6%  | 14            | 1.40%  |
| Crescent                      | 3                      | 0.4%  | 6                   | 1.9%  | 9             | 0.90%  |
| Drill                         | 1                      | 0.2%  | 0                   | 0.0%  | 1             | 0.10%  |
| Effigy Point                  | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Feather                       | 7                      | 1.0%  | 0                   | 0.0%  | 7             | 0.70%  |
| Fragment                      | 3                      | 0.4%  | 0                   | 0.0%  | 3             | 0.30%  |
| Harpoon                       | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Knife or Crescent             | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Knife/Projectile Point        | 5                      | 0.73% | 0                   | 0.0%  | 5             | 0.50%  |
| Mandril                       | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Plummet                       | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Preform                       | 4                      | 0.6%  | 0                   | 0.0%  | 4             | 0.40%  |
| Reamer                        | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |
| Socket only                   | 2                      | 0.3%  | 0                   | 0.0%  | 2             | 0.20%  |
| Spud                          | 1                      | 0.2%  | 1                   | 0.3%  | 2             | 0.20%  |
| Unknown                       | 37                     | 5.4%  | 28                  | 8.8%  | 65            | 6.50%  |
| Wedge                         | 0                      | 0.0%  | 1                   | 0.3%  | 1             | 0.10%  |

The most common major categories in the Bussey Collection are Wittry's Type IV artifacts (which Wittry labeled perforators), Projectile Points, both bladed and non-bladed (most of which would fit within Wittry's Type I), fish hooks (Wittry's Type VII), and knives (Wittry's Type II). Other categories include objects such as an axe, beads, billets, chisels, crescents, drills, various decorative items (other than beads), a harpoon, a mandril, spatulas, plummet, a reamer, spuds and a wedge. There were also several partial objects that might have been either one or the other of the above types including one blade from either a knife or a crescent, five objects that were fragments of the distal end of either a knife or a projectile point, and two sockets that could have originally been attached to either a knife or a projectile point. The remaining types include



objects that were either never finished, the waste produced during copper artifact manufacturing, or objects so badly corroded that it is now impossible to determine their original form.

Morpho-functional types were lumped into larger categories such as chopping and digging tools and ornaments (Table 6.50). A chi-squared analysis was conducted using only the three most common morpho-functional categories (Table 6.51). Adding chopping tools and ornaments to the analysis did not change the chi-square value at all. Since the sample size was still quite large the p-value is artificially low. The diversity indices indicate that overall, the Lake Nokomis assemblage is slightly more diverse and evenly distributed than the Lake Koshkonong assemblage (Table 6.52), though this difference isn't very large. As with previous variables, the difference between the assemblages is most readily apparent when the resultant groups are compared (Figure 6.25). The result of this analysis indicates that the Lake Nokomis assemblage is dominated by projectile points and has proportionately twice as many knives and projectile points as the Lake Koshkonong assemblage. The Lake Koshkonong assemblage is dominated by Type IV artifacts and has more than twice as many of these as the Lake Nokomis assemblage.

Table 6.50. Distribution of morpho-functional groups in the two study assemblages.

| <b>Morpho-Functional Groups</b>                                       | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Knives  | 27                     | 4%          | 32                  | 11%         | 59            | 6%          |
| Projectile Points:<br>Including harpoons                              | 128                    | 20%         | 138                 | 48%         | 266           | 29%         |
| Type IV:<br>Including drills  | 337                    | 53%         | 89                  | 31%         | 426           | 46%         |
| Fish hooks  | 118                    | 19%         | 3                   | 1%          | 121           | 13%         |
| Chopping and Digging<br>tools:<br>Axe, Billet, Chisel, Spud,<br>Wedge | 11                     | 2%          | 12                  | 4%          | 23            | 3%          |
| Crescents   | 3                      | 0%          | 6                   | 2%          | 9             | 1%          |
| Ornaments:<br>Beads, Effigy Point,<br>"Feathers"                      | 8                      | 1%          | 5                   | 2%          | 13            | 1%          |
| Reamer/Mandril/Plummet  | 0                      | 0%          | 3                   | 1%          | 3             | 0%          |
| <b>Totals</b>   | <b>632</b>             | <b>100%</b> | <b>288</b>          | <b>100%</b> | <b>920</b>    | <b>100%</b> |

Table 6.51. Contingency table used to analyze assemblage composition for the two study localities.

| Type              | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|-------------------|-----------------|-------------|--------------|-------------|------------|-------------|
| Knives            | 27              | 5%          | 32           | 13%         | 59         | 8%          |
| Projectile Points | 128             | 26%         | 137          | 54%         | 265        | 36%         |
| Type IV           | 336             | 68%         | 85           | 33%         | 421        | 57%         |
| <b>Totals</b>     | <b>491</b>      | <b>100%</b> | <b>254</b>   | <b>100%</b> | <b>745</b> | <b>100%</b> |

$X^2(2, N = 745) = 83.423, p < 0.0001$

Table 6.52. Diversity indices for Morpho-Functional type.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 1.430           | 1.522        |
| Evenness                         | 0.687           | 0.693        |
| Simpson's Diversity Index (1-D)  | 0.685           | 0.713        |
| Simpson's Reciprocal Index (1/D) | 3.175           | 3.486        |

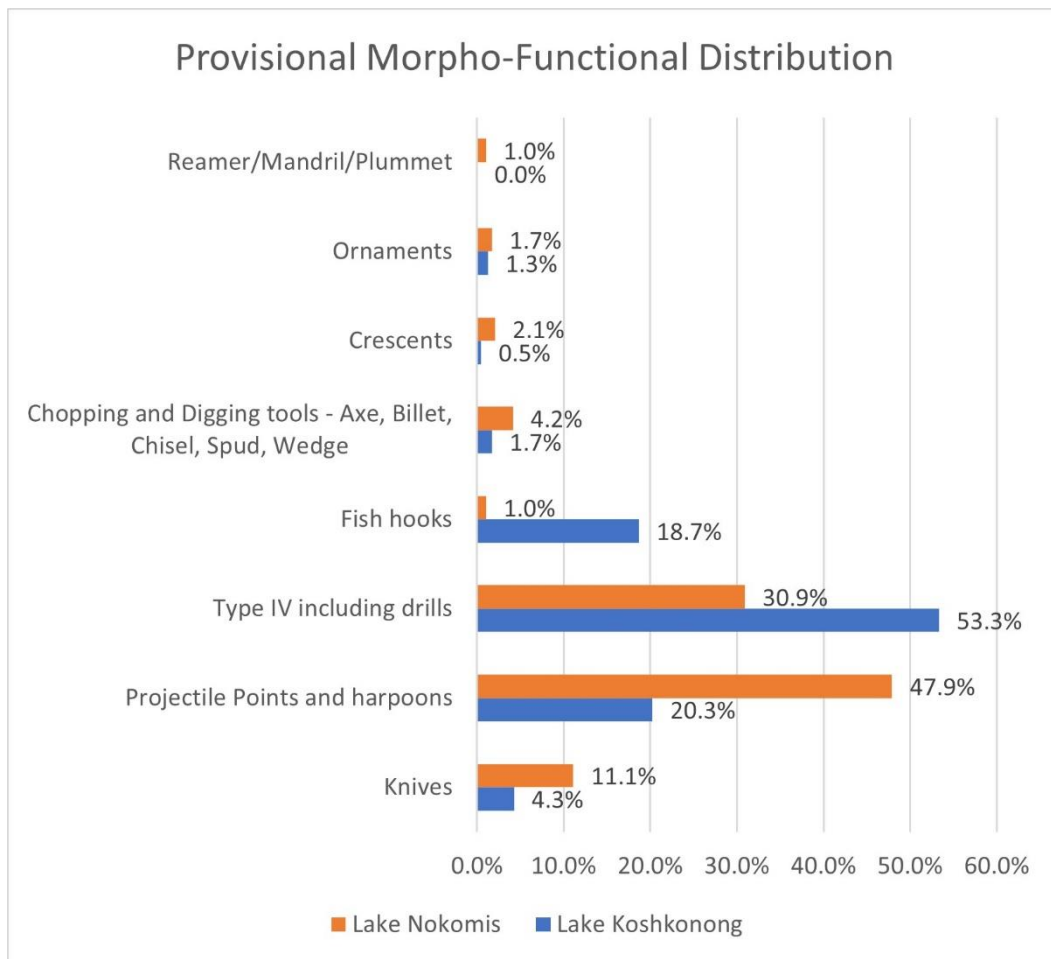


Figure 6.25. Distribution of Morpho-Functional types.

### ***6.3 Analysis of Results by Significant Tool Types***

The next set of data that was collected was basic metric measurements for each individual artifact in the study assemblage. However, a straightforward comparison of the differences in metric measurements between the two assemblages will be heavily skewed by the types of artifacts in those assemblages. For example, projectile points are generally much larger than fish hooks so that an assemblage with proportionately more projectile points will have larger metric measurements, not because its artifacts are bigger, but because it has more of the larger artifacts. In order to facilitate comparison of morphologically similar objects and culturally meaningful measurements, types will first need to be defined using the minimum number of morphological traits required to differentiate one from the other. The metric results will therefore be integrated into a discussion of these minimum traits and morphological comparisons of the most numerous tool types in the assemblage.

#### ***6.3.1 Type IV Artifact Comparison***

Artifacts that roughly fit into Wittry's Type IV category are pointed in basic type, have functional element shapes that are either straight or curved rods or sub-triangular and do not have blades or sockets. There are 421 artifacts in the study assemblages that fit this description. The Lake Koshkonong assemblage has 336 of these artifacts while the Lake Nokomis assemblage has 85. As a proportion of their respective assemblages, Lake Koshkonong Type IV artifacts make up nearly twice as much of the assemblage as the Lake Nokomis Type IV artifacts (Table 6.53). The table below also illustrates the difference between straight and curved rod distribution in the two assemblages. A chi-square analysis indicates that the proportional differences between the two localities in terms of the distribution of straight rod and sub-triangular functional element shapes is significant (Table 6.53, Figure 6.26). This result indicates that the distribution

difference in the two assemblages is real, but also suggests that metric measurements should only be compared within these categories rather than across all of the Type IV artifacts.

Table 6.53. Type IV artifact distribution and functional element shape in the two study assemblages.

**Type IV**

**Functional**

| Element Shapes | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|----------------|-----------------|-------------|--------------|-------------|------------|-------------|
| Curved Rod     | 32              | 10%         | 1            | 1%          | 33         | 8%          |
| Straight Rod   | 277             | 82%         | 47           | 55%         | 324        | 77%         |
| Sub-Triangular | 27              | 8%          | 37           | 44%         | 64         | 15%         |
| <b>Totals</b>  | <b>336</b>      | <b>100%</b> | <b>85</b>    | <b>100%</b> | <b>421</b> | <b>100%</b> |

$X^2 (1, N = 388) = 59.089, p < 0.0001$

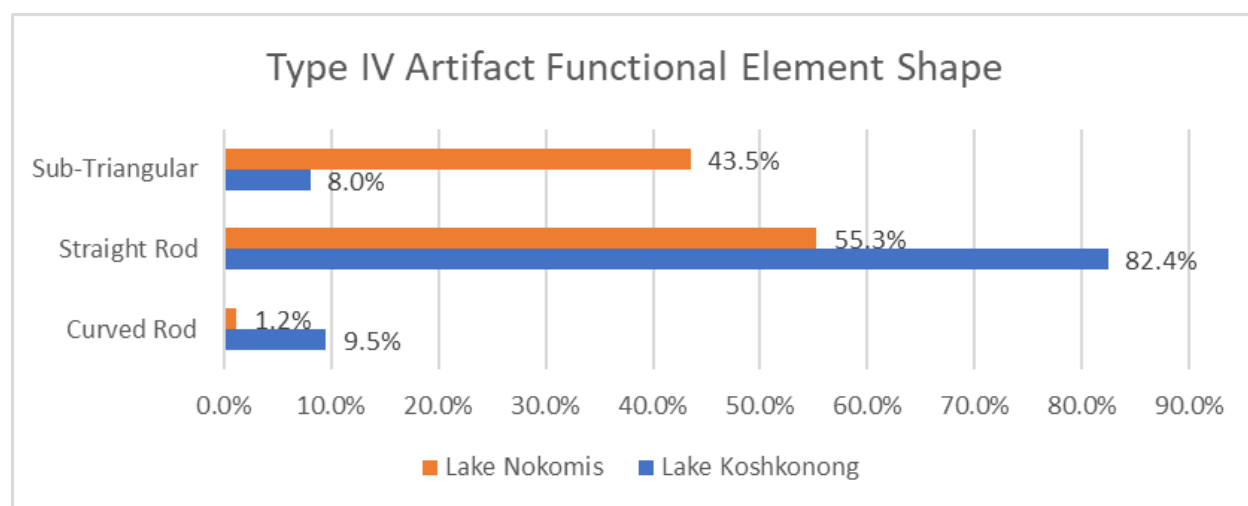


Figure 6.26. Distribution of Functional Element Shapes for Type IV Artifacts.

*6.3.1.1 Straight Rod Type IV Artifact Comparison*

Type IV artifacts, with straight-rod functional element shapes are the most common artifact type at the Lake Koshkonong locality ( $n = 277$ ). They are pointed tools, that have a rod-shaped functional element, they are symmetrical and are not curved. Despite this simple design they display significant variation in morphology. Functional element and proximal element cross-section shapes for these tools are mostly square, rectangular and round, though these shapes were not always consistent from one end of the tool to the other. In the Lake Koshkonong assemblage a square cross-section is most common, followed by round cross-sections and then rectangular. The proximal end morphology of this tool type is the only other design option, apart

from size considerations. At Lake Koshkonong, 72% of these tools have rounded proximal ends, while 28% are pointed.

Forty-seven tools matching the above description were also observed in the Lake Nokomis Assemblage. Cross-section shapes were similarly distributed in this assemblage with square cross-sections again being the most common (Table 6.54) Only straight-rod Type IV artifacts with at least some portion of both ends of the tool were included in the analysis (Lake Koshkonong n = 245 and Lake Nokomis n = 44). The proximal morphology of these tools at Lake Nokomis is more often rounded than in the Lake Koshkonong sample (Only tools with a proximal end were used for this analysis (Lake Koshkonong n = 239 and Lake Nokomis n = 42). This difference is just below the 0.05 p-value, indicating a significant difference in manufacturing process between the two localities (Table 6.55). One caveat is that the result may be influenced by the large Lake Koshkonong sample size.

Table 6.54. Distribution of cross-section shapes in straight rod Type IV artifacts from the two study localities.

|               | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Rectangular   | 46                     | 19%         | 11                  | 25%         | <b>57</b>     | <b>20%</b>  |
| Round         | 62                     | 25%         | 10                  | 23%         | <b>72</b>     | <b>25%</b>  |
| Square        | 101                    | 41%         | 17                  | 39%         | <b>118</b>    | <b>41%</b>  |
| Changing      | 36                     | 15%         | 6                   | 14%         | <b>42</b>     | <b>15%</b>  |
| <b>Totals</b> | <b>245</b>             | <b>100%</b> | <b>44</b>           | <b>100%</b> | <b>289</b>    | <b>100%</b> |

Table 6.55. Contingency table used for chi-squared analysis of proximal morphologies of straight rod Type IV Artifacts from the two study localities.

|               | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Total</b> |             |
|---------------|------------------------|-------------|---------------------|-------------|--------------|-------------|
| Pointed       | 66                     | 28%         | 5                   | 12%         | <b>71</b>    | <b>25%</b>  |
| Rounded       | 173                    | 72%         | 37                  | 88%         | <b>210</b>   | <b>75%</b>  |
| <b>Totals</b> | <b>239</b>             | <b>100%</b> | <b>42</b>           | <b>100%</b> | <b>281</b>   | <b>100%</b> |

$X^2 (1, N = 281) = 3.874, p = 0.049$

Overall, straight rod Type IV artifacts from both localities are very similar morphologically, with the exception that the Lake Koshkonong assemblage appears to have had proportionately more double pointed straight rods. The distribution of cross-section shapes is

relatively evenly distributed and is almost identical at the two localities. Cross-section shape changes from the distal to the proximal end on only about 15% of the sampled artifacts at both localities. This result indicates either a shared habitus between the two localities, or a similar randomization of cross-section shape operating equally at both localities.

A comparison of the lengths of straight-rod Type IV artifacts required further data preparation. First, only whole artifacts would give relevant data about the patterns in length at the two localities, so all partial Type IV artifacts were removed. This left the Lake Koshkonong assemblage with 236 artifacts and the Lake Nokomis assemblage with 43 artifacts. Next, the presence of possible outliers was identified using a Grubbs test. The result indicated that there were no statistical outliers in the Lake Nokomis data but there were as many as 15 artifacts that could qualify as outliers on the high side of the length distribution in the Lake Koshkonong assemblage. A t-test indicated that the Lake Koshkonong artifacts had a shorter mean length than the Lake Nokomis artifacts, even with the 15 artifacts that were outliers. There is no natural break point in the data, and the distribution length is not bimodal at any scale. Additionally, removal of these longer Type IV artifacts only served to exaggerate the differences between the two assemblages, and they do not appear to be culturally or morphologically different from the smaller Type IV artifacts. Since there was no reasonable justification for removing them, they were left in.

The 16-millimeter difference in mean length between the two straight rod-Type IV artifact assemblages is statistically significant ( $t = -3.177$ ,  $df = 277$ ,  $p = 0.002$ ) (Table 6.56). This difference is likely a result of more liberal use of copper at Lake Nokomis rather than a difference in function or conscious stylistic decisions for these objects. The other dimensions reflect a similar trend (Table 6.57). Both the width and thickness means are more than one

millimeter larger in the Lake Nokomis assemblage than they are in the Lake Koshkonong assemblage. Again, while this small absolute difference is not likely to reflect a conscious manufacturing decision or different intended use for these artifacts, it does reveal that more copper was used to make straight rods at Lake Nokomis. The weight measure suggests the same, the difference in means is about 4 grams. While this is a small absolute amount of material, it is nearly 80% the average weight of a Lake Koshkonong straight rod-Type IV artifact. On average, Lake Nokomis straight rod-Type IV artifacts were almost twice as heavy. While the ranges for each of these dimensions overlap (Figure 6.27), the consistent aggregate difference suggests a difference in straight rod Type IV artifact manufacturing habitus between the two localities. Figure 6.28 illustrates the difference between the average straight rod-Type IV artifacts from each locality.

Table 6.56. Descriptive and summary statistics of the length of straight rod Type IV artifacts in the study assemblage.

| <b>Length</b>      | <b>Lake Koshkonong (mm)</b> | <b>Lake Nokomis (mm)</b> |
|--------------------|-----------------------------|--------------------------|
| Observations       | 236                         | 43                       |
| Minimum            | 20.38                       | 35.13                    |
| Maximum            | 198.4                       | 169                      |
| Mean               | 62.26                       | 78.52                    |
| Standard Deviation | 29.79                       | 36.3                     |

Table 6.57. Comparative metrics for Straight Rod Type IV artifacts from the two study assemblages.

| <b>Dimension</b> | <b>Lake Koshkonong<br/>Mean, N</b> | <b>Lake Nokomis<br/>Mean, N</b> | <b>t-test value, p-value</b> |
|------------------|------------------------------------|---------------------------------|------------------------------|
| Width            | 4.58 mm, n = 236                   | 5.77 mm, n = 43                 | -5.96, p = <0.0001           |
| Thickness        | 3.79 mm, n = 236                   | 4.67 mm, n = 43                 | -4.80, p = <0.0001           |
| Weight           | 5.16 g, n = 235                    | 9.08 g, n = 43                  | -3.93, p = 0.000             |

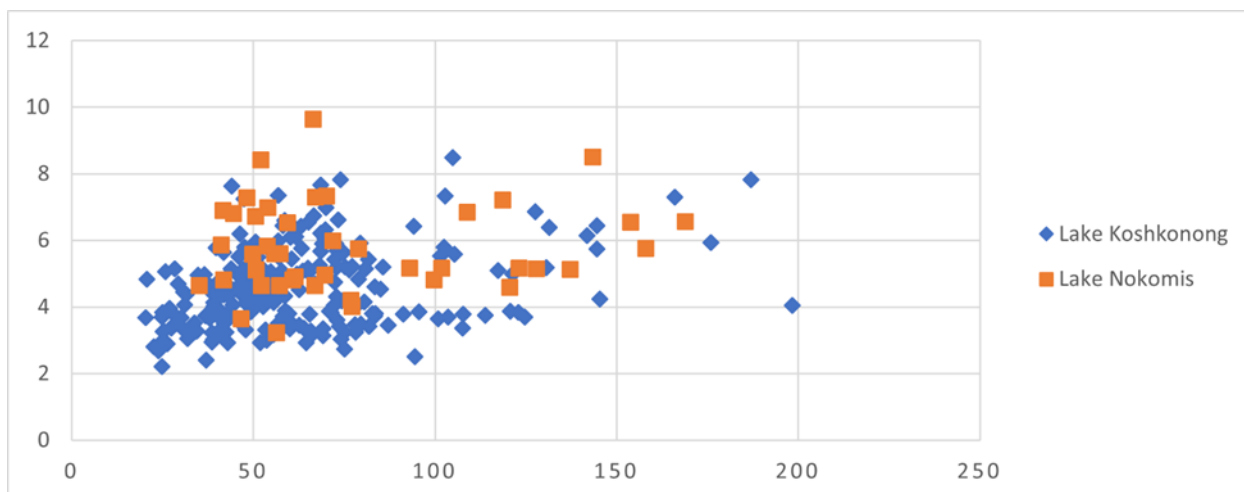


Figure 6.27. Bi-Plot of length and width of straight rod Type IV artifacts from both study localities.

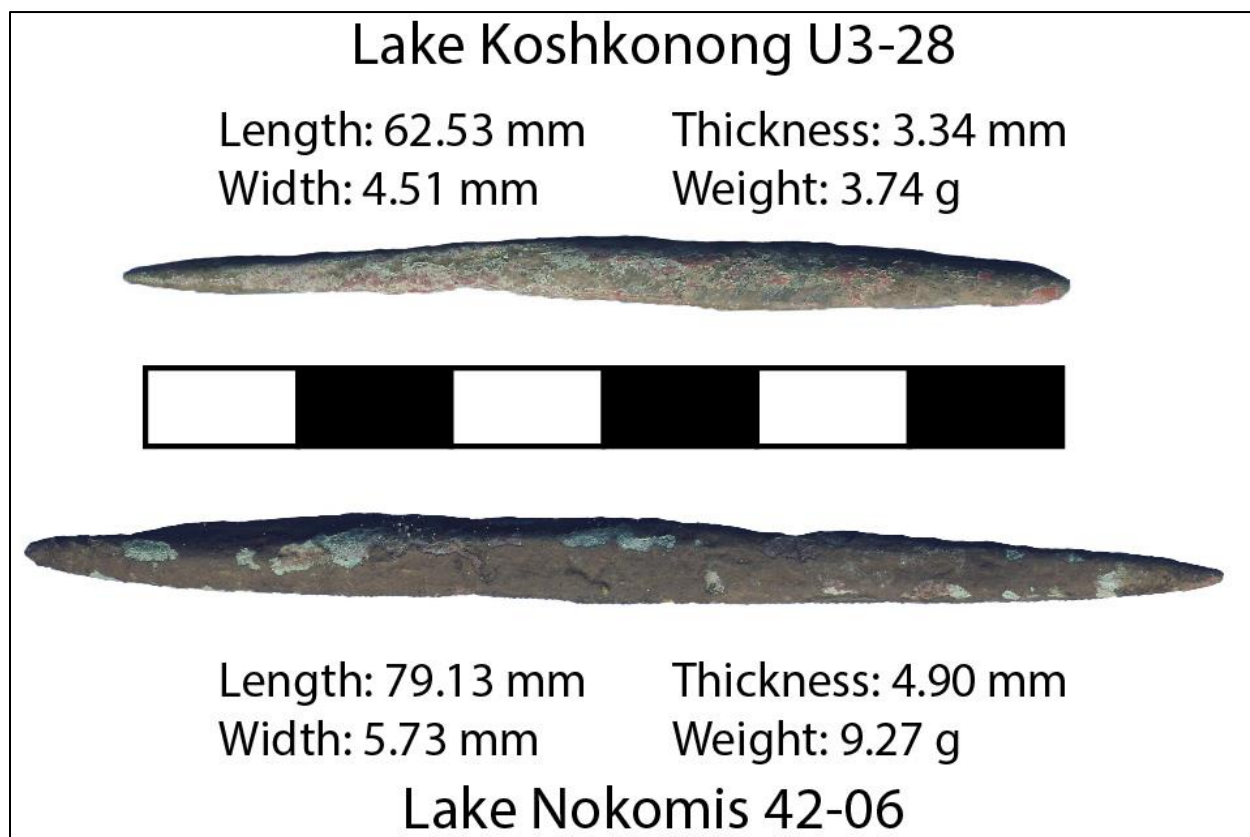


Figure 6.28. Type IV artifacts exhibiting mean size dimensions from each of the study localities.

#### 6.3.1.2 Sub-Triangular Type IV Artifact Comparison

Sub-triangular Type IV artifacts are built with a sub-triangular shaped functional element shape, meaning they widen significantly near the middle, they are generally symmetrical and usually have a rectangular cross-section. There were 37 of these artifacts in the Lake Nokomis



assemblage and 27 of them in the Lake Koshkonong assemblage, which is a significant proportional difference. The Lake Nokomis sample makes up 44% of the Type IV artifact sample from that locality, while the Lake Koshkonong sample makes up only 8% of its Type IV artifact assemblage (Table 6.58).

Table 6.58. Distribution of sub-triangular Type IV artifacts in assemblages from each locality.

|  | <b>Lake Koshkonong</b> |                | <b>Lake Nokomis</b> |                |
|--|------------------------|----------------|---------------------|----------------|
| Type IV - Sub-Triangular               | 20                     | Percent of row | 27                  | Percent of row |
| Locality Type IV                       | 336                    | 8%             | 85                  | 44%            |
| Locality Assemblage                    | 683                    | 4%             | 317                 | 12%            |
| $X^2 (1, N = 421) = 3.841, p < 0.0001$ |                        |                |                     |                |

Other morphological attributes including proximal shape, proximal cross-section and proximal morphology varied from one artifact to another (Table 6.59). The proximal shape of these artifacts was most often sub-triangular, as might be expected, but the Lake Nokomis assemblage also had 6 examples with a tabular proximal shape, while the Lake Koshkonong assemblage had no tabular proximal ends. The Lake Nokomis assemblage also had a single specimen with a hook on the proximal end. Rod shaped proximal ends were more common proportionally in the Lake Koshkonong assemblage than the Lake Nokomis assemblage. Generally, the proximal cross-section of these artifacts was rectangular, though there was a small proportion of each that had square cross-sections. The proximal morphology of the tabular shaped artifacts is always round, but pointed and round ends are relatively evenly dispersed among the other proximal shapes. Overall, the majority of proximal morphologies were round at both localities. There is a single example of a flat proximal end in the Lake Nokomis assemblage.

Table 6.59. Proximal morphological variation in sub-triangular Type IV artifacts from the two study localities.

| Proximal Shape   | Lake Koshkonong |             | Lake Nokomis |             |
|--|-----------------|-------------|--------------|-------------|
| Hook   | 0               | 0%          | 1            | 3%          |
| Rod  | 6               | 23%         | 3            | 8%          |
| Sub-Triangular   | 20              | 77%         | 27           | 73%         |
| Tab  | 0               | 0%          | 6            | 16%         |
| <b>Totals</b>  | <b>26</b>       | <b>100%</b> | <b>37</b>    | <b>100%</b> |
| Proximal Cross-section                                     |                 |             |              |             |
| Rectangular  | 22              | 85%         | 34           | 92%         |
| Square   | 4               | 15%         | 3            | 8%          |
| <b>Totals</b>  | <b>26</b>       | <b>100%</b> | <b>37</b>    | <b>100%</b> |
| Proximal Morphology - $X^2$ (3, N = 63) = 7.346, p = 0.062 |                 |             |              |             |
| Flat   | 0               | 0%          | 1            | 3%          |
| Pointed  | 9               | 36%         | 10           | 28%         |
| Rounded  | 16              | 64%         | 25           | 69%         |
| <b>Totals</b>  | <b>25</b>       | <b>100%</b> | <b>36</b>    | <b>100%</b> |

Sub-triangular shaped Type IV artifacts are an interesting case for several reasons. First, they are far more numerous proportionally in the Lake Nokomis assemblage (n=37, 12%) than the Lake Koshkonong assemblage (n=27, 3%). Second, there is no statistical difference in the mean of the length between the two locality assemblages. While this sample of Lake Nokomis sub-triangular Type IV artifacts are 3.63-millimeter longer in mean length, this difference between the assemblages is not significant. The differences in both thickness and weight are statistically significant suggesting that there is some difference between the assemblages along those dimensions (Table 6.60). The real-world difference in mean thickness is only 0.56 mm and the difference in mean weight is only 2.68 g. While these differences are not large in absolute terms, they likely represent a real, though unconscious difference in manufacturing habitus. Finally, the dimension of width is very significantly different in the two assemblages (Table 6.60). Mean width of sub-triangular Type-IV artifacts at Lake Koshkonong is 6.42 millimeters, while at Lake Nokomis the mean is 8.93 millimeters. This difference is particularly intriguing because this sub-type of the Type-IV artifact class is defined by a noticeably wider middle, which creates a sub-triangular shape, usually for both the distal and proximal ends. While the

2.51-millimeter difference may not seem large at the human scale, it does reflect a difference in design between the two localities. This difference is illustrated by Figure 6.29 which juxtaposes average sized sub-triangular shaped Type IV artifacts from both localities. Note the more formalized angular shape of the Lake Nokomis example.

Table 6.60. Results of metric analysis of sub-triangular Type IV artifacts from the two study assemblages.

| <b>Dimension</b> | <b>Lake Koshkonong<br/>Mean, N</b> | <b>Lake Nokomis<br/>Mean, N</b> | <b>t-test value, p-value</b> |
|------------------|------------------------------------|---------------------------------|------------------------------|
| Length           | 65.28 mm, n = 24                   | 68.91 mm, n = 36                | -0.71, p = 0.486             |
| Width            | 6.42 mm, n = 24                    | 8.93 mm, n = 36                 | -4.74, p = <0.0001           |
| Thickness        | 3.47 mm, n = 24                    | 4.03 mm, n = 36                 | -2.02, p = 0.048             |
| Weight           | 6.02 g, n = 24                     | 8.70 g, n = 36                  | -2.07, p = 0.043             |

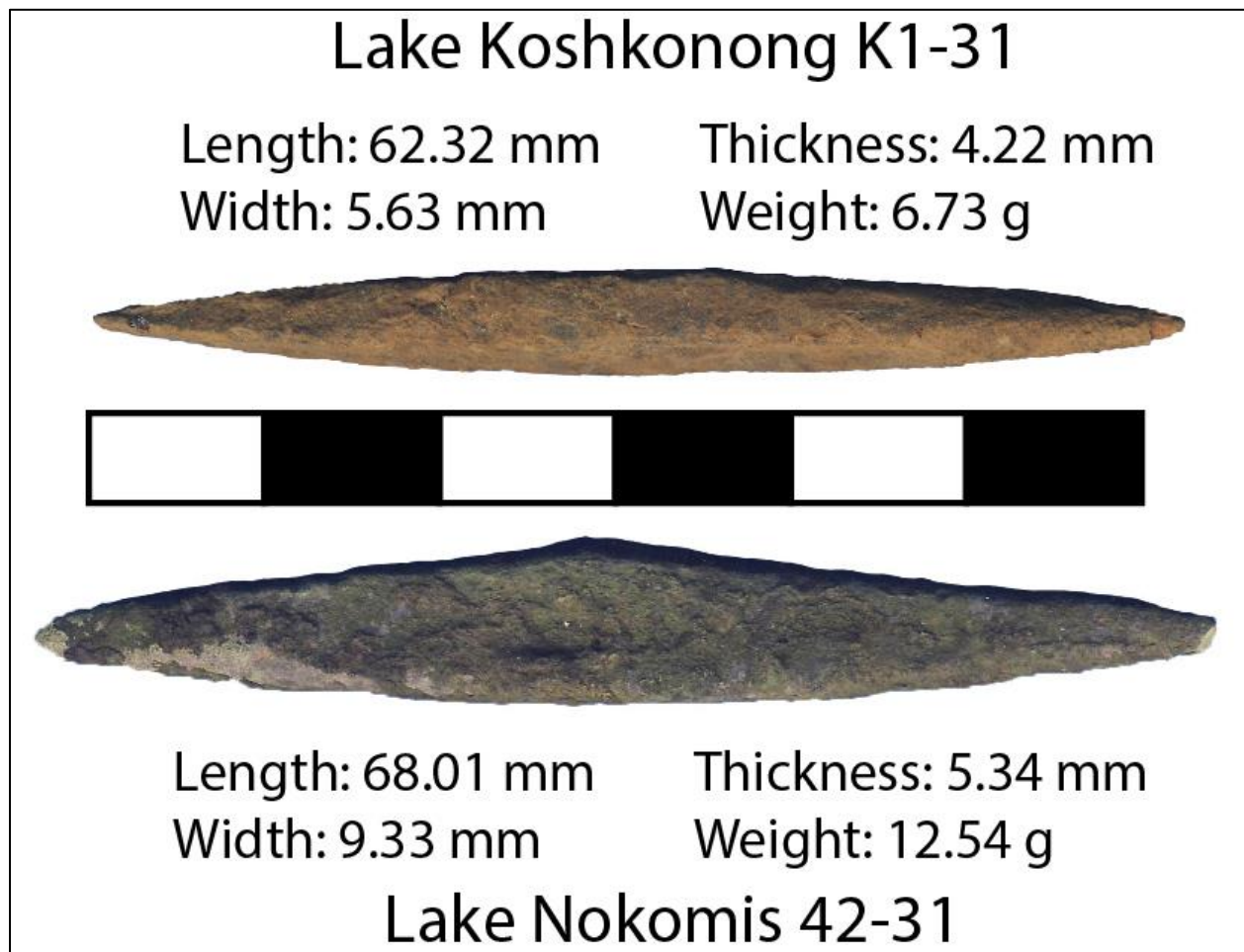


Figure 6.29. Examples of Sub-Triangular (Functional Element) Type IV artifacts with metrics near the mean for each locality.

### 6.3.2 *Type VII (Fish hook) Comparison*

Fish hooks were the second most common artifact type at Lake Koshkonong (N = 118), while there were only three examples of these in the Lake Nokomis assemblage. These tools are basically bent rod-shaped. There are two differences between these tools and the straight rod tools described above. The first is that they are curved greater than 90° and the second is that they are nearly 2 millimeters thinner on average ( $t = 13.097$ ,  $df = 234$ ,  $p = <0.0001$ ) than the straight rods from Lake Koshkonong. Fish hooks generally had round cross-sections (79%), though some were square, and had several different proximal shapes that include loops, grooves, straight and curved rods, hooks, and one bulb.

The three lonely fish hooks from Lake Nokomis tell a different story. Two of the three have a thickness matching that of the Lake Nokomis straight rods; the third is thinner. These three fishhooks from Lake Nokomis are larger on average than the 118 from Lake Koshkonong. However, concluding that fishhooks in general are larger near Lake Nokomis with any certainty would require a larger sample from that location. Far more important is the fact that there are virtually no fishhooks at Lake Nokomis. The lack of fish hooks in the Lake Nokomis assemblage suggests that they were not an integral part of the copper manufacturing habitus in that community. This is contrasted by the specialization evident in fish hook designs in the Lake Koshkonong assemblage.

Lake Koshkonong fishhooks can be split into at least four different morphological configurations based almost entirely on the shape of the medial and distal bend in the rod. These shapes are analogous to modern fishhooks designed for different species and environments. They include the typical J-shaped hook, a Circle hook, a Kahle hook, and a Gaff hook (Figure 6.30, Figure 6.31). J-shaped hooks have a straight shank and a single 180° bend to form a narrow

gape. Hooks making up a subset of this type are defined as being very small (about 25 millimeters long) with a grooved proximal end. These are similar to modern Aberdeen hooks, designed to hold live bait for as long as possible. The other three types of hooks generally have two distinct bends. Circle hooks have a curved shank and base bend, a wide gape, and the distal end point is bent past 180° so that it is pointing at the shank. These hooks are designed to set in the corner of a fish's mouth, rather than being swallowed, making it easier to capture them alive and keep them alive as long as possible. The Kahle hook is another wide gape hook but is designed for maximum fish catching efficacy. This hook has a straight shank, and straight base bend, the first bend is greater than 90 degrees so that the shank leans over the bend. The second bend is less than 90 degrees so that the point does not point back at the shank. The more open gape allows for maximum opportunity to catch a fish, as opposed to circle hooks, where one may trade missing a few fish for predictably keeping the ones you catch alive longer. The Gaff hook is designed with a straight shank and straight bend base. The initial bend is about 90 degrees and the second bend is very slight. These hooks are designed to be tied to a shaft with other similarly built hooks and used for spearing fish rather than line fishing.

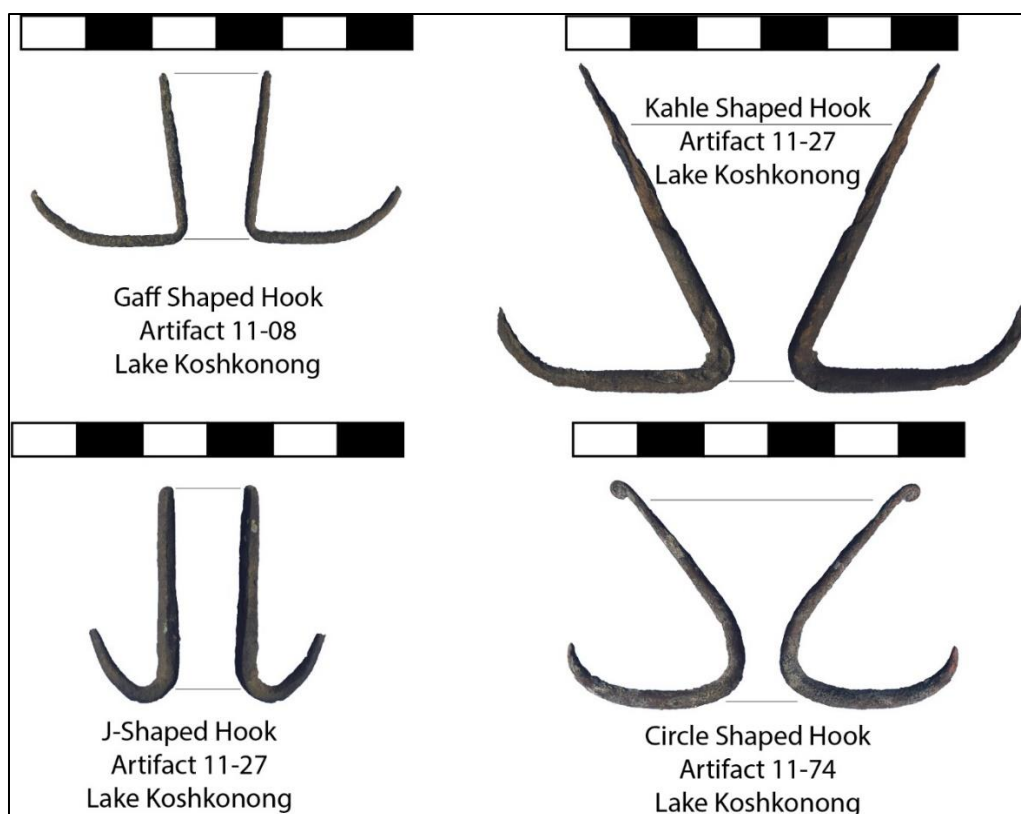


Figure 6.30. Four types of fish hooks found in the Lake Koshkonong assemblage.

The distribution of these morphologies at Lake Koshkonong is relatively even (Table 6.61). There were many instances where critical morphologies were missing so that the more exact shape could not be discerned with certainty. For example, if the distal end of a hook was missing, but the medial bend was relatively tight there is no way to tell the difference between a J-shaped hook or a Kahle hook, these were lumped together into the “J or K” category for reporting purposes.

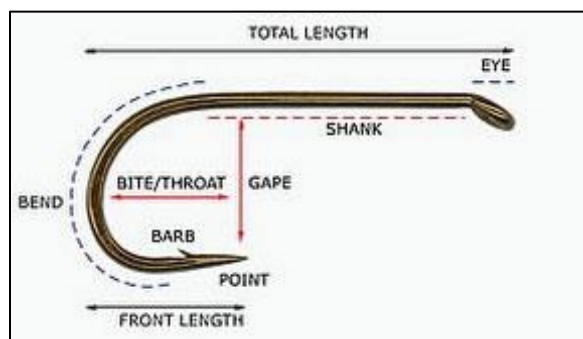


Figure 6.31. Morphology of a fish hook.

Table 6.61. Distribution of fish hook morphology in the study assemblage.

|             | Lake Koshkonong |         | Lake Nokomis |         | Totals |         |
|-------------|-----------------|---------|--------------|---------|--------|---------|
| Circle      | 19              | 16.10%  | 0            | 0.00%   | 19     | 15.70%  |
| Curvate Rod | 5               | 4.24%   | 0            | 0.00%   | 5      | 4.13%   |
| Gaff        | 15              | 12.71%  | 0            | 0.00%   | 15     | 12.40%  |
| J-Shaped    | 35              | 29.66%  | 3            | 100.00% | 38     | 31.40%  |
| J or K      | 1               | 0.85%   | 0            | 0.00%   | 1      | 0.83%   |
| Kahle       | 18              | 15.25%  | 0            | 0.00%   | 18     | 14.88%  |
| K or G      | 25              | 21.19%  | 0            | 0.00%   | 25     | 20.66%  |
|             | 118             | 100.00% | 3            | 100.00% | 121    | 100.00% |

### 6.3.3 *Type I Projectile Point Comparison*

Projectile points are a difficult lot to define morphologically. A wide variety of morphologies were used to construct copper projectile points in prehistory, as evidenced by the 16 different types defined by Wittry(1950, see Figure 6.38). Broadly, Wittry's projectile point types are still relatively useful categories even given an increase in specimens and increased scrutiny of the type definitions.

Projectile point morphological combinations are too complex for meaningful comparison without further subdivision. Projectile points may have a point or a blade, they may be pointed, rounded or blunt at the distal end, they may have an edge or not, they are symmetrical, unless they are harpoons, which were uncommon in these assemblages. They may have any number of arrangements of functional element cross-sections and shapes and may be socketed, tanged, or have some other type of haft at the proximal end. The basic morphological requirements for non-harpoon projectile points seem to be that they are roughly symmetrical, they have some form of hafting element, and they are designed to penetrate a target material, whether by having an edge or a point or both.

For this analysis several morphological distinctions will be made within the larger projectile point assemblage. The Lake Koshkonong assemblage has a total of 128 projectile points, making up 19% of the total artifacts from that locality. The Lake Nokomis assemblage

has 137 projectile points, making up 44% of the total artifacts from that locality. The largest sub-type by far within this group are the conical points (n=108) making up 84% of the Lake Koshkonong projectile point assemblage and 74% of the Lake Nokomis assemblage (n = 101). The other projectile points (n = 20 at Lake Koshkonong, and n = 36 at Lake Nokomis) have blades and most of them fit one or another of Wittry's non-conical types. For the following analysis the conical points will be addressed first, then the bladed points will be compared as a group, then the artifacts that roughly fit Wittry's Type I-A will be compared directly.

#### *6.3.3.1 Type I-L/O/N (Conical Point) Comparison*

Conical points are common in the assemblages from both localities. They are the most common tool type in the Lake Nokomis assemblage and third most common type in the Lake Koshkonong assemblage. Conical points are a relatively simple tool morphologically, especially when compared to other types of projectile points. They are mostly symmetrical, pointed projectile points with a solid non-bladed distal end and a socketed hafting element. Generally, they have a triangular or sub-triangular functional element shape. Several morphological attributes can vary from specimen to specimen. These include the cross-sections of the distal and proximal ends and the proximal morphology of the socket. Some of these morphologies grade into one another, even within the same specimen. For example, a round proximal cross-section often grades to a square or rectangular distal cross-section. Even square distal cross-sections usually become more and more round nearer to the distal tip.

In Wittry's typology, conical points are labeled Types L, N and O, based on various perceived differences in socket length and cross-section. However, while analyzing the Bussey Collection it became clear that no distinction between these types could be employed



systematically, as neither their drawings nor written definitions were mutually exclusive. They have therefore been combined for this analysis.

The distal end of Lake Koshkonong conical points generally has an angular (square or rectangular) cross-section (70% of Lake Koshkonong conical points), though a significant minority proportion of them have a round cross-section (30%). The socket cross-section is either angular or round but is most often angular (60%) in the Lake Koshkonong assemblage. The proximal morphology of the sockets is most often pointed (44%) for Lake Koshkonong conical points, though a sizable minority proportion are flat (34%) or rounded (22%).

The functional element cross-section in Lake Nokomis conical points can be angular (74%), round (24%) or sheet (2%). The two sheet shaped cross-sections are broad and relatively thin with distinctly blunt edges. Proximal cross-sections of the socket for this tool type include angular (33%), and round (64%). The proximal morphology of the sockets in the Lake Nokomis assemblage conical points are most often flat (66%), though pointed (19%), or rounded (13%) ends occurred regularly as well.

A number of morphological comparisons can be made between these two assemblages. It is clear that the different types of functional element cross-sections were distributed about equally at the two localities (Figure 6.32). Both had angular cross-sections in about the 70% range. However, the proximal or socket cross-section shapes were distributed in reverse at the two localities (Figure 6.33). About 60% of Lake Koshkonong conicals had angular sockets, while about the same proportion of Lake Nokomis conicals had round sockets.

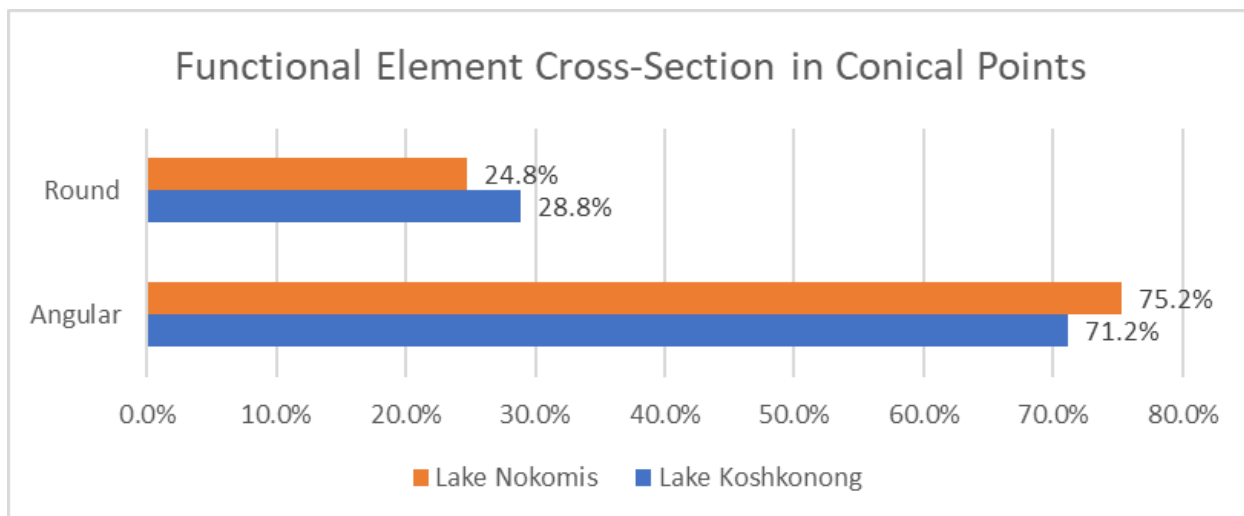


Figure 6.32. Distribution of Functional Element Cross-Section shapes in Conical Points.

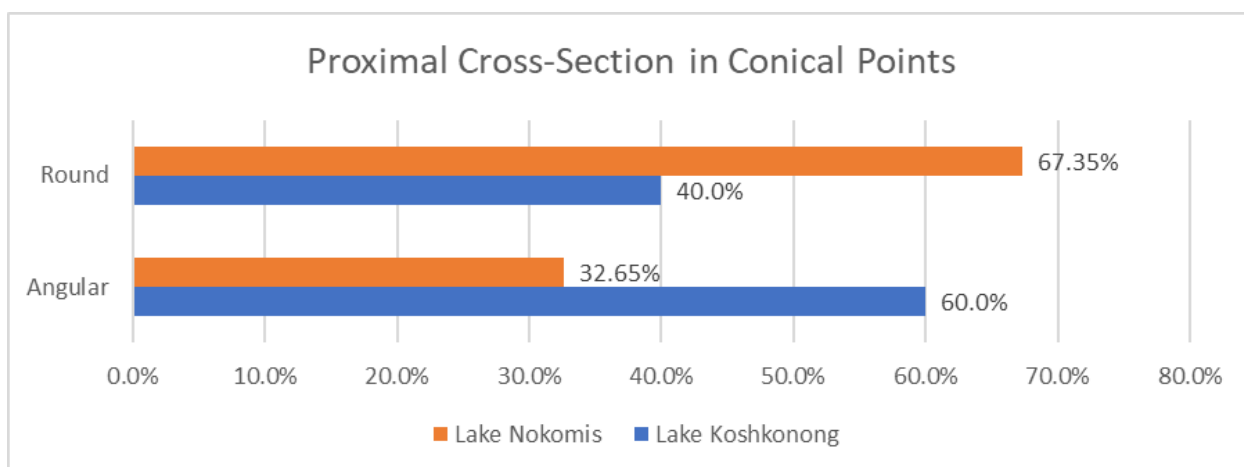


Figure 6.33. Distribution of Proximal Cross-Section Shapes in Conical Points.

The cross-section of these tools does not always stay consistent from the distal to the proximal end (Table 6.62), an important divergence from how these points are portrayed in Wittry's typology (1951:11). One subtle difference between these two assemblages is illustrated in Table 6.62 which tabulates the number of artifacts with consistent or changing cross-sections. In the Lake Nokomis assemblage, conical points with round distal cross-sections tend to also have round cross-sections on their proximal ends (96%), creating a truly conical point. In contrast, round distal cross-sections are relatively evenly split between angular and round sockets in the Lake Koshkonong assemblage. Despite the statistical difference in distribution Shannon

and Simpson's diversity indices analyzing this data indicate that the two assemblages are very similar in terms of diversity and evenness (Table 6.63).

Table 6.62. Distribution of cross-sections in conical points from the two study localities.

| Functional Element – Proximal Element | Lake Koshkonong |             | Lake Nokomis |             |
|---------------------------------------|-----------------|-------------|--------------|-------------|
|                                       | Count           | Proportion  | Count        | Proportion  |
| Rectangular – Angular                 | 33              | 35%         | 24           | 24%         |
| Rectangular – Round                   | 13              | 14%         | 32           | 33%         |
| Round – Angular                       | 11              | 12%         | 1            | 1%          |
| Round – Round                         | 18              | 19%         | 23           | 23%         |
| Square – Angular                      | 12              | 13%         | 7            | 7%          |
| Square Round                          | 7               | 7%          | 12           | 12%         |
| <b>Totals</b>                         | <b>94</b>       | <b>100%</b> | <b>99</b>    | <b>100%</b> |

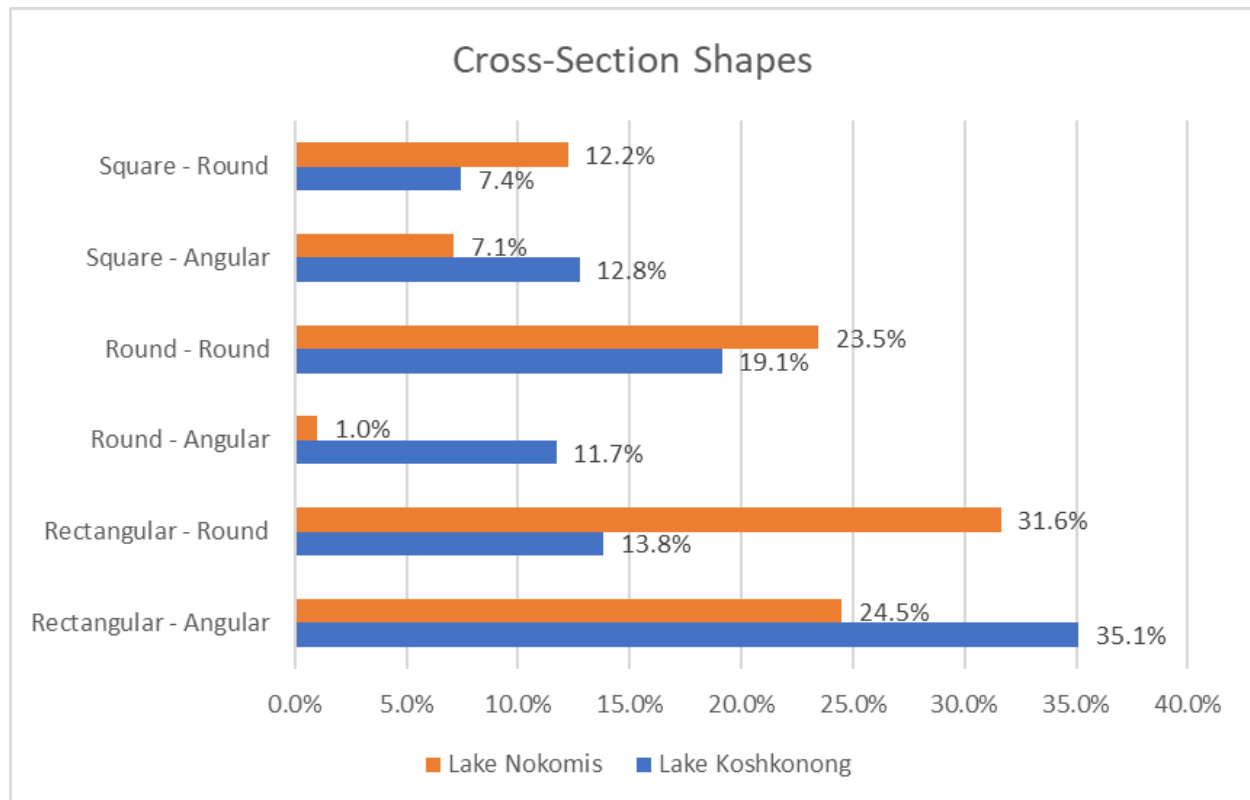


Figure 6.34. Incidence of Functional Element Shapes and Proximal Element Shapes in the same conical points.

Table 6.63. Results of diversity indices for distribution of cross-sections in conical points from two study locality assemblages.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 1.66            | 1.54         |
| Evenness                         | 0.929           | 0.858        |
| Simpson's Diversity Index (1-D)  | 0.79            | 0.77         |
| Simpson's Reciprocal Index (1/D) | 4.85            | 4.36         |

Proximal morphology of conical points is also distributed significantly differently in the two study locality assemblages. A chi-squared analysis of the distribution (Table 6.64) of flat, pointed, and rounded proximal ends indicates that there were more flat ends in the Lake Nokomis assemblage and more pointed ends in the Lake Koshkonong assemblage than would be expected given a random distribution (Figure 6.35). This indicates a real difference in design choice, or the habitus of conical point manufacture between these two copper-using communities.

Table 6.64. Distribution of proximal morphologies in conical points at the two study localities.

|         | Lake Koshkonong |             | Lake Nokomis |             | Totals     |             |
|---------|-----------------|-------------|--------------|-------------|------------|-------------|
| Flat    | 32              | 34%         | 66           | 66%         | 98         | 51%         |
| Pointed | 41              | 44%         | 20           | 20%         | 61         | 31%         |
| Rounded | 21              | 22%         | 14           | 14%         | 35         | 18%         |
|         | <b>94</b>       | <b>100%</b> | <b>100</b>   | <b>100%</b> | <b>194</b> | <b>100%</b> |

$X^2 (2, N = 194) = 20.259, p < 0.0001$

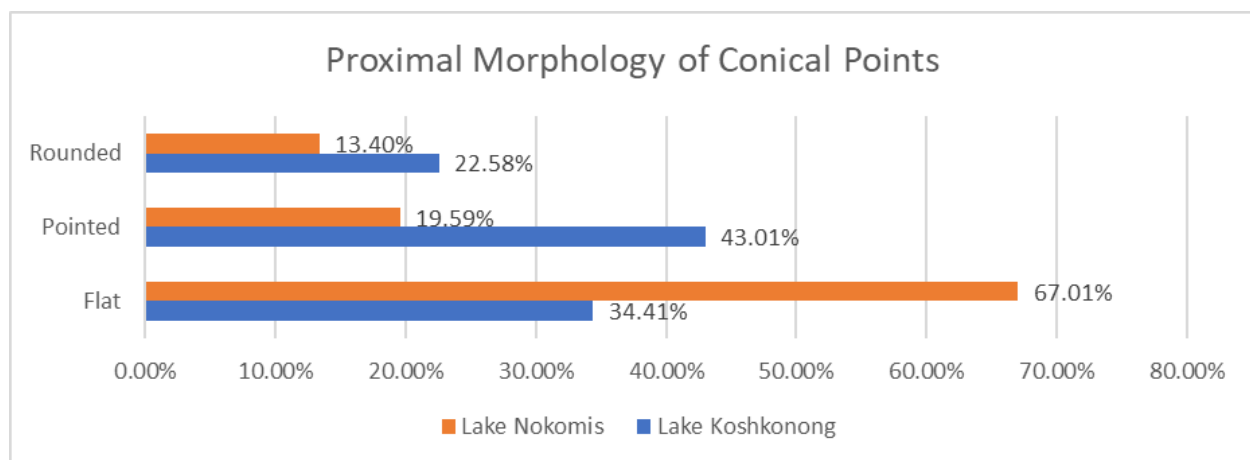


Figure 6.35. Distribution of Proximal Morphology in conical points.

The metric comparison of this type of copper artifact can only incorporate whole tools. The study assemblage had 92 whole conical points from Lake Koshkonong and 95 whole conical points from Lake Nokomis. One large outlier was removed from the Lake Koshkonong assemblage and two large outliers were removed from the Lake Nokomis assemblage. Metric comparisons between these assemblages indicate that Lake Nokomis conical points are larger on

average in every dimension than Lake Koshkonong conical points (Table 6.65). Lake Nokomis conicals are 7.26 mm longer, 2.24 mm wider, 1.37 mm thicker, and 2.91 g heavier than Lake Koshkonong conicals. Again, these differences are quite small on the macro-scale and probably do not represent a difference in technology, function, or even conscious choice about the manufacture of conical points. Rather they are small differences that are likely indicative of long-term, habitual trends in manufacturing practices. Average sized conical points from each of the study localities are illustrated in Figure 6.36.

Table 6.65. T-test results for conical point metrics in the two study assemblages.

| <b>Conical Points<br/>Dimension</b> | <b>Lake Koshkonong<br/>Mean, N</b> | <b>Lake Nokomis<br/>Mean, N</b> | <b>t-test value, p-value</b> |
|-------------------------------------|------------------------------------|---------------------------------|------------------------------|
| Length                              | 45.46 mm, n = 91                   | 52.72 mm, n = 93                | -2.60, p = 0.010             |
| Width                               | 9.46 mm, n = 91                    | 11.72 mm, n = 93                | -4.69, p = <0.0001           |
| Thickness                           | 6.65 mm, n = 91                    | 8.02 mm, n = 93                 | -3.74, p = 0.000             |
| Weight                              | 6.64 g, n = 91                     | 9.55 g, n = 92                  | -2.94, p = 0.009             |



Figure 6.36. Examples of typical conical points from each locality.

#### 6.3.3.2 Type I – Bladed Projectile Points

Bladed projectile points are less common in the study assemblage than any of the other major tool types that the two study localities had in common. There are 18 bladed projectile points in the analyzed sample of the Lake Koshkonong assemblage. Twelve of these projectile points can be fit into Wittry's Type I-A category, while the other six could not be fit into any of Wittry's bladed projectile point categories. These six artifacts are bladed projectile points, but do

not meet even the broadest definition of any of the 16 defined types in Wittry's classification. The Lake Nokomis assemblage has 33 bladed projectile points. Only three can be classified as Wittry's Type I-A, the remainder are distributed across eight of Wittry's other projectile point sub-types (Table 6.66). Additionally, The Lake Nokomis assemblage has nine bladed projectile points that do not fit any defined category. The difference between these distributions is significant. The number of examples of each category is too small for a chi-squared analysis, but the diversity indices indicate that the Lake Nokomis assemblage is much more diverse than the Lake Koshkonong assemblage (Table 6.67).

Table 6.66. Distribution of bladed projectile point morphologies using Wittry's typology.

| Wittry Types  | Lake Koshkonong |             | Lake Nokomis |             | Totals    |             |
|---------------|-----------------|-------------|--------------|-------------|-----------|-------------|
| I             | 6               | 33%         | 9            | 27%         | 18        | 32%         |
| I-A           | 5               | 28%         | 3            | 9%          | 8         | 14%         |
| I-A1          | 5               | 28%         | 0            | 0%          | 5         | 9%          |
| I-A2          | 2               | 11%         | 0            | 0%          | 2         | 4%          |
| I-B           | 0               | 0%          | 3            | 9%          | 3         | 5%          |
| I-C           | 0               | 0%          | 1            | 3%          | 1         | 2%          |
| I-D2          | 0               | 0%          | 2            | 6%          | 2         | 4%          |
| I-E           | 0               | 0%          | 1            | 3%          | 1         | 2%          |
| I-G1          | 0               | 0%          | 7            | 21%         | 7         | 13%         |
| I-G2          | 0               | 0%          | 2            | 6%          | 2         | 4%          |
| I-H           | 0               | 0%          | 5            | 15%         | 5         | 9%          |
| <b>Totals</b> | <b>18</b>       | <b>100%</b> | <b>33</b>    | <b>100%</b> | <b>56</b> | <b>100%</b> |

Table 6.67. Results of diversity analyses for blade projectile point types.

|                                  | Lake Koshkonong | Lake Nokomis |
|----------------------------------|-----------------|--------------|
| Shannon's Diversity Index        | 1.32            | 1.96         |
| Evenness                         | 0.954           | 0.891        |
| Simpson's Diversity Index (1-D)  | 0.76            | 0.86         |
| Simpson's Reciprocal Index (1/D) | 4.25            | 7.04         |

### 6.3.3.3 Comparison of Type I-A Projectile Points

Wittry's Type I-A projectile points are the most widely distributed style of copper projectile point (Fogel 1962; Steingbring 1975; Wittry 1951). The only morphological sub-type of projectile point that was found at both localities is the Type I-A. They have a pointed distal

morphology, are bladed, with two sharpened marginal edges, and have a socket used for hafting. They are always symmetrical in a map view, and the functional element is sub-triangular. Eleven of the twelve Type I-A projectile points have a triangular distal cross-section created by a medial ridge running from the proximal end along the dorsal surface of the socket and continuing unbroken down the dorsal surface of the functional element blade. The socketed proximal cross-section of Type I-A points is angular, rather than rounded for all 15 examples. The proximal morphology tends to be pointed, though seven of these artifacts (46%) have either a rounded or flat proximal end. These specific morphological characteristics are very consistent between the study localities. There is also no discernable difference in the mean metric measurements for each of the four basic dimensions in Type I-A projectile points. This is in spite of a clear clustering of two separate size groups, one larger and one smaller. The smaller group is also less formalized morphologically, missing details such as beveled edges and cut and ground shoulders that the larger Type I-A projectile points have. These two groups appear to come from very different manufacturing trajectories, though both groups are found at both localities.

There are twelve Type I-A points in the Lake Koshkonong assemblage and three in the Lake Nokomis assemblage. Given the smaller total in the Lake Nokomis assemblage, graphical comparison of their metric results is most appropriate (Figure 6.37). A bi-plot of length and width of the Type I-A projectile points illustrates that there are two different groups of Type I-A projectile points, one large and one small, while at the same time these two Type I-A assemblages do not have statistically different means in either length or width. The large and small groups are statistically different from one another based on T-test results in all dimensions save thickness (Table 6.68). These results suggest that there were two size groups within this



morphological type, and that both localities had examples of both size groups. Examples of both sizes from both localities are illustrated in Figure 6.38.

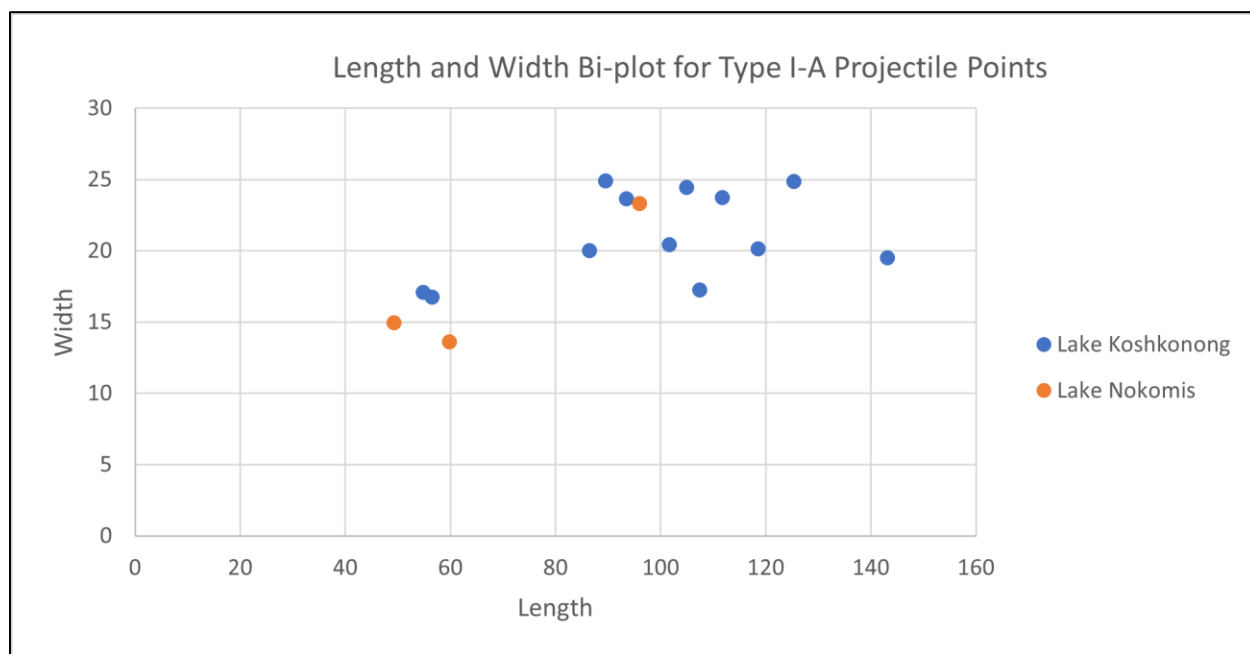


Figure 6.37. Bi-Plot of length and width for Type I-A bladed projectile points.

Table 6.68. T-test results for each dimension of the large and small Type I-A projectile points in the Bussey Collection.

| Type I-A Dimension | Small Group Mean, N | Large Group Mean, N | t-test value, p-value |
|--------------------|---------------------|---------------------|-----------------------|
| Length             | 55.13 mm, n = 4     | 107.12 mm, n = 11   | -5.94, p = <0.0001    |
| Width              | 15.59 mm, n = 4     | 22.03 mm, n = 11    | -4.54, p = 0.001      |
| Thickness          | 5.26 mm, n = 4      | 6.32 mm, n = 11     | -0.63, p = 0.538      |
| Weight             | 7.17 g, n = 4       | 31.32 g, n = 11     | -3.13, p = 0.008      |

More detailed measurements might have been devised for this type of projectile point, but those kinds of very specific measurements were ultimately beyond what was needed for the proposed research goal of discerning the structure of the Old Copper social network. Given the already high degree of metric variability, those types of measurements would also be likely to create more statistical noise than productive analysis. Photographs of each Type I-A projectile point are provided in Appendix F should those measurements be required by the reader.

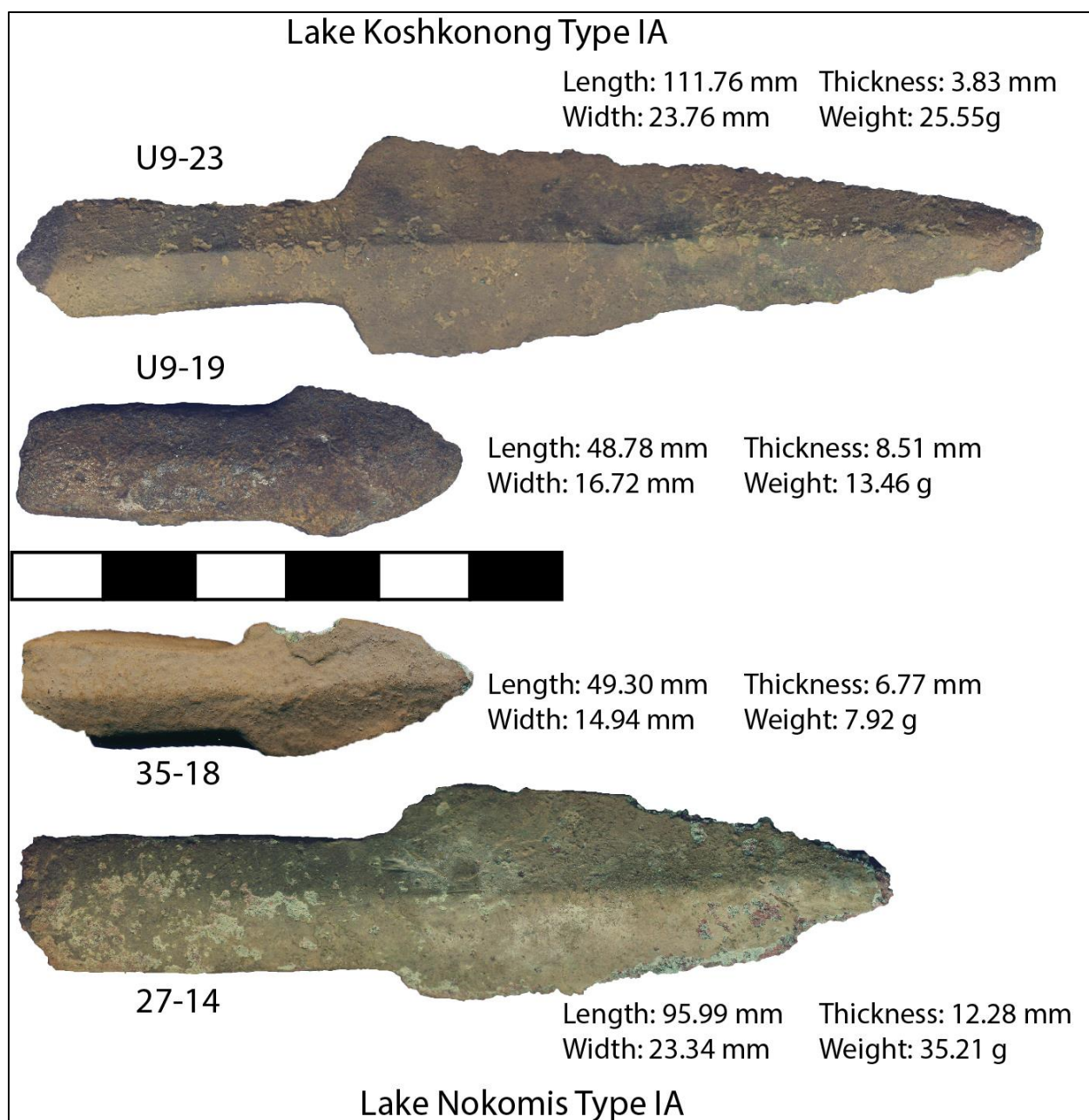
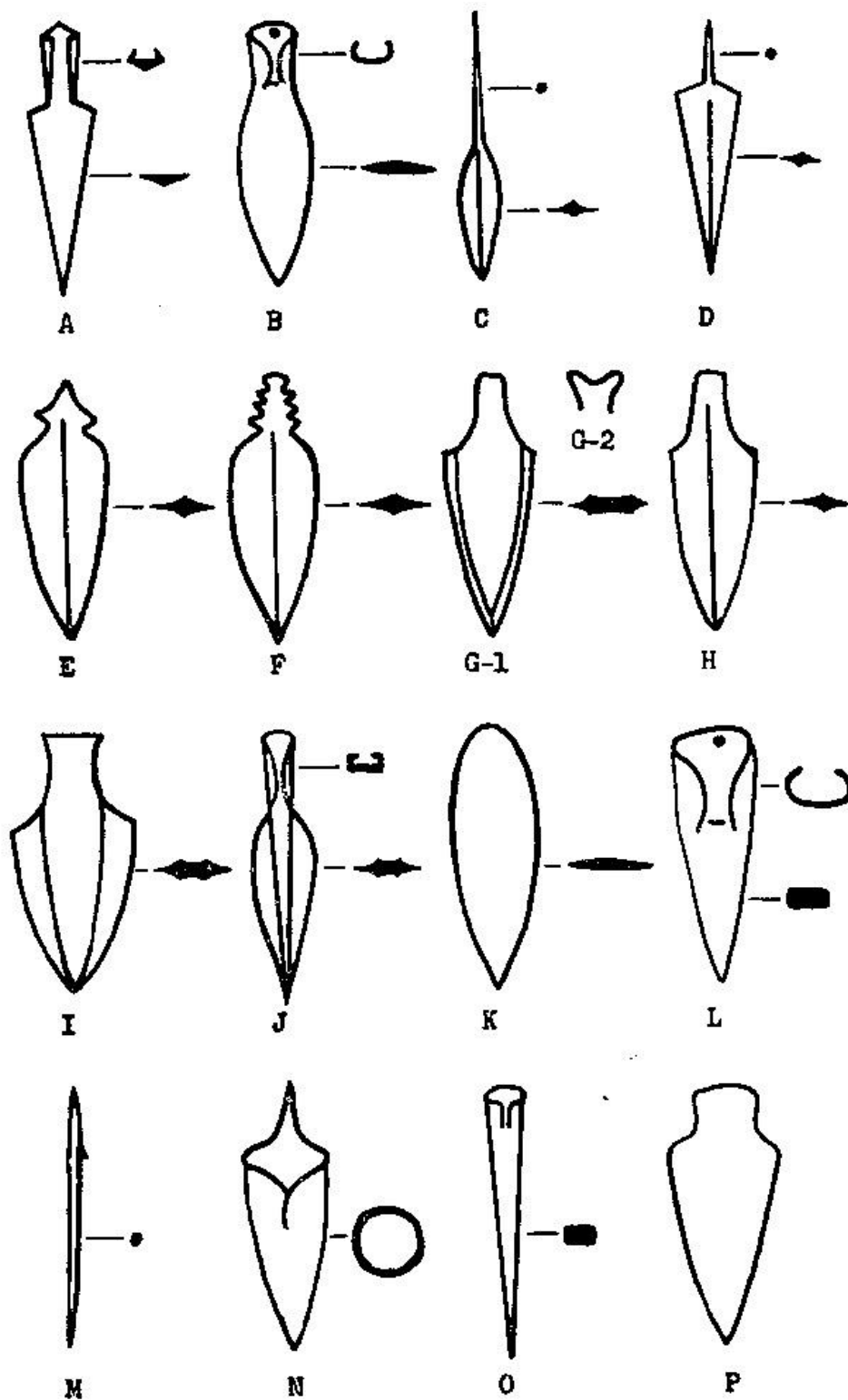


Figure 6.38. Examples of Type I-A Projectile points, Large and Small types.

#### 6.3.3.4 Other Bladed Projectile Point Types

The other bladed projectile points from Lake Nokomis require some discussion as well. Examples of eight of Wittry's projectile point types (Figure 6.39) were identified in the Lake Nokomis assemblage. The morphology of these projectile points varies widely.



#### GROUP I. PROJECTILE POINTS.

Figure 6.39. Wittry's Copper Projectile Point Types (Wittry 1951:11)

The three Type I-B points (Figure 6.40) are socketed and bladed (mostly) symmetrical points with a rounded sub-triangular or lanceolate shaped functional element. Their distal ends can be pointed (n = 2) or rounded (n = 1) and their proximal cross-section was either round (n = 1) or angular (n = 2). Metrically, these projectile points were on the shorter and thinner end of the overall projectile point ranges.



Figure 6.40. An example of the Type I-B projectile point.

There was a single Type I-C projectile point in the assemblage. This point is morphologically different from the Type I-B style due to a tanged rather than socketed proximal shape. Its distal end is lanceolate shaped and the distal morphology is rounded (Figure 6.41).



Figure 6.41. An example of the Type I-C projectile point.

There were two Type I-D2 projectile points in the Lake Nokomis assemblage (Figure 6.42). They have a distinctive diamond shaped functional element cross-section with a triangular shaped blade. They also have a tanged proximal end. These two projectile points were found as a part of a cache and did not have any evidence of use damage on them. There is some evidence of animal hair and other hyper-detailed contextual elements on these two artifacts.



Figure 6.42. An example of the Type I-D2 projectile point.



There was a single example of the Type I-E projectile points (Figure 6.43). The most distinctive feature of these points are barbs located at the shoulder or base of the blade. These barbs appear to be pounded in. The blade has a rounded distal end, is sub-triangular in shape, and has a triangular cross-section. The proximal end is a tang with a rectangular cross-section.



Figure 6.43. An example of the Type I-E projectile point.

The Type I-G sub-type was the most common bladed projectile point in the Lake Nokomis assemblage. The morphology of this type includes a symmetrical lanceolate or sub-triangular shaped blade with a biconvex cross-section and beveled edges. The proximal hafting element was a tang (Type I-G1 - Figure 6.44), though there were split tangs (Type I-G2 - Figure 6.45) and flared tangs along with the regular single tang. All hafting tangs had rectangular cross-sections. The distal morphology could be either pointed or rounded and the proximal morphology was dependent on the type of tang being used. This style of projectile point was probably the most consistently straightforward to classify using Wittry's typology.



Figure 6.44. An example of the Type I-G1 projectile point.



Figure 6.45. An example of the Type I-G2 projectile point.

There were also five Type I-H projectile points (Figure 6.46). These points are very simple morphologically. They have a tang of some kind, spreading into a blade that has been flattened out from the tang. Functional element cross-sections were either biconvex ( $n=3$ ) or triangular ( $n=2$ ) and functional element shapes were either lanceolate ( $n = 4$ ) or sub-triangular ( $n=1$ ). In general, there was not much formalization of style going into these points and therefore this category can contain a broad amount of morphological variation.



Figure 6.46. An example of the Type I-H projectile point.

For the metric analysis, the bladed projectile points that were incomplete in one dimension or another and were removed from the appropriate statistical analysis. Comparison of the broadly grouped bladed projectile point assemblages indicates that there is no difference in the mean measurements of any of the four basic dimensions (Table 6.69). Strikingly, the Lake Koshkonong mean length and thickness are both larger than the Lake Nokomis means. This is one of the few instances of that occurrence.

Table 6.69. T-test results for bladed projectile point metrics in the two study assemblages.

| <b>Conical Points<br/>Dimension</b> | <b>Lake Koshkonong<br/>Mean, N</b> | <b>Lake Nokomis<br/>Mean, N</b> | <b>t-test value, p-value</b> |
|-------------------------------------|------------------------------------|---------------------------------|------------------------------|
| Length                              | 84.37 mm, n = 18                   | 79.31 mm, n = 29                | 0.536, p = 0.595             |
| Width                               | 19.25 mm, n = 18                   | 21.30 mm, n = 33                | -1.016, p = 0.315            |
| Thickness                           | 5.33 mm, n = 18                    | 4.90 mm, n = 33                 | 0.571, p = 0.570             |
| Weight                              | 22.04 g, n = 18                    | 23.50 g, n = 29                 | -0.219, p = 0.828            |



#### 6.3.4 Type II (Knife) Morphology

Morphologically, knives are one of the more complex tool types in the study assemblage. In experimental production, this type of tool takes two or three times the number of hammer and anneal cycles to produce than simpler tools like straight rods or conical points (Peterson 2003). Knives are morphologically distinguished from other tools by being asymmetrical, with a bladed distal end and a proximal hafting element of some kind. This leaves a relatively large amount of possible morphological variation to fit into this open-ended classification.

The functional element shape is an important and visually distinctive characteristic of this tool. The most common shapes are blunted crescent, semi-circular, and subtriangular, though five other shapes were recorded as well (Table 6.70). A chi-squared analysis of the distribution of this data between the two study localities was organized into the following categories: blunted crescents, sub-triangular, and others. It indicates that there is not a significant difference between the two localities. However, a look at the proportional data seems to suggest that sub-triangular knives were more common at Lake Nokomis, as they made up 48% of that knife assemblage, where this same shape made up only 19% of the Lake Koshkonong knives. Blunted crescents were more common at Lake Koshkonong making up 42% of that assemblage as opposed to 29% of the Lake Nokomis assemblage.

Table 6.70. Distribution of functional element shapes among knives from both study localities.

| Functional Element Shape             | Lake Koshkonong |             | Lake Nokomis |             |
|--------------------------------------|-----------------|-------------|--------------|-------------|
| Blunted Crescent                     | 11              | 42%         | 9            | 29%         |
| Crescent                             | 2               | 8%          | 1            | 3%          |
| Lancolet                             | 0               | 0%          | 1            | 3%          |
| Oval                                 | 1               | 4%          | 0            | 0%          |
| Rectangular                          | 1               | 4%          | 2            | 6%          |
| Semi-Circular                        | 5               | 19%         | 3            | 10%         |
| Sub-Triangular                       | 5               | 19%         | 15           | 48%         |
| Wedge                                | 1               | 4%          | 0            | 0%          |
| <b>Totals</b>                        | <b>26</b>       | <b>100%</b> | <b>31</b>    | <b>100%</b> |
| $X^2 (2, N = 57) = 5.332, p = 0.070$ |                 |             |              |             |

One related variable, the distal morphology, had three observed varieties (Table 6.71). The most common by far was round, found on 80% of knives from both localities. There were several pointed knives from each locality, and a single flat ended knife from the Lake Koshkonong assemblage. This variable is so heavily weighted toward rounded that a chi-squared analysis was impossible due to a lack of instances in the other categories. However, since both localities had very nearly equal proportions of rounded distal ends, it is likely that even with a larger sample the result would have been negative. However, the single example of a flat ended knife from Lake Koshkonong knives does provide another example of a unique manufacturing process.

Table 6.71. Distribution of distal end shapes in knives from the two study localities.

|               | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Flat          | 1                      | 5%          | 0                   | 0%          | <b>1</b>      | <b>2%</b>   |
| Pointed       | 3                      | 14%         | 6                   | 20%         | <b>9</b>      | <b>18%</b>  |
| Rounded       | 17                     | 81%         | 24                  | 80%         | <b>41</b>     | <b>80%</b>  |
| <b>Totals</b> | <b>21</b>              | <b>100%</b> | <b>30</b>           | <b>100%</b> | <b>51</b>     | <b>100%</b> |

Another variable linked to the functional element shape is the degree of curvature. Most knives were straight, though a significant minority were curved less than 90 degrees, and several were curved more than 90 degrees. Even though there were proportionately a few more curved knives in the Lake Koshkonong assemblage, the distributions of the degree of curvature variable is not significantly different at either locality (Table 6.72). This result seems incongruent with the idea that there was a real difference in the functional element shapes of knives from the two localities.

Table 6.72. Degree of curvature data and chi-squared result.

|                  | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|------------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Less than 90°    | 11                     | 41%         | 8                   | 25%         | <b>19</b>     | <b>32%</b>  |
| Greater than 90° | 2                      | 7%          | 2                   | 6%          | <b>4</b>      | <b>7%</b>   |
| Straight         | 14                     | 52%         | 22                  | 69%         | <b>36</b>     | <b>61%</b>  |
| <b>Totals</b>    | <b>27</b>              | <b>100%</b> | <b>32</b>           | <b>100%</b> | <b>59</b>     | <b>100%</b> |

$X^2$  (1, N=59) = 1.758, p = 0.158 (collapsed to Curved vs. Straight)

The functional element cross-section is also important, as it reflects on the number of functional units available and the types of work that could have been done with the tool. About three quarters of the artifacts had wedge-shaped functional element cross-sections which indicates the presence of only one cutting edge. Other functional element cross-sections were recorded as biconvex, diamond, or sheet shaped. The functional element cross-section characteristics are also similarly distributed in the two study locality assemblages. While most of the knives have a wedge cross-section, the Lake Nokomis assemblage had a few more bi-convex cross-sections than the Lake Koshkonong assemblage, but not enough to be statistically significant (Table 6.73).

Table 6.73. Functional element cross-section data and chi-squared analysis result.

|               | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Biconvex      | 3                      | 11%         | 6                   | 19%         | <b>9</b>      | <b>15%</b>  |
| Diamond       | 0                      | 0%          | 1                   | 3%          | <b>1</b>      | <b>2%</b>   |
| Indeterminate | 1                      | 4%          | 0                   | 0%          | <b>1</b>      | <b>2%</b>   |
| Sheet         | 1                      | 4%          | 2                   | 6%          | <b>3</b>      | <b>5%</b>   |
| Wedge         | 22                     | 81%         | 23                  | 72%         | <b>45</b>     | <b>76%</b>  |
| <b>Totals</b> | <b>27</b>              | <b>100%</b> | <b>32</b>           | <b>100%</b> | <b>59</b>     | <b>100%</b> |

$X^2$  (1, N=59) = 0.310,  $p$  = 0.578 (collapsed to Wedge and Other)

More than three quarters of the knives had tangs for their proximal shapes (hafting element). Other hafting element options include tabs and sockets. Tangs were so common that a chi-squared analysis of the distribution could not be conducted because all the other shapes together did not add up to the minimum of five (Table 6.74). A related morphology, proximal cross-sections, was almost all rectangular for knives from both localities. This means that the hafting tangs for most of the knives were rectangular rather than round in cross-section. The proximal morphology of these rectangular tangs was most often round but could also be pointed.

Table 6.74. Proximal shape for knives.

|               | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Total</b> |             |
|---------------|------------------------|-------------|---------------------|-------------|--------------|-------------|
| Hook          | 0                      | 0%          | 1                   | 3%          | <b>1</b>     | <b>2%</b>   |
| Socket        | 1                      | 4%          | 0                   | 0%          | <b>1</b>     | <b>2%</b>   |
| Tab           | 1                      | 4%          | 3                   | 10%         | <b>4</b>     | <b>7%</b>   |
| Tang          | 23                     | 92%         | 25                  | 86%         | <b>48</b>    | <b>89%</b>  |
| <b>Totals</b> | <b>25</b>              | <b>100%</b> | <b>29</b>           | <b>100%</b> | <b>54</b>    | <b>100%</b> |

Knives are asymmetric bladed tools with a hafting element. The Lake Koshkonong assemblage has 27 of these, while the Lake Nokomis assemblage has 32. The only metric dimension that was significantly different in knives from the two locations was width. In this case, Lake Nokomis knives have a larger mean width than Lake Koshkonong knives. The other dimensions: length, thickness and weight, all have non-significant differences between their means (Table 6.75). Knives in the Bussey collection have a very wide range of sizes. The standard deviation of length is fully a third of the mean for both localities and the difference between the minimum and maximum lengths is greater than 100% of the mean at both localities.

Table 6.75. Results of t-test analysis of metric dimensions in knives from the two study localities.

| <b>Knife Dimensions</b> | <b>Lake Koshkonong Mean, N</b> | <b>Lake Nokomis Mean, N</b> | <b>t-test value, p-value</b> |
|-------------------------|--------------------------------|-----------------------------|------------------------------|
| Length                  | 93.41 mm, n = 20               | 93.50 mm, n = 26            | -0.010, p = 0.992            |
| Width                   | 15.45 mm, n = 24               | 20.28 mm, n = 29            | -2.04, p = 0.047             |
| Thickness               | 4.16 mm, n = 24                | 3.33 mm, n = 31             | 1.52, p = 0.135              |
| Weight                  | 19.51, mm, n = 20              | 17.32 g, n = 26             | 0.55, p = 0.586              |

As with projectile points, metric comparison of morphologically similar knives is critical to getting a reliable comparison of the metric dimensions of artifacts from each locality. A t-test analysis of the metric measurements of blunted crescent shaped knives at both localities indicates that blunted crescent blades from Lake Nokomis are 12.5 millimeters wider on average than Lake Koshkonong blunted crescents and that this difference is statistically significant (Table 6.76). Length, thickness and weight t-tests were all non-significant for this type, mirroring the

results for knives overall. All of the other morphological groups either have too few examples in the assemblage or are too fragmentary to allow for reliable t-test analysis.

Table 6.76. T-test results for all metric dimensions for blunted crescent knives from both study localities.

| <b>Blunted Crescent Knife Dimensions</b> | <b>Lake Koshkonong Mean, N</b> | <b>Lake Nokomis Mean, N</b> | <b>t-test value, p-value</b> |
|--|--------------------------------|-----------------------------|------------------------------|
| Length                                   | 93.09 mm, n = 11               | 108.73 mm, n = 9            | -1.20, p = 0.244             |
| Width                                    | 16.52 mm, n = 11               | 29.02 mm, n = 9             | -2.61, p = 0.018             |
| Thickness                                | 4.15 mm, n = 11                | 4.02 mm, n = 9              | 0.113, p = 0.911             |
| Weight                                   | 20.773 g, n = 11               | 27.66 g, n = 9              | -1.02, p = 0.320             |

Width is the one dimension that is significantly different between knives from the two localities. The width dimension is strongly influenced by the functional element shape. When the two most common functional element shapes (blunted crescents and sub-triangular) are compared to each other and between the study localities it turns out that the difference in widths is driven entirely by the extremely wide blunted crescents from the Lake Nokomis assemblage. The difference in widths between Lake Koshkonong blunted crescent knives, Lake Koshkonong sub-triangular knives, and sub-triangular knives from Lake Nokomis is negligible. However, Lake Nokomis blunted crescent knives are about twice as wide as the average widths of the other shapes (Table 6.77). A t-test of this data indicates that the 12 mm difference in width is statistically significant which indicates that these wider blunted crescent knives come from a different width population than all the other knives. However, when this group of blunted crescent shaped knives' other dimensions are tested against the other types of knives, the difference is still not significant.

Table 6.77. Means of widths of the two most common functional element shapes for knives from the two study localities. T-tests run on data in each row.

| <b>Knife Width</b> | <b>Lake Koshkonong Mean, N</b> | <b>Lake Nokomis Mean, N</b> | <b>t-test value, p-value</b> |
|--------------------|--------------------------------|-----------------------------|------------------------------|
| Blunted Crescents  | 16.52 mm, n = 11               | 29.02 mm, n = 9             | -2.605, p = 0.018            |
| Sub-Triangular     | 15.02 mm, n = 5                | 16.13 mm, n = 15            | -0.421, p = 0.679            |

The results for this portion of the assemblage are split. Two variables are different between the two localities (distribution of functional element shape and width) while the rest of the variables are the same.

#### **6.4 Use Damage Analysis Results**

As described in Chapter 5, a use damage study was conducted on all the artifacts in the study assemblage. Use damage analysis on copper tools records evidence of use still extant on the tool and the location of that evidence in relative terms such as distal, medial, and proximal. Of the 937 formal tools 428 (45.6%) had at least one sign of use damage. Overall, the Lake Koshkonong assemblage has a slightly higher incidence of use damage than the Lake Nokomis assemblage. The Lake Koshkonong assemblage has 310 (47.7%) tools with evidence of use damage, while the Lake Nokomis assemblage had 120 (41.8%) tools with evidence of use damage. Based on a chi-squared analysis (Table 6.78), this is not a significant difference at the .05 confidence level  $\chi^2 (2, N=569) = 0.272, p = 0.873$ . However, the incidence of use-damage is influenced by the types of tools in each assemblage, and the difference is greater than it appears in the aggregate data when this is taken into account.

Table 6.78. Overall frequency and proportion of use-damage.

|          | <b>Lake Koshkonong</b> |      | <b>Lake Nokomis</b> |      | <b>Totals</b> |      |
|----------|------------------------|------|---------------------|------|---------------|------|
| Distal   | 194                    | 47%  | 69                  | 45%  | 263           | 46%  |
| Medial   | 149                    | 36%  | 59                  | 38%  | 208           | 37%  |
| Proximal | 71                     | 17%  | 27                  | 17%  | 98            | 17%  |
| Totals   | 414                    | 100% | 155                 | 100% | 569           | 100% |

The number of incidences of use damage per artifact was also recorded. In the Lake Koshkonong assemblage, there were 223 tools that had a single incidence of use damage, while 87 artifacts had two or more incidences of use damage. The Lake Nokomis assemblage has 85

tools with a single incidence of use damage, while 33 had two or more incidences. As suggested by Table 6.79, the proportion of tools with multiple incidences use damage in the Lake Nokomis assemblage is slightly smaller than in the Lake Koshkonong assemblage. Chi-squared analysis of the number of incidences of use damage per tool also shows that, overall, the incidence of use damage at the two localities are very similar. Chi-squared analysis of the number of instances of use damage per tool at each locality, including those without use damage was also not significant.

Table 6.79. Use damage incidences at each of the study localities.

| <b>Number of Use<br/>Damage Incidences</b> | <b>Lake Koshkonong</b> |                    |                         | <b>Lake Nokomis</b> |                    |                         |
|--|------------------------|--------------------|-------------------------|---------------------|--------------------|-------------------------|
|  | Count                  | % of Used<br>Tools | % of Tool<br>Assemblage | Count               | % of Used<br>Tools | % of Tool<br>Assemblage |
| Only 1                                     | 223                    | 72%                | 34%                     | 87                  | 73%                | 30%                     |
| 2 or more                                  | 85                     | 28%                | 13%                     | 33                  | 28%                | 11%                     |
| <b>Totals</b>                              | <b>308</b>             | <b>100%</b>        | <b>47%</b>              | <b>120</b>          | <b>100%</b>        | <b>42%</b>              |
| <b>Total Tool Assemblage</b>               | <b>650</b>             |                    |                         | <b>287</b>          |                    |                         |
| $X^2 (2, N = 937) = 3.472, p = 0.176$      |                        |                    |                         |                     |                    |                         |

Most evidences of use damage were found on the distal end of the tools, as would be expected. A total of 263 incidences of use damage were recorded on the distal ends of tools. The medial portion of tools in the study collection have a total of 208 signs of use damage, while the proximal ends had a total of only 98 incidences. Table 6.80 records the frequency of use damage in each of these three morphological zones by locality. A chi-squared analysis shows no difference in terms of location of use damage between the localities.

Table 6.80. Frequency of use damage by location on the artifacts and locality.

|                                       | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---------------------------------------|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Distal                                | 194                    | 47%         | 69                  | 45%         | 263           | 46%         |
| Medial                                | 149                    | 36%         | 59                  | 38%         | 208           | 37%         |
| Proximal                              | 71                     | 17%         | 27                  | 17%         | 98            | 17%         |
| <b>Totals</b>                         | <b>414</b>             | <b>100%</b> | <b>155</b>          | <b>100%</b> | <b>569</b>    | <b>100%</b> |
| $X^2 (2, N = 569) = 0.272, p = 0.873$ |                        |             |                     |             |               |             |

Despite the similarities in the use damage profiles of the two assemblages presented above, use damage was not evenly distributed among the most common tool types when considering the proportion of tools of a particular type in the two assemblages. For example, the fishhooks were the least likely to show evidence of use-damage at only 9%. This surprisingly low proportion either reflects a lack of knowledge about how to detect fishing use on metal artifacts or a low rate of use-damage accrual, rather than an actual lack of use. Fish hooks are generally a bent rod shape with a single pointed functional unit used to pierce a relatively soft material (fish). The combination of this compact and simple build and the light-duty activity probably led to very minimal detectable use-damage on the artifact. Since fish hooks were so likely to have no use-damage and form such a large proportion of the Lake Koshkonong assemblage, it is suspected that they were exerting an outsized influence on the aggregate use-damage results reported above. For the following comparison, fish hooks and other minor tool types were removed from the analysis for both localities.

The tool types in the Lake Koshkonong assemblage that most consistently displayed evidence of use damage were straight-rod Type IV artifacts (64% of the time) and knives (59% of the time). The bladed projectile points showed a low proportion of use damage with only 30% retaining any evidence of use damage. Many of the edges of these artifacts have been severely corroded, so it is possible that much of the necessary evidence has been destroyed. The incidence of use-damage on conical points and sub-triangular Type IV artifacts very nearly matches the overall use-damage rate for the Koshkonong locality. Conical points, with their massive distal build would tend to resist use-damage, though if they were being used as projectiles, they should be susceptible to battering from environmental obstacles such as rocks and trees, so this result



was surprising. When fishhooks are removed, the remainder of the primary tool types in the Lake Koshkonong assemblage have a 57% use-damage rate (Table 6.81).

Table 6.81. Use-Damage in the five most common tool types in the Lake Koshkonong assemblage.

|                        | <b>No Use Damage</b> |            | <b>Some Use Damage</b> |            | <b>Totals</b> |             |
|------------------------|----------------------|------------|------------------------|------------|---------------|-------------|
| Type IV Straight Rods  | 99                   | 36%        | 178                    | 64%        | 277           | 100%        |
| Type IV Sub-Triangular | 15                   | 56%        | 12                     | 44%        | 27            | 100%        |
| Conical Points         | 58                   | 54%        | 50                     | 46%        | 108           | 100%        |
| Knives                 | 11                   | 41%        | 16                     | 59%        | 27            | 100%        |
| Bladed Points          | 14                   | 70%        | 6                      | 30%        | 20            | 100%        |
| <b>Totals</b>          | <b>197</b>           | <b>43%</b> | <b>262</b>             | <b>57%</b> | <b>459</b>    | <b>100%</b> |

Only 39% of the Lake Nokomis artifacts showed evidence of use damage when examining only those tool types that the two study localities have in common. This damage was more evenly distributed among the most common Lake Nokomis tool types (Table 6.82) except in the case of the Type IV Straight Rods. Most of the tool types presented no evidence of use damage on 60% to 70% of the artifacts. The only exception to this is the Type IV straight rods which had at least one evidence of use-damage 64% of the time. Bladed and non-bladed projectile points, crescents and sub-triangular Type IV artifacts all had evidence of use-damage on only a third of the analyzed samples. Knives had a slightly higher incidence of use-damage, but it was only at 38%.

Table 6.82. Use-Damage in the five most common tool types in the Lake Nokomis assemblage.

|                        | <b>None</b> |            | <b>Some</b> |            | <b>Totals</b> |             |
|------------------------|-------------|------------|-------------|------------|---------------|-------------|
| Type IV Straight Rods  | 17          | 36%        | 30          | 64%        | 47            | 100%        |
| Type IV Sub-Triangular | 25          | 68%        | 12          | 32%        | 37            | 100%        |
| Conical Points         | 70          | 67%        | 34          | 33%        | 104           | 100%        |
| Knives                 | 20          | 63%        | 12          | 38%        | 32            | 100%        |
| Bladed Points          | 22          | 67%        | 11          | 33%        | 33            | 100%        |
| <b>Totals</b>          | <b>154</b>  | <b>61%</b> | <b>99</b>   | <b>39%</b> | <b>253</b>    | <b>100%</b> |

When fishhooks are removed from the totals, a chi-squared analysis indicates that the use-damage rates are significantly different in the two assemblages (Table 6.83), however the sample size is too large, which has skewed the p-value artificially lower. The diversity indices

for the data from Table 6.81 and Table 6.82 indicate that the Lake Nokomis assemblage is more diverse and even, suggesting that the difference in incidence is real. Setting aside the statistical tests, a comparison of the rates of use for specific tool types illuminates an even more nuanced result. The use-damage rate for straight-rod Type IV artifacts is exactly the same in the two study localities' assemblages, suggesting that those tools were seen primarily as tools by both communities. But the other four tool types had different incidences of use. For example, in the Lake Koshkonong assemblage nearly 60% of the knives had use-damage, whereas just less than 40% of the knives in the Lake Nokomis assemblage had use-damage. This may be an indicator of a difference in habitus regarding the use of finished knives in the two communities. Finally, the bladed projectile point assemblages each presented use-damage on less than one-third of the examples in both assemblages. This again indicates that these objects may not have been primarily seen as tools to be used, though they apparently did see enough use to be damaged some of the time.

Table 6.83. Use-damage rates at both localities with fish hooks removed.

| <b>Use Damage Level</b>                       | <b>Lake Koshkonong</b> |             | <b>Lake Nokomis</b> |             | <b>Totals</b> |             |
|---|------------------------|-------------|---------------------|-------------|---------------|-------------|
| Some Use-Damage                               | 262                    | 57%         | 99                  | 39%         | 361           | 51%         |
| No Use-Damage                                 | 197                    | 43%         | 154                 | 61%         | 351           | 49%         |
| <b>Totals</b>                                 | <b>459</b>             | <b>100%</b> | <b>253</b>          | <b>100%</b> | <b>712</b>    | <b>100%</b> |
| $X^2 (2, N=712) = 21.025 \text{ } p < 0.0001$ |                        |             |                     |             |               |             |

Table 6.84. Diversity Indices for Use-Damage Presence vs. Absence for main five tool types shared by each locality.

|                                  | <b>Lake Koshkonong</b> | <b>Lake Nokomis</b> |
|----------------------------------|------------------------|---------------------|
| Shannon's Diversity Index        | 1.780                  | 2.130               |
| Evenness                         | 0.772                  | 0.924               |
| Simpson's Diversity Index (1-D)  | 0.770                  | 0.860               |
| Simpson's Reciprocal Index (1/D) | 4.39                   | 7.160               |

## 6.5 Results of the Chemical Compositional Analysis

A Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS) analysis of chemical composition was conducted on 97 copper objects including formal artifacts, preforms,debitage, and raw material from the two study localities (. Of these 97, the data from only 80 were retained for subsequent statistical analysis. Most of the samples that were removed from the analysis were removed due to suspected signal interference from the corroded patina of the object or artifact. When a portion of patina is vaporized along with the interior copper, the signal generally has much higher iron and silicon values because iron and silicon are two of the most common elements in surficial geologic deposits and are therefore commonly incorporated into developing copper patina. This analysis attempted to avoid sampling the patina, as the composition of the patina would reflect the depositional environment of each artifact, rather than the copper's geologic composition and geographic origin.

The resultant data from the remaining 80 copper objects was examined for compositional outliers which resulted in the identification of nine specimens with widely variant compositions. Two of these outliers were from the Lake Koshkonong assemblage, and seven of them were from the Lake Nokomis assemblage. No relationship between compositional outliers and object type could be identified, meaning that the outliers were randomly dispersed among the various object types as illustrated in Table 6.85 below.

Table 6.85. Outliers by artifact type.

|                 | <b>Artifact Type</b> | <b>Outliers</b> | <b>Non-Outliers</b> |
|-----------------|----------------------|-----------------|---------------------|
| Lake Koshkonong | Formal Artifacts     | 1               | 21                  |
|                 | Preforms             | 0               | 2                   |
|                 | Debitage             | 0               | 10                  |
|                 | Raw Material         | 1               | 4                   |
| Lake Nokomis    | Formal Artifacts     | 3               | 20                  |
|                 | Preforms             | 0               | 2                   |
|                 | Debitage             | 2               | 9                   |
|                 | Raw Material         | 2               | 3                   |

Outliers were also examined compositionally to determine if any one element would be a predictor of having a divergent composition. The multivariate outlier analysis conducted indicated that high levels of Zinc were correlated with having a divergent composition, but this relationship was not very strong. In general, the level of any non-outlier element in an outlier object was randomly distributed among the values of the other non-outlier objects. Usually, an outlier had high levels of only one or two of the ten observed elements, while values for the other elements were within the normal range.

Seven of the nine outliers were from the Lake Nokomis assemblage, which suggested that artifacts from Lake Nokomis might be more compositionally varied than those from the Lake Koshkonong assemblage. To test this idea a direct analysis of the compositional variation of artifacts from each locality was conducted using a variation matrix. The variation matrix plots the variation of each element against each other element and from sample to sample within the locality. Summation of the geometric coefficient of these variation values can then give a measure of the variation of all the samples from a particular locality (Kirkwood 1979). The sum of the geometric coefficients of variation at Lake Nokomis is 90.37; compared to 80.59 at Lake Koshkonong. The outlier analysis indicates that the copper from Lake Nokomis is, in fact, more variable in its composition than is the copper from Lake Koshkonong.

The nine outliers represent eleven percent of the total sample size of 80, which is a significant proportion of this relatively small dataset. A robust principal component analysis method is the most appropriate to use in attempting to characterize the chemical compositions of copper from the two localities, because it has the advantage that it appropriately takes into account the outliers noted above.

The principal component analysis resulted in poor separation or clustering of artifacts from each locality. The first two principal components explain only 58.99% of the variation, indicating that the data for the ten elements used for this analysis are not well structured from sample to sample and do not co-vary systematically. The resultant PCA plot shows an almost complete overlap of the two sites' compositions (Figure 6.47). A linear discriminant analysis, based on the first two principal components from the PCA described above, was used to predict which locality an artifact was likely to come from, which produced a confusion matrix with a relatively low accuracy of 63.75% (Table 6.86). Repeating the process with the first four principal components, can explain only 84% of the variation and only improves the accuracy of the confusion matrix to 67.5% (Table 6.87).

While the PCA plots overlap considerably, there is a group of Lake Koshkonong samples that cluster in the upper right hand corner of the graph. It is possible that this cluster have a different geologic origin than those objects from Lake Koshkonong that fall well within the 95% confidence interval for Lake Nokomis compositions.

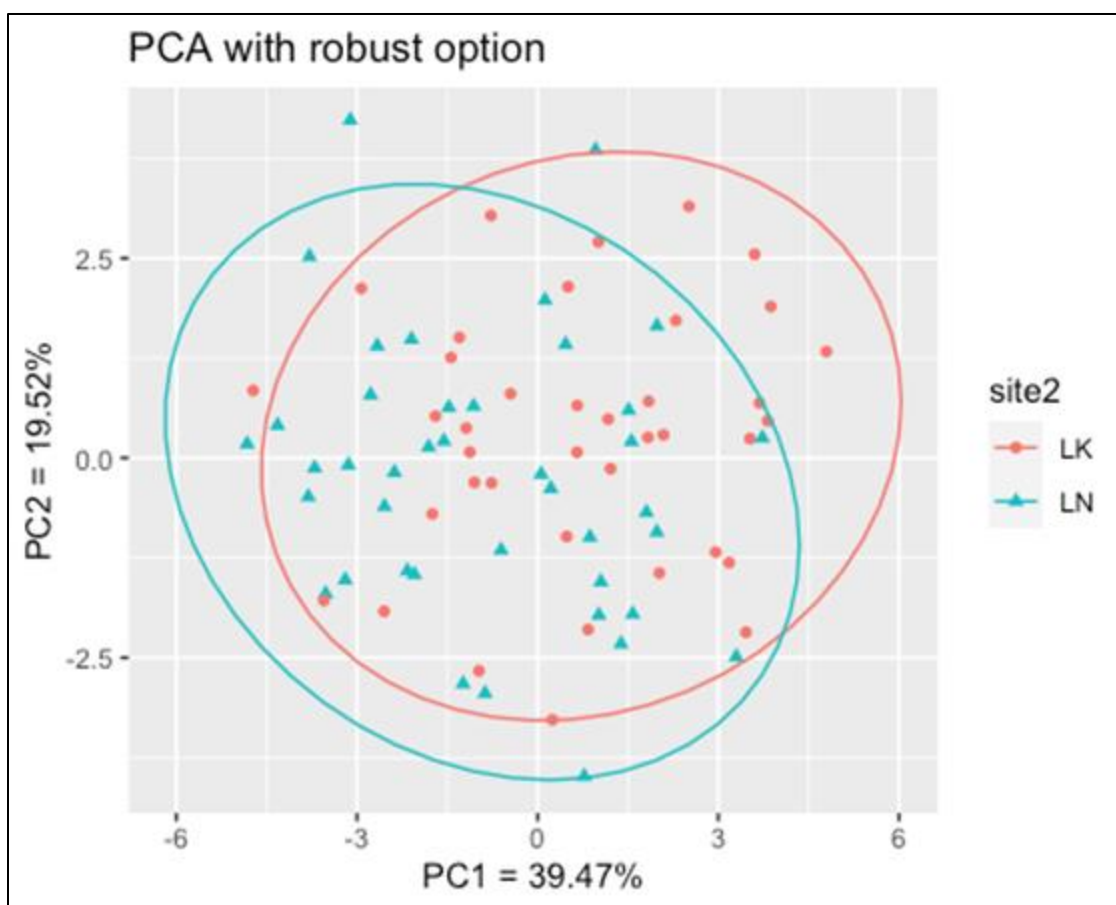


Figure 6.47. Scatterplot of artifact compositions from the two study localities with 95% confidence ellipses.

Table 6.86. Confusion matrix using the first two dimensions of the principal component analysis, 63.75% accuracy.

|                           | Actual Lake Koshkonong | Actual Lake Nokomis |
|---------------------------|------------------------|---------------------|
| Predicted Lake Koshkonong | 22                     | 12                  |
| Predicted Lake Nokomis    | 17                     | 29                  |

Table 6.87. Confusion matrix produced using the first four dimensions of the principal component analysis, explaining 84% of the variation. 67.5% accuracy.

|                           | Actual Lake Koshkonong | Actual Lake Nokomis |
|---------------------------|------------------------|---------------------|
| Predicted Lake Koshkonong | 26                     | 13                  |
| Predicted Lake Nokomis    | 13                     | 28                  |

This low accuracy rate, along with the high likelihood of overfitting due to a relatively small sample size and the high variability in compositions noted above, suggest that the elements used for this analysis are not able to systematically differentiate the chemical compositions of copper artifacts from each location. In other words, there does not appear to be a consistently

different chemical signature for copper artifacts from the two localities. This result was unexpected, as others have been able to identify chemical differences in copper artifacts using these same techniques (Hill 2009; Hill and Jeske 2011; Lattanzi 2007; Rapp et al 2000). This inability to statistically differentiate the two assemblages is not due to a lack of sensitivity on the part of the LA-ICP-MS technique. The LA-ICP-MS technique can accurately identify the presence of elements into the parts per billion range. The most likely reason for the two assemblages to be chemically indistinguishable, is that they are not different; that the majority of both assemblages come from the same geologic source.

The following graphic illustrates the variability in a single sample (Figure 6.48). In this example, copper has been removed because it makes up more than 99% of each artifact and would obscure the variation in the trace elements being measured and illustrated. Each bar in the graph is from a single sample or run on the same artifact and shows only the ten elements used for the PCA/LDA analyses reported above. Silver (Ag) was consistently a major component in each run. Lead (Pb) and Iron (Fe) were commonly among the larger secondary components. The amount of variation between sampling sites, usually within a millimeter of each other on a single artifact is significant and may cause problems for characterizing the composition of an artifact as a whole.

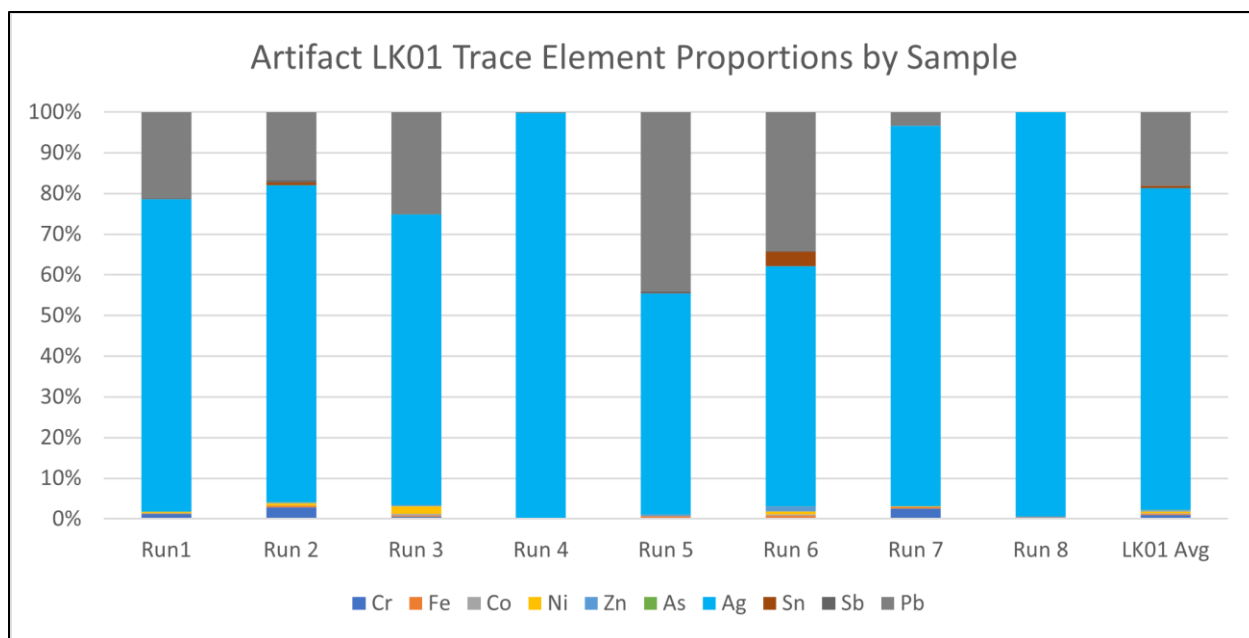


Figure 6.48. Trace element proportions for Artifact LK01 in the LA-ICP-MS study group.

While the variability observed in the elements used for this analysis preclude the possibility of accurately assigning a geographic origin to individual copper artifacts, the results are not without value. This analysis indicates that in terms of these ten elements, the copper from both localities is largely the same, with the distribution of the levels of elements overlapping for most specimens. At face value, this would suggest that the copper sources are largely the same for the two assemblages. Additionally, there are a few outliers from each locality sitting outside the 95% confidence line, which may be indications of copper derived through alternate network connections. Finally, the greater variability demonstrated for the Nokomis artifacts may be an indicator of a wider procurement pattern than that available to the Lake Koshkonong community.

## 6.6 Summary

This chapter described the results of four different analyses of 1,000 copper artifacts from two localities in Wisconsin. In general, the morphological analysis indicates that both localities largely used the same set of morphologies to form the tools in their respective tool kits, though in



consistently different proportions. The metric analysis results indicate that more copper was used to make most types of artifacts at Lake Nokomis than at Lake Koshkonong, while a few types of artifacts could not be differentiated by size. The use damage analysis shows that many of these copper tools were used, though at different rates at the two localities. The chemical compositional analysis results did not show any consistently measurable difference between the compositions of copper artifacts from either locality. In the next chapter these results will be discussed in relation to the expected material correlates of the different kinds of social networks outlined at the end of Chapter Two.

# CHAPTER 7

## Discussion

### 7.1 Introduction

The first goal of this research is to demonstrate whether or not a link (and therefore a network) existed between the two study localities during the Archaic. A second goal of this research is to determine what kind of network may have existed. The table below summarizes the similarities and differences between the copper assemblages from the two study localities discussed in detail in the previous chapter.

Table 7.1. Summary of documented similarities and differences between the copper assemblages from the two study localities.

| Two study localities:   |   |   |
|---|---|---|
| Similarities  |   |   |
| Material Evidence   | Result of Analysis  |   |
| Copper Debitage   | Present at both localities  |   |
| Assemblage Composition  | All seven major types of tools represented in both assemblages  |   |
| Refinement  | Similar levels of refinement in both assemblages  |   |
| Type I-A projectile points  | Both sizes at both localities, Same average sizes at both localities  |   |
| Knives  | Same types at both sites, 3/4 metric dimension are the same   |   |
| Use-Damage  | Type IV tools consistently used   |   |
| Chemical Composition  | Largely overlapping   |   |
|   |   |   |
| Differences   |   |   |
|   | Lake Nokomis  | Lake Koshkonong   |
| Basic Type  | More bladed tools, more diverse assemblage  | More pointed tools  |
| Morphological Characteristics<br>Dependent on Assemblage<br>Composition | More symmetrical tools<br>More rounded distal ends<br>More rectangular functional<br>element cross-sections<br>More curves less than 90 degrees<br>Most tools have a hafting<br>element<br>More tools with socket hafts<br><br>Proximal cross-section is more<br>often rectangular<br>Round proximal cross-sections | Less symmetrical tools<br>More pointed distal ends<br>More square and round<br>functional element cross-<br>sections<br>More curves more than 90<br>degrees<br>Most tools do not have a hafting<br>element<br>More tools with rod-shaped<br>proximal ends<br>Proximal cross-section is more |

|                              |   |  |
|------------------------------|---|--|
|                              | are usually sockets<br>Proximal morphology is more often flat<br><br>Number of Functional Units more often 2 than expected<br>Number of Edges more 1 or 2 | often square<br>Round proximal cross-sections are usually rods<br>Proximal morphology is more often pointed or rounded<br>Number of Functional Units more often 1 or “1 or 2” than expected<br>Number of Edges more often none |
| Rivets                       | Nine artifacts with rivet holes   | Zero artifacts with rivet holes  |
| Morpho-Functional Type       | More projectile points and more diverse projectile point assemblage   | More Type IV and fish hooks and more diverse fish hook assemblage  |
| Type IV artifact Assemblages | More Sub-triangular   | More Rod-shaped  |
|                              | Fewer bi-pointed Type-IVs than expected   | More bi-pointed Type-IVs than expected   |
|                              | Larger Straight Rods  | Smaller Straight Rods  |
|                              | Wider Sub-Triangulars   | Straighter Sub-Triangulars   |
| Fishhooks                    | Very few, simple, large,  | Many, diverse types, more complex styles, smaller  |
| Projectile Points            | Much more diverse   | One type   |
|                              | Conical points are larger   | Conical points are smaller   |
| Knives                       | Wider Blunted Crescents   | Thinner Blunted Crescents  |
| Use-Damage                   | Used less often   | Used more often  |
| Chemical Composition         | More variable composition   | Less variable composition  |
|                              |   | 4 artifacts clustered outside overlapping ellipses   |

The summary of the analyses of the study assemblages demonstrates that they were produced by two separate multi-generational communities of copper workers for the following reasons. While the assemblages share several similarities, the sheer volume of documented differences indicates that the habitus for copper consumption at the two localities was significantly different. In most observed cases, the difference was in the same direction, namely that copper tools at Lake Nokomis are larger and more diverse than copper tools at Lake Koshkonong. If these assemblages were the product of a single community moving between the two localities, we could expect to see many more similarities between the two assemblages, particularly in morphologies of a stylistic or minimally functional nature, like the proximal

morphology of socketed projectile points. Some of the differences could be, and probably are, partially related to different subsistence strategy needs based on the particularities of the environments at the two study localities. For example, the large number and diversity of fish hooks in the Lake Koshkonong assemblage is likely due in large part to the presence of a lake rather than a river, as would have been the case at Lake Nokomis. However, differences like those mentioned above in terms of non-functional morphologies and overall trends in metric measurements do not represent conscious decision making, rather they are the product of an ingrained habitus. Given the strong evidence for differences in copper habitus, the most likely explanation is the presence of two distinct, copper-using, local communities.

Because the assemblages from the two localities do appear to represent the work of two distinct communities it follows that the connections producing the minimal similarities (such as the use of copper for tool making, and the similar types of tools at each node) between these communities needs to be defined. Mutual participation in a copper-based adaptive strategy demonstrates only a very weak connection between forager communities so geographically distant from one another. Mutual copper use does not reveal anything beyond a weak link between these communities. In Chapter Two several possible types of social networks were identified, and their material correlates outlined (Table 7.2). These expectations will be reviewed here in light of the results described above.

Table 7.2. Expectations for the material correlates of the various types of social networks possibly in use during the Western Great Lakes Archaic.

| <b>Material Correlates</b> | <b>Modes of Production</b>                         |  |  |
|----------------------------|--|--|--|
|                            | <b>Local Production</b>                            | <b>Down-The-Line Trade</b>   | <b>Network Trade</b>   |
| Debitage                   | Present  | Absent   | Absent   |
| Artifact Morphology        | Different morphologies for similar tool types      | Artifacts of a type of the same average morphological combinations | Artifacts of a type of the same average morphological combinations |
| Artifact Metrics           | Different metric attributes for similar tool types | Artifacts of a type have the same average metric measurements      | Artifacts of a type of the same average morphological combinations |
| Assemblage Composition     | Very different                                     | Peripheral assemblage is a subset of the central assemblage        | Somewhat different   |
| Copper Composition         | Unknown  | Very similar, but with a compositional subset                      | Overlapping, with distinctly clustered outliers                    |

| <b>Modes of Raw Material Procurement</b> |  |  |              |
|--|--|--|--------------|
|  | <b>Direct Procurement – Primary Source</b> | <b>Direct Procurement – Secondary Source</b> | <b>Trade</b> |
| Chemical Composition                     | Very Similar                               | Different                                    | Overlapping  |

| <b>Raw Material Procurement Via Trade</b> |   |   |  |
|---|---|---|--|
|   | <b>Down-The-Line Trade</b>  | <b>Network Trade</b>                                    |  |
| Economizing Behavior                      | Smaller objects and increased reuse or repair at the more peripheral locality     | May or may not produce evidence of economizing behavior |  |
| Movement of innovation                    | More peripheral location should have a subset of more central location assemblage | Localities have very different assemblages              |  |
| Chemical Composition                      | Peripheral composition is a subset of more central composition                    | Overlapping compositions                                |  |

| <b>Local Vs. Regional Identity</b> |                                 |                                    |  |
|------------------------------------|---------------------------------|------------------------------------|--|
|                                    | <b>Local Community Identity</b> | <b>Regional Community Identity</b> |  |
| Distribution                       | Local distribution of a signal  | Regional distribution of a signal  |  |

Fundamentally, there are three modes by which finished copper artifacts could have been obtained in the Western Great Lakes during the Archaic Period. The first is through local production. The second is through down-the-line community-based trade. The third is through a trade network, conducted and controlled by individuals. These three models are not necessarily

mutually exclusive and it may be that the best fit for the data is some combination of these models.

Data collected for and described during this dissertation are employed in this chapter to attempt to identify the material correlates of these three models outlined above. The current model of Old Copper Complex copper dispersal, the Lake Superior Model, implies a nebulous, down-the-line type of movement of copper and copper technology and can be critiqued or supported using this information as well.

Social networks are made of people and the demonstrated connections between them. For clarity and consistency, these are called nodes and links respectively. The data collected for this research can be used to demonstrate the presence or absence of links between the communities of people that occupied the Lake Koshkonong and Lake Nokomis areas during the Archaic period. If links between these two communities are present, then the relative strength or weakness of those links can also be demonstrated using the data presented in the previous chapter. The presence and relative strength of links between the study localities can then be leveraged to differentiate between the three possible modes of procurement discussed above and outlined in more detail in Chapter Two.

There are several basic links between the communities at the study locations. These include the presence of copper tools and the existence of several near-water Archaic-aged seasonal habitation sites in similar wetland/riverine environments. These types of similarities indicate only common participation in a regionally effective logistical strategy, which in itself is not very different from what came before or after the Old Copper Complex period. The fact that similar cultural strategies were used for both raw material and habitation site choices suggests that some level of interaction occurred; that good and effective ideas for living at this time in this

environment were transferred across the western Great Lakes region through some mechanism. These types of links should be considered weak because they do not give us any evidence of direct and regular interaction between communities. These weak links between communities 300 kilometers distant cannot be considered a trade network, and can only loosely be considered a social network, as there is little evidence of regular social interaction in the broad generalizations noted above. A social network model must be based on evidence of regular interaction, not on evidence of mutual participation in a regional cultural adaptation. In the following discussion, interaction is demonstrated by describing artifactual similarities in the two study assemblages that can be tied to behavior and therefore habitus. Because habitus is developed through regular social interaction, it can be used to identify links, which in this case would be demonstrated relationships between communities.

## ***7.2 Evidence for the Modes of Production***

### ***7.2.1 Presence of Copper Debitage and Artifact Production***

This discussion begins with the production phase, because that is where the evidence begins. Both localities produced large amounts of copper debitage based on Mr. Bussey's collections. Numerically, a debitage to tool ratio in these two assemblages is on the order of 100:1. Debitage was not examined in detail for this research due to designed focus on finished tools and their formal morphology, which debitage lacks. Debitage is indicative of manufacturing behavior. It therefore follows that finished copper objects of some kind were being produced in both the Lake Nokomis and Lake Koshkonong communities. Debitage is also produced by the manufacture of preforms, but given the presence of so many finished tools and

other objects at both localities, it is most likely that at least some of the debitage was produced during the production of those formal tools.

The presence of this debitage eliminates the possibility that only finished artifacts were being moved between these two localities. From one source or another, raw copper was being made into finished objects in both communities. This deduction is not enough to discern which copper objects were made at each locality. An assumption that all the copper objects found at a locality were made there would be an overreach of this data. It is entirely possible that some copper objects were made locally, while others were moved in. Other data points, discussed below, will have to be consulted before determining which artifacts were locally made and which were procured through trade. Regular local production of finished copper artifacts must therefore be at least a part of the modes of procurement for both of these communities. Local production also happens to represent another point of similarity between the two communities. The demonstration of local production also means that both communities were procuring raw copper from some source or sources. The evidence for which of these sources supplied this copper will be discussed later in this chapter.

### *7.2.2 Artifact Morphology and Artifact Production*

In this study, the specific morphologies and combinations of morphologies of each type of copper artifact are considered the product of the manufacturing habitus of the communities where they were made (not necessarily of the communities where they were found). The evidence of extensive copper debitage deposits recovered from both localities is evidence enough that at least some of the artifacts in the study assemblage were made locally. Which artifacts were made locally and which were made non-locally can be partially deduced based on morphological patterns of common types.



If all of the artifacts from both localities were made locally their typologically non-critical morphologies would be expected to be almost entirely different. This difference would result from the presence of only a very weak link between the localities in terms of artifact morphology, which could be attributed to the movement of ideas only, rather than the movement of finished objects. On the other hand, if all of the artifacts were obtained through trade their morphologies would be expected to be very similar. This similarity would be due to the production of objects elsewhere, and their mixture and distribution as an indistinguishable population across the trade network. Neither of these scenarios occurred exclusively in this dataset. Rather, there is a mix of results among the various tool types, some that are very similar and some that are very different between the two assemblages.

Taking the Type IV artifacts as a group reveals a significant difference in the basic functional element shapes used at the two localities. There are more curved and straight rods at Lake Koshkonong and more sub-triangular rods at Lake Nokomis (than would be expected if they were randomly distributed from the same population). This indicates a difference in functional element preference in the two assemblages and is likely a difference in production behavior reflecting hafting or Type IV tool use differences between the two communities. This result reveals a weak link between the two communities in terms of Type IV artifacts. The connection is considered weak because both communities used Type IV artifacts, suggesting the transmission of an idea between them, but they clearly did not have regular interaction regarding them, through either social or trade channels, since the assemblages are so morphologically different. Weak links can be demonstrated for several other artifact types as well using similar arguments (Table 7.3).

Table 7.3. Artifact types with demonstrably different morphologies in the two assemblages.

|                              | <b>Lake Nokomis</b>                     | <b>Lake Koshkonong</b>                       |
|------------------------------|---|--|
| Type IV artifact assemblages | More Sub-triangular                     | More Rod-shaped                              |
|                              | Fewer bi-pointed Type-IVs than expected | More bi-pointed Type-IVs than expected       |
|                              | Larger Straight Rods                    | Smaller Straight Rods                        |
|                              | Wider Sub-Triangulars                   | Straighter Sub-Triangulars                   |
| Fishhooks                    | Very few, simple, large,                | Many, diverse types, complex styles, smaller |
| Projectile Points            | Bladed assemblage is more diverse       | One type of bladed projectile point          |
|                              | Conical points are larger               | Conical points are smaller                   |
| Knives                       | Wider Blunted Crescents                 | Thinner Blunted Crescents                    |

Several artifact types do not have statistically different morphologies. These include some types of bladed projectile points and some types of knives. The only sub-type of bladed projectile point the assemblages have in common were the Type I-A projectile points, which do not exhibit any statistically different morphological combinations. For example, the artifacts of this type consistently have the triangular functional element cross sections, angular proximal cross-sections, and beveled edges on the blade regardless of where they were recovered. This consistent set of morphologies indicates a strong link between the two localities in terms of Type I-A projectile points. These similarities make it more likely that this type of artifact was being distributed from a single manufacturing population through trade and in a finished state.

Knives are also roughly the same morphologically in the two assemblages. One example is the distal morphology of the knives. Both localities had about 80% round distal ends, while the remainder were mostly pointed. Curvature, functional element cross-section, and proximal shape are also very similar between the two knife assemblages. The distribution of these similarities represents a strong link between the communities in terms of knives. The most likely interpretation for these results is that knives were being traded, so that the samples taken from different localities would appear to statistically come from the same population.

The differences discussed above are indicative of procurement of finished tools through local production. Based on the expectations laid out in Table 7.2, this means that Type IV artifacts and fish hooks were among the tool types that were probably made locally. The similarities described above indicated that Type I-A projectile points and possibly knives were probably moved through the region as illustrated by the similarities in those types between the two locality assemblages.

On a broader scale, the assemblages had more statistically different morphologies when taken as a whole than they did similarities. For example, the Lake Nokomis assemblage artifacts were generally more complete than the Lake Koshkonong assemblage artifacts. The increased incidence of completeness is likely the result of the use of less copper for Lake Koshkonong artifacts, which makes them more susceptible to taphonomic factors, such as corrosion, which is capable of completely removing a part of the object. The use of less copper per artifact at Lake Koshkonong is the result of a different manufacturing habitus than that represented in artifacts from Lake Nokomis. Another example is the use of symmetry in the two assemblages. There were far more symmetrical objects in the Lake Nokomis assemblage than the Lake Koshkonong assemblage, proportionally. This difference is the result of a difference in the proportion of different tool types in the two assemblages. The difference in tool types should also be interpreted as evidence of a weak link between the two communities. This link between the communities is considered a link at all because the two assemblages do have the same types of tools in their assemblages. There was clearly influence and information passed between them, enough that both communities produced tools similar enough to group into morpho-functional types today. However, the link is weak because the connection was evidently not regular enough to produce a common habitus concerning how many of each type to make, or consume, in each

locality. Table 7.4 lists the morphological characteristics of the two assemblages that indicate a weak link between the two communities.

Table 7.4. Broad morphological differences between the two copper tool assemblages.

| <b>Morphological Trait</b>       | <b>Lake Koshkonong</b>                      | <b>Lake Nokomis</b>                           | <b>Link Type</b> |
|----------------------------------|---|---|------------------|
| Distal Morphology                | Pointed                                     | Rounded                                       | Weak             |
| Functional Element Cross-Section | Square and Rounded                          | Rectangular                                   | Weak             |
| Functional Element Shape         | Straight Rods and Rods                      | Non-Rods and Sub-Triangles                    | Weak             |
| Degree of Curvature              | Curved > 90°                                | Straight or <90°                              | Weak             |
| Presence of Hafting Element      | More often absent                           | More often present                            | Weak             |
| Proximal Cross-Section           | Square, or round rods                       | Rectangular, or round sockets                 | Weak             |
| Proximal Morphology              | Pointed                                     | Flat  | Weak             |
| Number of Functional Units       | More possible bi-pointed rods than expected | Two Functional Units more often than expected | Weak             |
| Number of edges                  | Few edges                                   | More edges than expected                      | Weak             |
| Projections                      | Not many                                    | More than expected                            | Weak             |
| Rivets                           | None  | More than expected                            | Weak             |

The list of morphological differences outlined above gives some indication that a significant number, if not a majority, of the copper artifacts found at either location were probably made locally. This assertion is corroborated by the presence of extensive copper debitage at both localities. Even if some artifacts were made non-locally, the different tendencies of each manufacturing center is evident in the aggregate morphological data. While most of the morphologies are distributed differently in the two assemblages, there are a few examples of morphologies that were not different between the two localities. These morphologies hint at which types of artifacts may not have been made locally.

One aggregate morphology that was not different between the two communities is the triangular shape category of the Functional Element Cross-Section variable. The triangular shape was distributed between the two assemblages precisely as expected. The triangular shape is

usually found in large, complex, and formalized bladed projectile points. Another morphology that is not distributed differently between the two localities is angular proximal cross-sections. This category was only used to describe sockets, another common element of some large bladed projectile points. That nearly identical morphology of socketed points that were distributed evenly among the two localities suggests that these artifacts were not made locally but were made at one locality and traded to the other.

Another morphology the two assemblages have in common is the presence of only a single functional unit on most artifacts. Three quarters of the artifacts from each locality were categorized as having a single functional unit. Usually, one functional unit means that the object is a pointed tool. This also means that having one functional unit is not a feature of large bladed projectile points. Instead, the use of copper to make pointed tools expresses a shared ideal in terms of the basic types of tools that were most usefully made of copper. Agreement on that very general level may reveal a regular or steady connection between the localities,.

### *7.2.3 Artifact Metrics and Artifact Production*

The aggregate results of comparable metric measurements of copper tool types common to both study localities have important implications for the types of links between those localities. Metric measurements reflect the manufacturing behaviors responsible for the creation of these objects. Therefore, the trends or tendencies revealed by collating these measurements and comparing them between localities reveals locality-specific manufacturing habitus.

The metric measurements of the straight rod Type IV artifacts indicates that in all respects, Lake Koshkonong straight rods are smaller than those from Lake Nokomis. This result reveals the presence of two separate manufacturing populations. This conclusion strongly suggests that straight rods were likely locally produced and were also probably not traded very often. The

presence of abundant debitage and the morphological differences among localities provide additional support for local production and use. This is not to say that straight rods never moved through trade, but it is likely that the majority were probably made and used within a community, rather being made in one place and used in another.

Sub-triangular Type IV artifact metrics tell a slightly different story. The metric results from this tool type are mixed in terms of significant difference. The width, thickness and weight are significantly larger in Lake Nokomis specimens. Lake Nokomis average length is also larger, although not statistically significant. These overall differences are most readily explained by local production of formalized wider sub-triangular Type IV tools at Lake Nokomis. These types of tools were far more common in the Lake Nokomis assemblage proportionally forming 44 percent of the Type IV assemblage from that locality. Conversely these tools were uncommon at Lake Koshkonong, making up only eight percent of the Type IV assemblage from that locality. The high proportion and dramatically different width at Lake Nokomis suggests a separate formal type being produced at that locality. While some artifacts had to be called sub-triangular at Lake Koshkonong, according to the schema used for this research, they generally did not have the same type of formalization of the wider build, often coming to a point on at least one of the lateral margins (Figure 6.29). In this case, it is likely that the schema has masked a typological difference that the makers of these tools would have recognized.

The fact that the lengths of sub-triangular Type IV artifacts are not different may be caused by several variables. One possibility is that more of this type of tool was being traded between localities than the straight rod Type IV tools. This may have been enough to bring the length measures closer together, but not enough to completely mask the smaller locally made Lake Koshkonong sub-triangular Type IV artifacts. Another possibility is a shared intended use

for slightly-wider-than-straight-rod tools that dictates an ideal length, so that when they are locally produced, they still come to a common length due to more demanding common usage standards shared by the communities at both localities. In either case, this result in the aggregate indicates separate manufacturing populations for most of these sub-triangular Type IV artifacts, especially because of the evidence for a separate formal type at Lake Nokomis.

Conical points were similar to straight rod tools in that all four dimensions were larger in the Lake Nokomis assemblage. The consistency of the larger metric measurements in Lake Nokomis conical points indicates separate manufacturing populations for the conicals from these two localities. The existence of separate manufacturing populations is an indication that this tool type was also made locally to local size specifications and did not get traded very often. The local morphological combinations for this tool type also corroborate this conclusion. Specifically, both the proximal morphology and cross-section shapes are found in significantly different proportions in the two study assemblages.

Bladed projectile points had very different results than the conical projectile points. As a broad group, the metric dimensions indicate that the bladed projectile point assemblages from both localities do not come from separate populations. In fact, higher averages alternated between the two study localities with Lake Koshkonong specimens having larger average length and thickness measurements and Lake Nokomis specimens having larger average width and weight measurements. Since the metric measures suggest bladed projectile points all come from a single population, it is likely that either they were not made locally, or they were made locally, but were more often traded than used and deposited locally.

A comparison of the size of the only bladed projectile point sub-type common to both assemblages, the Type I-A bladed projectile point style, illustrated the presence of two separate

sub-sub types, large and small, and perhaps even more importantly, the fact that both localities had examples of both sub-sub-types. The average sizes of the objects in each of Type I-A sub-sub types were also not significantly different from one another, suggesting that they do not come from different manufacturing populations. This indicates a strong link between the two communities in terms of Type I-A bladed projectile points, which strongly suggests that this type of artifact was being regularly moved between communities. Regular physical movement of Type I-A bladed projectile points would allow for the population they initially came from to be more randomly dispersed between these two nodes than other types of locally made and used artifacts.

Knives were the final common tool type between the two localities, and they form a significant minority of the total assemblage from both locations. The average length, thickness and weight of the separate knife assemblages were all non-significant for differences between the two localities. The one metric that was significantly different was width. The Lake Nokomis knives averaged 4.8 mm wider than their counterparts in the Lake Koshkonong assemblage. When similarly shaped blunted crescent knives are compared, the difference is magnified. Even though there were more blunted crescent knives in the Lake Koshkonong assemblage, in absolute numbers and as a proportion of the knife assemblage, they were significantly thinner than the Lake Nokomis versions. These results are similar to the situation illustrated by the sub-triangular Type IV artifacts. In this case however, only one dimension is significantly different. Given that three of the four dimensions are the same, it is likely that knives were also being moved around the region. The difference in width likely comes from more dispersed local knife production than was the case with the Type I-A projectile points. In this case, it is likely that knives were being made to local specifications at each locality, but that some knives were being traded between the



localities. The results of the metric analysis suggests that knives made in the Lake Nokomis community tended to be wider than those made in the Lake Koshkonong community. It is possible that knives (and Type IV sub-triangulars) were made wider because the original raw material package sizes were bigger in the more northern locality. However, some of these knives must have been moved to facilitate the mixing of the samples evident in the length, thickness, and weight metric measurements. Furthermore, the morphological combinations evident in the knife samples from each locality indicate thorough mixing of types as well.

#### *7.2.4 Assemblage Composition and Artifact Production*

The two localities have significantly different assemblage compositions (Figure 7.1). The statistical difference in the types of objects found at each locality indicates that they are not randomly or evenly distributed from the same population. Overall, the assemblage composition implicates either local production or network trade as the mode of procurement since the assemblages are so different and neither can be characterized as a subset of the other.

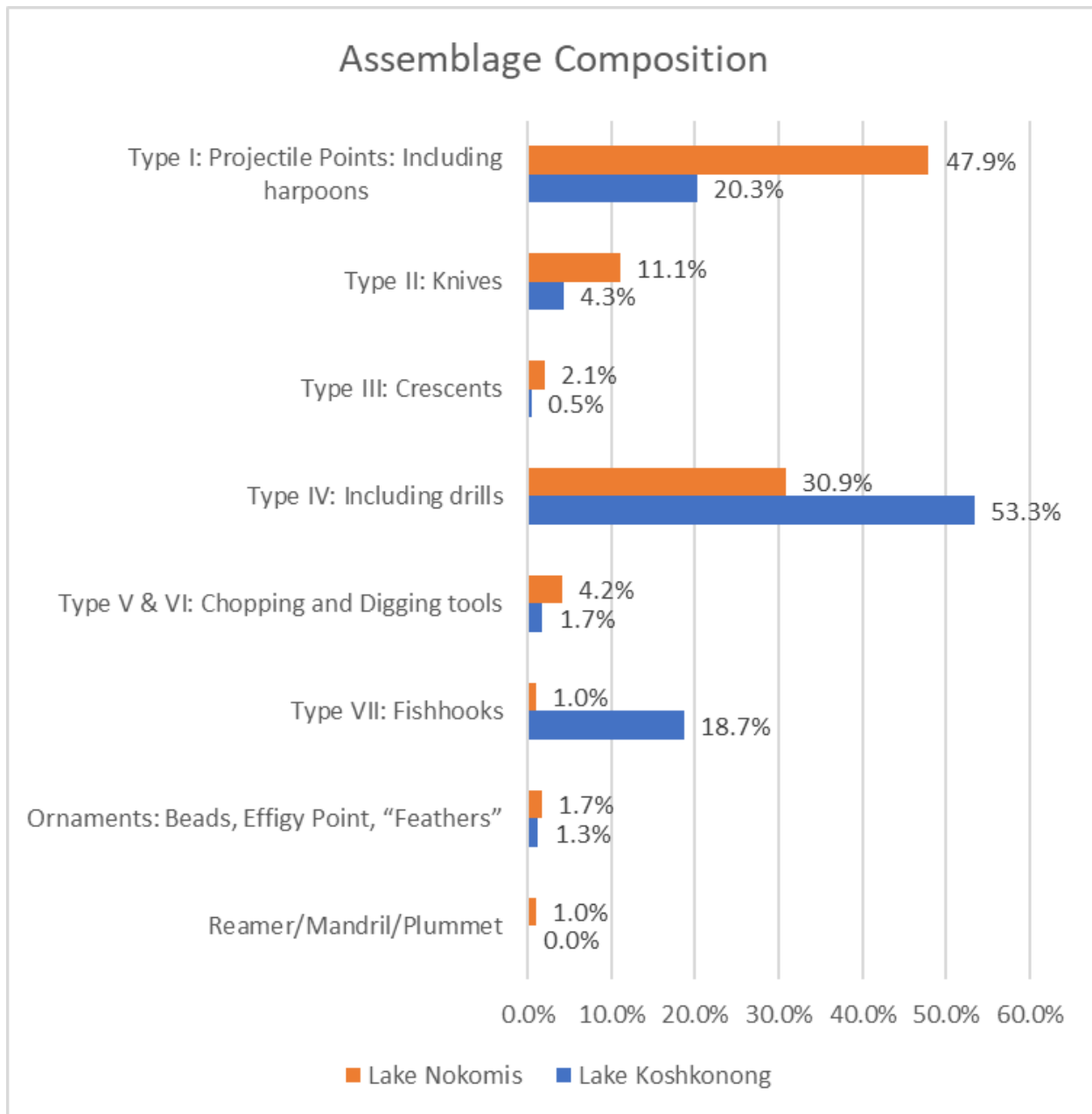


Figure 7.1. Comparison of the Assemblage Composition at the two study localities.

#### 7.2.5 Chemical Composition and Artifact Production

The chemical composition of finished artifacts reflects raw material procurement behavior more directly than manufacturing behavior. However, the different modes of raw material procurement through trade can be expected to have different results on the chemical compositions of their respective assemblages. For the study assemblages, the aggregate chemical

compositions could not be systematically differentiated from one another for unknown cases. However, there was evidence of several clustered compositional outliers in the Lake Koshkonong sample, suggesting that those artifacts may have come through a different procurement process than the majority of the artifacts which largely overlapped one another. This result is consistent with the trade network model of procurement. This result also corroborates Hill and Jeske's (2011) findings for Lake Koshkonong locality copper compositions.

On the other hand, Lake Nokomis compositions were statistically more variable than the Lake Koshkonong compositions. The decreased chemical variability in the Lake Koshkonong sample can be reframed as the result of being a subset of the chemical compositions in the Lake Nokomis assemblage, which is more consistent with the down-the-line trade network model. As has already been demonstrated above, it is likely that a significant proportion of the assemblages from each locality were locally made, so that this conclusion may apply more to the modes of procurement than the modes of production. Given the evidence that raw material, rather than finished goods, was being traded it follows that tools were being produced locally from the raw material procured through trade.

### ***7.3 Evidence for the Modes of Raw Material Procurement***

#### ***7.3.1 Copper Compositions***

The mode of raw material procurement would be most directly addressed by characterizing a large sample of both raw copper and debitage from both localities. Even though the data collected for this research was a small sample of mixed debitage and finished artifact compositions, the results can still shed some light on this area. As noted above, the

compositional results indicate that the copper from both localities largely overlap. This suggests that the majority of the copper was obtained from a similar source. Since the local float copper at each locality would be chemically distinct, as described in Chapter Three, it is most likely that most of the raw material being used to produce the debitage and tools found at these localities, is coming from the same source. Based on the table of expectations (See Table 7.2), this fits most closely with either a direct procurement from the primary source model, or a trade network model. Since the morpho-metric analysis indicates that trade is occurring, and regular direct procurement forays would require extraordinary effort, it follows that the simplest procurement source for the raw copper was through trade. Trade of raw material would fit the compositional results relatively well.

The type of trade likely responsible for the movement of raw copper appears to be a combination of both the down-the-line and trade network models. The expectation that the more central Lake Nokomis locality's chemical compositions are more variable is met by most of the data in the sourcing sample. Down-the-line trade is expected to produce a compositional subset of the Lake Nokomis copper compositions in the more peripheral Lake Koshkonong assemblage because the more central locality would have access to a more comprehensive set of copper compositions. The Lake Koshkonong community would have access to only the copper being sent down the line. This appears to be the case for the majority of the artifacts in the sample. At the same time, there is a small cluster of peripheral compositions in the Lake Koshkonong sample. These clustered outliers from Lake Koshkonong are likely to come from a geologic source other than the Lake Nokomis branch of the network. This peripheral subset of the sample best fits the non-directional trade network model as an example of incorporation of copper from an alternate network connection. It is possible that these samples come from locally procured

float copper and not a network connection. Given the length of the Old Copper Complex, providential discovery of float copper is likely to have happened occasionally. However, a more reliable source would be an alternate branch of the social network, who got the raw copper from a non-primary source context, with a greater concentration of copper. The most likely scenario would be an exchange with a group to the east, who ultimately got their copper from the copper rich glacial tills in the northern Lake Michigan basin. This scenario would mirror the results reported by Hill and Jeske (2011) for the Red Ocher copper from the Jaco Site.

### *7.3.2 Economizing Behavior and Modes of Raw Material Procurement*

Typologically, the Lake Koshkonong assemblage is dominated by relatively simple Type IV artifacts, followed by fishhooks and conical projectile points. Other types of tools in the assemblage are relatively incidental in terms of absolute numbers. There were only 20 bladed projectile points (3% of the total assemblage) and 27 knives in the study assemblage. There were three crescents, but none of these were of the more recognizable and formalized double tanged variety. Most of the chopping or digging tools are relatively small chisels rather than copper-heavy axes, adzes or spuds. The general trend for the Koshkonong assemblage is one of efficiency in copper use, the most common objects are relatively small and copper-efficient, and the assemblage does not have a lot of the larger more copper intensive tool types.

Typologically, the Lake Nokomis assemblage is dominated by projectile points including both bladed ( $n = 33$ , 10% of the total assemblage) and non-bladed styles ( $n = 105$ , 33% of the total assemblage). Type IV artifacts are the next most common type in this assemblage followed by knives. Other types of tools, including crescents and the heavier duty tools such as chopping and digging tools are also found in the assemblage in low numbers. The crescents in the Lake Nokomis assemblage are the bladed double tanged style. The heavier tools included several

billets and a spud, which have heavier builds, along with several chisels, which have slighter builds. The general trend for the Lake Nokomis assemblage is one of robust copper tools, as a larger proportion of the assemblage is made up of relatively copper-heavy items such as bladed projectile points, knives, and crescents. Additionally, the comparable locally made artifact types are physically larger at Lake Nokomis than they are at Lake Koshkonong.

These observations suggest that the more peripheral Lake Koshkonong assemblage shows good evidence of economizing behavior. The tools that were made there from the raw material they were able to procure are relatively smaller across the board. In all cases of metric comparison for locally made tools, the Lake Koshkonong tools are smaller. The Lake Koshkonong community also chose to make tools that require less copper per tool, thus stretching the absolute number of tools that could be made from each unit of copper. These observations are consistent with the down-the-line model of trade, suggesting that the community at Lake Nokomis had greater access to copper raw material than the Lake Koshkonong community. This result is consistent with trade of raw material from the more central Lake Nokomis toward the more peripheral Lake Koshkonong.

### *7.3.3 Directionality, Centrality, and Modes of Raw Material Procurement*

The results from analysis of the knives and bladed projectile points indicate particular directions of links within the network. The results from the knife assemblages demonstrated that they came from a shared population. The exception, the wider knives from Lake Nokomis, help to prove this conclusion by revealing the type of knives most likely made at the Lake Nokomis locality (Wide bladed blunted crescent knives). Since the rest of the metric dimensions were mixed enough to appear to be from the same population, it follows that some of the knives being made at Lake Nokomis, were not staying there, but were moving around the region. These traded

knives then show up at other localities, such as Lake Koshkonong, and when analyzed help to create a highly variable, but undifferentiated regional knife assemblage. This is good evidence for mixing of knife assemblages through multi-directional exchange.

Similarly, the bladed projectile point assemblages from the two localities were also the same average sizes, indicating a mixing of the bladed projectile point population in the region. Again, like the knives, bladed projectile points may have been made in particular ways using local habitus, but were then moved to other nodes in the network, where they were deposited into the archaeological record, and helped to homogenize the aggregate metric measurements of the two study localities. However, the difference between the knife assemblages and the bladed projectile point assemblages is the relative amount of variety in those two assemblages from the two localities. Whereas typological variety of knives is about equal between the two localities, bladed projectile point variety is not at all equal in the two study assemblages.

When examined, the distribution profile of both large and small Type I-A points at both localities makes this conclusion even more likely. Type I-A points are also the best evidence for the uni-directional movement of some kinds of copper. The only recognized type of bladed projectile point in the Lake Koshkonong assemblage is the Type I-A of both large and small varieties. In contrast, the Lake Nokomis assemblage has nine different types of bladed projectile points. Since more central places, or crossroads, tend to have more diverse assemblages (Rivers et al. 2013:130) it follows that the community at Lake Nokomis did act as a crossroads (or more central) locality in the Old Copper Complex. The reason for increased artifactual diversity at more central places is because of the greater number of connections between different groups of people and their material goods. In this case, the wide variety of bladed projectile points likely roughly represent the Lake Nokomis community's wider variety of connections with peripheral

communities, each with their own habitus concerning the manufacture and exchange of bladed projectile points. The dataset from Lake Koshkonong is very clear about that community's habitus for bladed projectile point manufacture; there was only one right way to do it, the Type I-A style. Yet it was a very minor style in the Lake Nokomis assemblage, suggesting that they likely received their Type I-A projectile points from the same place as the Lake Koshkonong community. This situation appears to be a good example of south to north directionality in this Archaic Great Lakes social network (Steinbring and Sanders 1996).

One critique of the above arguments is that since both communities can produce complex bladed tools there is no reason or motivation to trade them. However, the stylistic and metric differences in the simpler tool types for the two localities demonstrate that different copper manufacturing habitus existed in the two communities. Given this difference in copper manufacturing behavior, phenomena such as the movement of individuals or accidental parallel technological development, do not appear to be sufficient to explain the undifferentiated metric measurements of this complex bladed tool sample. These explanations are insufficient because large complex bladed tools should be affected by the local copper manufacturing habitus as surely as the simpler tools were. It would appear then, that utility, or technomic (Binford 1962) value was not the primary motivation for moving large, bladed tools around the region. Rather, they were likely exchanged for more social reasons. In Binford's terms large, bladed copper tools do appear to have functioned in both the social and technomic frames of reference. The social frame of reference for these objects likely involves a culturally significant, social, ritual, or cosmological link between the two communities. This link is probably the result of socially significant extra-local relationships that incorporated trade. One possibility is that finished bladed projectile points from the more peripheral nodes in the network were exchanged for raw



or pre-formed copper from more central nodes in the network. This scenario would also fit with the chemical compositional data.

The opposite north to south directionality can be glimpsed in the chemical composition results, which suggest that the Lake Koshkonong compositions are a subset of the Lake Nokomis compositions. That scenario could have been produced through raw copper movement from north to south from Lake Nokomis toward Lake Koshkonong. The increased chemical variability could be due to better access to copper sources in the north. The wider selection of copper may have produced a wider distribution of compositions. Only some of the copper procured by the community at Lake Nokomis entered the trade network, leaving the Koshkonong community with a smaller sample of all copper sources.

In summary, this research suggests that there were multi-directional links between the two study localities. Certain point types are likely to be regional variants (Steinbring 1975). Small numbers of these variants appear at Nokomis, but not Koshkonong. The differential distribution of points, coupled with the divergence of copper source variation, indicates that at least some finished bladed projectile points were transported toward the center of the network, while raw copper was transported toward the periphery of the network. This conclusion is most consistent with the trade network model (multi-directional rather than uni-directional), though it incorporates elements of the down-the-line model as well (the presence of more central and more peripheral places).

#### ***7.4 Implications for the Lake Superior Model***

The Lake Superior Model (LSM) posits that the long-distance distribution of copper artifacts reflects a socially and environmentally adaptive copper trade network, sourced from the

Lake Superior mines and radiating outward. An important corollary of this model is that copper artifacts are often interpreted as objects used for hierarchical signaling, due to the copper's supposed exotic nature. This summation can be critiqued using the data presented above.

The core of the LSM is the existence of a copper-based trade network in the Great Lakes. This very general idea is supported by the data from this project. The chemical composition results suggest that raw copper was being moved, at least between the two localities in this project. The knife and bladed projectile point results indicate movement of these types of finished artifacts within that network as well. However, this support comes with multiple caveats.

First, the presence of a greater variety of bladed projectile points in the Lake Nokomis assemblage is reflective of its more central position in the network and supports the idea that the Lake Koshkonong community is more peripheral. If this interpretation is accurate, then it would mean that finished bladed projectile points must be moving from peripheral localities toward the center, or possibly in both directions, but certainly not in a strictly outwardly radiating pattern from Lake Nokomis as would be predicted by the LSM.

Second, the results from morphometric analysis of the most common types of artifacts in each of the study assemblages indicate that these types of artifacts were not being regularly traded between these two localities. Four weak links were demonstrated in terms of the size and morphology of straight Type IV artifacts, sub-triangular Type IV artifacts, fish hooks, and conical points. These results suggest that these tool types come from different populations. The presence of copper debitage at both localities is an indication of a robust local manufacturing tradition at both localities. These two factors suggest that these more common artifacts were made locally. This result contradicts the tendency of the LSM to over-generalize about which

artifacts were acquired through a trade network. According to these results, the majority of copper artifacts found at each locality were made locally. The consumption of copper through a significant amount of local copper manufacturing would tend to increase the demand for raw copper. This increases the likelihood that it was primarily raw copper being moved through the network. While both localities would potentially have access to locally procured float copper, the need to maintain a steady reliable supply would tend to increase the amount of raw copper being exchanged within the network.

To review, the results of this study partially support the idea of a copper trade network, which lies at the heart of the LSM. However, these results also severely limit the contents of that network to raw copper and large, complex, formalized copper-heavy tool types like knives and projectile points. Based on the results of this study, most other types of copper artifacts appear to be made locally. These results also challenge the directionality of the LSM because they show that some copper was moving back toward the center of the network.

The results of this study can also be used to examine the corollary ideas often accompanying use of the LSM. The primary corollary can be summarized by the following line of reasoning. The presence of copper is evidence of a trade network, evidence of a trade network means the copper was seen as exotic, and exotic materials were used for hierarchical signaling. There are several problems with this set of ideas.

First, evidence of a copper-trade network does not necessarily mean that copper was considered exotic. If copper was being traded multi-directionally within a network of forager communities, it is likely that these trades were being conducted with neighboring or adjacent groups (Binford 1982; Sauvet 2019:192). In this case, there would be several copper-using communities between Lake Koshkonong and Lake Nokomis, and others to the east and west as

well. For example, as early as the beginning of the twentieth century several clusters of highly copper-productive sites were recognized, including the Green Lake area in central Wisconsin and Madison area in south central Wisconsin, which are both situated between the study localities (Brown 1903:58). It is likely that there are several other copper-using localities in between these places as well given the generally understood size of hunter-gatherer supply territories on a scale of about 30 - 50 miles (Binford 1982). Wittry (1950:42) recorded several additional concentrations of copper artifacts in the intervening territories. If these communities were in regular economic contact, forming a social network, copper would likely have been seen as a readily available material, procured from a neighbor when needed, rather than a special material only available after an extremely arduous labor of procurement from a single distant source. While it is likely that much of the copper in this network originated in the pit mines of western Lake Superior, it would have been equally as easy to incorporate locally procured glacial float copper into the network from any point as well. This later scenario is the best fit for both the compositional and morphological results from this study.

Second, the data from this study also indicates that most of the copper at a given locality was being made into relatively simple utilitarian tools (Type IV artifacts, conical points, and fish hooks) according to a local habitus. At the very least, this contextualizes the meaning of copper for these communities: it was a material for making tools. Whether or not it was a material for making tools that demonstrated one's status cannot be fully evaluated using the data from this study. These tools seem to be from habitation contexts and often displayed evidence of damage caused by use. Many of them were even repaired and reused. Generally, these are not traits found on objects used for social signaling. Objects used for display of status are often over-sized and pristine looking, in order to maximize the social capital produced by ownership of such an object

(Jeske 2006). The relatively smaller size and higher rate of use-damage of locally made artifacts from Lake Koshkonong, where they should be more socially meaningful according to the LSM, suggest that they were conserving copper by making copper efficient objects (Jeske 1989, 1992), rather than large conspicuous objects. The larger size of those same types of locally made Lake Nokomis objects is probably more a reflection of the accessibility of copper at that locality, rather than its use as a prestige good, though that possibility cannot be entirely discounted with the data available. However, because these types of common objects showed about the same rates of use damage as their counterparts in the Lake Koshkonong assemblage it is likely that they were used for similar types of logistical tasks that cause use-damage and require repair.

Since copper was not necessarily a long-distance exotic material, and the copper objects made with copper procured from the trade network were used, damaged and repaired, it is apparent that copper was not only seen as a material for signaling social status. In most cases it was seen as a logistically useful material. If it was not always, or even often, seen as an extravagant material, then it is less likely that it was used to signal status. The data from this study seem to indicate that it was most often used for logistic tasks. Like other materials, such as bone or stone, it could be made into special objects used to signify identity or status, but this was likely not the norm. This corollary of the LSM should be largely disregarded, other than in cases where it is specifically warranted by context, such as burial, votives, or caches.

In practice the LSM functions as a model of copper diffusion, with concomitant over-generalization, lack of structure, and over-reaching corollary ideas. The results of this study indicate that there probably was a trade network in operation during the Archaic in the Western Great Lakes, but also that its operation was likely more locally organized, and less concerned with status, than the Lake Superior Model implies.

## ***7.5 Implications for Archaic Western Great Lakes Forager Community***

### ***Formation***

The results reported for this study indicate that a local and inter-generational copper manufacturing habitus existed in the communities at each study locality. This habitus would be the product of strong, intra-community links between individuals with multiple shared connections (McCulloch 2019; Milroy and Milroy 1985; Ryan and Gross 1950). These communities were small, tight-knit groups of foragers connected through kinship, probably most often maintaining a steady status quo in terms of community behavioral expectations and norms for logistical strategies (Pleger and Stoltman 2009; Sauvet 2019:193). However, the abundant evidence of a shared copper-based technology, indicates that there were at least weak links between the two study localities. This is potentially evidence for early development of a regional extra-local community.

Foragers have generally lived within an exchange network (rather than territories) (Sauvet 2019, Wobst 1977), suggesting that even Paleo-Indian and Early Archaic Native Americans living in the western Great Lakes would have maintained knowledge of and relationships with neighboring groups. However, those groups were more mobile and less restricted by neighbors, so it is likely that those networks were more fluid and less regularly connected. One fundamental difference between these early extra-local communities and those that began to form during the Middle and Late Archaic is the degree of structure, or regularity in the network. This structure is reflected in the archaeological record of the two study localities and the broader regional archaeological record from that time.

During this period is when the first evidence of population circumscription occurs in the region (Pleger and Stoltman 2009). This shows up in the archaeological record in the form of

conspicuous cemeteries and an increase in ground stone technologies (Pleger and Stoltman 2009). These adaptations indicate that boundaries needed to be marked (cemeteries) because of the presence of regular neighbors, and resources used more intensively (ground stone) due to a relatively more restricted supply zone. This more structured relationship also shows up in the study assemblages in the form of formalized knife and projectile point morphology, and a shared networked supply of raw copper.

In this new social situation, development of formalized relationships between communities would be expected to arise (Bradley 1993). Evidence for this formalization can be found in the bladed projectile point assemblages from the two study localities. The wide variety of bladed projectile points at Lake Nokomis has already been interpreted as evidence of its more central location. When compared with the single-style bladed projectile point assemblage from Lake Koshkonong this variety suggests that bladed projectile points were a formalized exchange item, an object that communicated one's participation in the extra-local Old Copper community, as well as one's more local copper-using community identity (Sauvet 2019:198). The distribution of bladed projectile point styles in the two study assemblages seems to indicate that they were a regular part of trade, perhaps something that was expected in order to participate in, initiate, or continue a regular trade relationship. Given the degree of formalization and metric similarities in the knife assemblage, it appears that they were part of this system as well.

Once local foraging bands were in contact with other copper-using communities, ideas could be shared, and techniques and norms borrowed. In this study, this type of cultural borrowing is evidenced by the presence of functionally identical copper tool types at both localities, with significant differences in metric and non-functional morphological features. The general similarities between the assemblages indicate participation in a shared regional logistical

strategy, though there may or may not have been significant cultural differences between the communities utilizing the two study localities.

However, this still leaves the question of the initial development of this system. Small strongly linked networks are generally culturally conservative and self-reinforcing. How then would an innovation like copper-use, make its way into these types of communities? The use of copper in its natural state does not immediately lend itself to the successful forager lifestyle. There are two primary issues with its adoption. First, it takes a great deal more time and energy than flint knapping to produce a tool (Stern et al. 2018). Second, at least in the Lake Koshkonong region, it is a much more difficult raw material to obtain than knappable stone. This second point may be diminished to a nearly equal status for the Lake Nokomis region, which has no primary outcrops of either stone or copper in the immediate vicinity.

Several researchers (Granovetter 1973; Milroy and Milroy 1985) have noted the critical role of weak links in social networks. The weak links noted above indicate that very few interactions were occurring regarding most artifact types. However, this means that there were some interactions taking place, between communities concerning those artifacts, just not very many. This suggests that only a few individuals from each community were doing the interacting. If whole communities were having regular interaction, then we would expect the morphology of the common tools to be more similar, due to development of a shared habitus.

It follows then that the theoretical individuals forming weak links between communities would meet up with a copper-using community, learn something new about the use of copper that was happening in that community, then take that knowledge back with him or her to their own community. Those new ideas would then be promoted in the local community and would eventually either be accepted or rejected. The use of fish hooks at the two study localities is a



good example. Fish hooks were apparently an idea that was tried in the Lake Nokomis community ( $n = 3$ ), but did not catch on. In the Lake Koshkonong community ( $n = 118$ ) it was one of the primary uses for copper. Since copper fishhooks can certainly be used to fish in rivers as well as lakes, the differences in fishhooks cannot simply be accepted as a result of environmental differences. If Lake Nokomis fishers used spears rather than fishhooks they did so despite knowing that multiple types of fishhooks were in use at Lake Koshkonong and chose to continue with spear fishing. In this case, a weak link related to technology did not result in adoption of that technology, even though it was a perfectly feasible way to exploit the environment—even as a supplement, if not a replacement for spear fishing.

It was through these people, with contacts and relationships in two or more local communities that innovation had the opportunity to spread (Granovetter 1973). Once the use of copper was adopted in a new community, it took on its own economic life, with supply and demand influencing the frequency and intensity of interactions between neighboring communities. In this scenario, the newly developing extra-local community is only directly participated in by the individuals traveling from their home community to neighboring communities. The cultural distinctives of that larger scale community would then be filtered through the local community's habitus, which would result in local distinction in a regional pattern.

Perhaps as the use of this technology developed, those peripheral individuals who were willing to travel between communities bringing copper and knowledge of copper to each, realized their privileged position and began to leverage that position for status in those communities. The general archaeological record of the area suggests that status differentiation did not happen very quickly, though it did eventually happen toward the end of the Archaic

period (Pleger 1998) as evidenced in the Red Ocher and Glacial Kame Complex burials found across the Western Great Lakes. Interestingly, copper was more often buried with women and children than with men in these later Archaic settings (Pleger 1998, Hruska 1967). It is possible that exogamous marriage and women were as much responsible for the spread of copper and copper knowledge as anything else. As formalized extra-local relationships continued to develop and become more rigid, so too significant amounts of influence and therefore status, became more accessible to aggrandizing individuals. In this scenario, aggrandizers used copper, a material they had developed special access to, in order to materialize and signal their higher-status identity both to their local community and to the extra-local community. During the Transitional and Early Woodland this would cause a transition in the type of demand for copper from logistical concerns to social signaling, culminating in the production of some truly spectacular copper artifacts during the Middle Woodland.

However, these were not concerns for the Archaic communities that form the core of this research. Those communities used copper to make tools. They procured that copper through a weakly linked network of largely egalitarian communities very similar in most regards to themselves. Enterprising individuals, relatives, or small groups probably made regular visits to well-known neighboring communities to bring their unique contributions to the new, larger, more consistent regional community, to trade for raw copper, and to learn what other communities were doing with their copper. These ideas and materials were filtered through the local way of doing life and produced the rich, varied, yet strikingly similar archaeological record examined for this dissertation.

## CHAPTER 8

### Conclusion

#### *8.1 Introduction*

The archaeology of the Archaic Tradition in the western Great Lakes has long suffered stagnation caused by adherence to the essentially diffusionist Lake Superior Model of copper distribution (LSM). This stagnation has largely occurred because the theory of cultural diffusion removes agency and relationship from the people it is attempting to explain. In the case of the western Great Lakes Archaic, this means that the new and important economic and social relationships that developed between neighboring foraging bands has been overlooked due to the generality inherent in the LSM. This dissertation has addressed this challenge by analyzing two assemblages of copper artifacts in light of advancements in Social Network Analysis (SNA) methods. The goal of this research was two-fold:

1. To examine and critique the Lake Superior Model using the available data and clearly defined and repeatable archaeological methods.
2. To better understand how social networks may have been involved in the creation of emergent cultural phenomenon in the Archaic period of the western Great Lakes region, specifically the development of social inequality and the process of community formation.

The critique of the Lake Superior Model was addressed by first clearly defining it. The components of this model include (1) the presence of thousands of pit mines on copper sources in the western Lake Superior Basin where Native Americans slowly and painstakingly extracted

a great deal of raw copper, and (2) the recovery of thousands of copper artifacts made by Native Americans in regions all around the Great Lakes, with especially dense concentrations to the south. These two well demonstrated facts have long been used to hypothesize the presence of a trade network in the region, a hypothesis that while quite reasonable, was untested until recently. This lack of rigor has caused several problems. First, it has allowed for untestable hypotheses about the social significance of copper artifacts to proliferate. Second, this has caused significant stagnation in the progress toward understanding the people inhabiting this region during this period and their relationship with the Old Copper Complex. This dissertation has sought to collect a significant amount of relevant data that could be used to either clarify or refute this model of copper distribution.

This was accomplished through the use of four types of copper artifact analysis. A new, comprehensive schema designed to describe the morphology of all the copper artifacts in the study collection was developed and deployed. The preliminary copper artifact typology developed by Wittry (1950, 1951) and expanded on or minimally adjusted by later students was largely ineffective in capturing the morphological data necessary to critique the LSM rigorously. This is primarily due to its top down approach, meaning that artifacts are fit to a type before their morphology is fully understood and described. This means that some artifacts do not have a type at all and cannot therefore be fit into the system, while most other artifacts have minor morphological variations that do not fit the short definitions offered by the typology. In contrast, the newly developed schema employed here is more effective at capturing morphological variation and is applicable to all types of copper tools because it builds up from observed morphologies to a type. The new schema proved effective at illuminating morphological differences between copper artifact types from the two study localities. With the addition of a

few morphological variations, this schema would work well for characterizing copper artifacts from any Old Copper Complex context. This allowed for clear and consistent description of highly variable copper artifact types. It also gives insight into the actual manufacturing behaviors used at the two study localities.

Next, consistent basic metric measurements were taken for each copper artifact. Like the morphological observations, this analysis also allowed for a rigorous direct comparison of the artifact assemblages from the two study localities. While size measurements have always been a part of artifact studies in general, they were used here to get a glimpse of the manufacturing behaviors and tendencies used by coppersmiths at the two study localities. These measurements helped to show that there were strong local manufacturing tendencies, which helped to define the two nodes as separate tight knit communities.

A use-damage inventory was completed for each of the artifacts in the study assemblage. Due to the tendency of copper to develop a heavy patina, this analysis was difficult and often frustrating. However, in the end, nearly half of the artifacts revealed at least one instance of use-damage. Given that much of the lighter use damage would have been covered by heavy patina it is clear that most of these copper artifacts were made as and used as utilitarian tools. This directly contradicts the LSM corollary hypothesis that exotic copper was primarily used as a social signifier of higher status during the Archaic.

Finally, an LA-ICP-MS chemical composition analysis was completed for a sample of the artifacts from each locality. This analysis provided data about the source of the copper being made into artifacts. A comparison between primary copper source compositions and artifactual copper was initially a desired component of the research plan but turned out to be beyond the scope of this study. Ultimately, this was advantageous. The direct comparison of copper

compositions between the two localities revealed that the copper was quite chemically heterogenous and statistically indistinguishable. This suggests that most of the copper used at both sites was derived from the same source or sources, wherever those might be. In the end, the most likely explanation for this is an active physical trade network, incorporating and mixing copper from multiple sources and distributing that mixed copper roughly indiscriminately to the nodes of the network.

These results partially support the Lake Superior Model as defined above. The results support the idea that there was a trade network moving copper around the Great Lakes region during the Archaic period. These results have also indicated, for the first time, some of the parameters of that network. The trade network appears to have moved copper raw material to nodes across the western Great Lakes, where it was used to create locally distinct tool assemblages. The network also appears to have carried complete formalized bladed tools between nodes as well. These conclusions are interpreted to mean that copper was not a particularly potent social signifier during the period of the Old Copper Complex. Additionally, the participation of local communities at multiple geographic loci in the trade of raw copper and finished bladed tools does suggest the nascent formation of extra-local community. Given this, it is reasonable to interpret the trade of bladed tools between nodes as an expression of belonging to the extra-local community in the region.

## **8.2 *Broader Impacts of Research***

### **8.2.1 *Grounding of Great Lakes Archaic Theory***

This dissertation provides four broad contributions beyond its immediate scope. The results of this study exemplify a productive way forward for Great Lakes Archaic copper studies.

These results show that by using the combination of compositional, use-damage, and morphological and metric analyses copper artifacts and the assemblages they make up can bear anthropological fruit. Going forward, speculation about the alleged exotic nature of copper or its social significance can be set aside, at least until more compositional data are collected and brought to bear on the problem. Then, once the data are gathered, Social Network Analysis should be used as the framework to tie not only the data together, but the sites that data come from, and ultimately the people who produced the artifacts. This brings Great Lakes Archaic theory building down from the heady state of untestable hypotheses (or conjecture) to the ground where predictions can be made, and those ideas can be tested using traditional archaeological field and lab procedures. Real testable progress in the area of the Old Copper Complex and the Archaic Tradition of the western Great Lakes will have a great deal of bearing on understanding the later Woodland traditions that appear to have continued to elaborate on the cultural systems first evidenced during the Old Copper Complex in and around Wisconsin.

### *8.2.2 Broader, simpler application of SNA*

This dissertation illustrates how helpful Social Network Analysis (SNA) can be in archaeological settings. Most archaeological applications of SNA involve development of relatively complex mathematical justifications for links between nodes and the use of computer-generated network graphics to display those links. However, this dissertation shows that a simpler application of the basic concepts of network analysis is quite effective at generating solutions to old stubborn anthropological problems, such as the nature of the Old Copper Complex. The most critical SNA concept applied to this problem was that scale-able nodes are connected by data-defined links. The nodes in this study were chosen because they were both locations that produced copper artifacts. This provides a single link between these localities. This

dissertation illustrated several other kinds of links and several ways in which the nodes were not linked. This helped to demonstrate that there was a physical trade network between distinct communities and what the trade network most likely conveyed. This technique could be used within any archaeological context without the need to develop specialist capabilities in statistical or computer science. In the case of the Old Copper Complex, new locations, with similarly sized copper artifact assemblages, could be incorporated into (or out of depending on the results) the network begun here. In other archaeological cases, sites with superficial similarities could be tested using a suite of analytical techniques similar to those employed here, to determine what type of links existed between those potential nodes.

### *8.2.3 Efficacy of Archaeologist – Collector collaboration*

Recently there has been a partial resurgence in professional archaeologist – responsible collector collaborations. This resurgence has been partial because it has been met with some opposition from the professional side, as evidenced by interactions between colleagues at recent Society for American Archaeology conferences. At a meeting of the Archaeologist-Collector Collaboration Interest Group during the 2017 conference, there was some heated debate between those who felt that any collaboration with any collector was professionally unethical and those in the group who have conducted successful research with responsible collectors. Regardless of this resistance, this dissertation represents the potential of one of those collaborations. Progress in our understanding of the Old Copper Complex will only come about through collaboration with avocational archaeologists and collectors who have the applicable datasets in their possession. While this does not give professionals an open license for working with all collectors or avocationalists, our work needs to be done ethically for multiple reasons, it does illustrate that avocational collections research can be archaeologically and anthropologically fruitful. This is



not only a concern for Old Copper scholars. Many pre-contact sites in the United States are privately owned, especially in the Eastern Woodlands. For reasons too numerous to enumerate here, the most efficient and archaeologically profitable path forward is to engage with, learn from, and hopefully educate the local experts on those sites. This method is the most efficient system for accomplishing our goals, including site preservation and archaeological data collection among other things.

#### *8.2.4 Application of LA-ICP-MS to copper studies*

One newer analytical procedure that was used for this dissertation is still in the process of being developed. Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry was used to determine the chemical compositions of copper artifacts from the Bussey Collection. This data showed that while the copper was relatively heterogeneous, the compositions at each location had essentially the same heterogeneity. While this result is suggestive of the use of a trade network to distribute compositionally heterogeneous material, the methods used to get the result will continue to be refined. What these results do reveal about the LA-ICP-MS method is that they continue to have great promise for determining the composition of copper artifacts. Several avenues of application will be discussed in the section on future research.

### **8.3 Future Research**

#### *8.3.1 Using LA-ICP-MS for Copper Artifact Studies*

LA-ICP-MS techniques have proven to be highly effective at determining the composition of copper artifacts in recent years. However, there are several outstanding questions that need to be addressed in the near term. First, copper is a highly malleable metal, and as such it lacks the consistent molecular structure found in other artifact materials such as obsidian or

man-made glass. One study that needs to be conducted is an examination of the degree of compositional variation as a function of distance within a single piece of copper. This study should examine a large sample of copper objects, preferably both natural and artifactual, to determine how much the composition of copper changes within a single piece. The study should seek to determine if that variation is governed by distance within the matrix of the object, or whether it is completely random. If a model of chemical variability for copper could be constructed, it would facilitate compositional analyses and comparisons between different researchers tremendously.

Another study that needs to be conducted should look at the effect of patina development on the composition of a copper object. Specifically, the depth to which exterior elements are able to penetrate a copper object and how consistent that penetration is across the surface of the object. One exciting possibility of this line of questioning is that if a copper artifact has been lying in a particular environment, and elements are able to penetrate the copper matrix, even to small extent, it may eventually be possible to reconnect unprovenanced copper artifacts to their depositional environments. The field of copper sourcing is a long way from this point, but determining the chemical effects of patination and the capability of LA-ICP-MS to detect these effects would be a first step in that direction.

Once these aspects of copper analysis are demonstrated more plainly, large samples of well provenienced copper artifacts should be analyzed compositionally. While comparisons to source copper samples is interesting, the more anthropologically compelling comparison is between nodes. Chemically comparing copper artifacts between nodes should indicate the shape of the network being used (or not used) at any given location. Copper from across the Old Copper Complex could be tested in this way, which would begin to reveal the real shape of one

of the earliest trade networks in the new world. Additionally, a continuation of the work begun by Rapp et al. (1990), of documenting the composition of copper from different copper sources utilized prior to European contact would also be helpful. As an extension of that project, copper from glacial deposits near copper artifact producing localities should also be chemically characterized. This would allow for a comparison between glacially derived sources and direct source procurement for artifacts at these localities.

### 8.3.2 *Field Work*

Additional professional excavation work revealing further details of Old Copper Complex lifeways would be greatly welcomed. The best way to find sites applicable to this project would be to work with interested avocationalists who know where copper bearing sites can be found. If these individuals can be convinced that traditional, professional archaeology has something to offer them (knowledge) in regards to their own collections they may be persuaded to collaborate with a professional excavation, rather than simply pulling artifacts from the ground. Any medium to large scale professional excavation of a copper bearing site, would create extremely valuable context for the thousands of copper artifacts already out of the ground. One area in most need of elucidation is the relationship between copper artifacts and stone tools with seemingly parallel functions. Professional excavations have largely not documented the associations between utilitarian stone tool assemblages and their copper counterparts from the same sites. This is largely due to a paucity of evidence.

Future field work should also include continued and increased engagement with avocational collectors with copper artifacts. Some of these individuals will have strong documenting practices already and some will not. For those with good records for their artifacts, assemblage analysis should be able to contribute to our understanding of the Old Copper

Complex relatively quickly. For those without good records, educating, inventory, and cataloging work will have to come first. Regardless of the state of these collections, these types of collaborations should be considered ripe field work scenarios.

### *8.3.3 Radiocarbon Dating*

Copper artifacts are unique in their ability to preserve organic remains suitable for C14 radiocarbon dating. While rare, copper tools regularly come to light with preserved organic remains either attached or associated directly with the surface of the object. These organics can be used to directly date the inorganic object they are adhering too. Given the large degree of morphological variation in copper tools, it would be helpful to have exponentially more dates for copper artifact styles so that normal stylistic drift can be recognized, documented, and disseminated. This project would be greatly facilitated by the excavation of copper bearing sites with features or associated artifacts and ecofacts that could be readily dated as well. Proper excavation and documentation of these data sources could significantly help the dearth of radiocarbon dates with secure copper association. Finally, an inventory of all known copper associated dates should be compiled along with information regarding the tool type and morphology of the dated artifacts.

### *8.3.4 Copper Assemblage Analysis*

Much like Wittry's "Preliminary Typology" the schema presented here could also be dramatically improved upon. One area particularly in need of improvement is the definition of dimensions for different tool types. For example, the width, or for that matter the length, of a fish hook is not strictly comparable to the same measurements on a bladed projectile point. In order to clarify these dimensions minimum morphological requirements for "types" must be developed. The process of developing mutually exclusive categories for tool types has only been

started by this dissertation. A larger sample of copper artifacts, incorporating increased variation would need to be examined to develop consistent categories. Wittry's basic types (though not his sub-types) actually do organize much of the variation found in copper tools, but guidelines and best practices for what to do with those artifacts that fall between types need to be developed. Furthermore, the practice of determining an artifact's type based on its morphology (not its presumed function) needs to become the norm, rather than first determining its type, then trying to describe its morphology. Given the results from this dissertation, I believe it is possible to develop type definitions using relatively few morphological parameters, but what those parameters are specifically have not been finally demonstrated in this study. In many cases, additional variables will need to be defined and then operationalized to realize the type of consistent organization described here. For example, one of the principle morphological differences between types of tools is whether a Type IV artifact's (awl) end is pointed or rounded. In many cases this is not difficult to determine. However, some specimens are much closer to the boundary between pointed and rounded. This suggests the need to measure the pointed-ness of an object and then compare that measurement to a scale calibrated to distinguish between pointed and rounded points. Developing a method for measuring a consistently replicable taper rate of a point or some such measurement would help to facilitate communication and consistent morphological description. As with all artifact studies, there are many other instances of this type of conundrum in copper assemblage studies, all of which need new solutions developed. The best way to discover these points of discrepancy is to conduct assemblage analyses and develop solutions to problems encountered along the way.

#### 8.3.5 *Consultation with descendant communities*

Old Copper artifacts and the communities they represent are directly related to the Native American communities living in Wisconsin and with ancestral ties to Wisconsin and the western Great Lakes. Furthermore, while the artifacts that were a part of this dissertation were not likely to have come from burial contexts, copper artifacts have consistently been recovered from those contexts in this region. This association makes it even more imperative that a relationship between archaeologists, tribes and tribal officials, and collectors be facilitated. Consultation with Native American communities and their experts has already proven to produce new and insightful archaeological research for professional archaeologists. It is very likely that these perspectives, if the encounters are approached in a careful way, would be of great interest to collectors who are always interested to learn more about the things they have found. Native American perspectives on the use, manufacture, and social meaning of copper artifacts would be an invaluable contribution to the field of Old Copper studies.

#### 8.3.6 *Collector Culture*

One final area of future research would be an ethnography of modern collector culture. Artifact collectors are a part of a community. That community, like any other, has developed cultural norms and behaviors that inform its members about their identity and acceptable activities. It would be helpful for professional archaeologists to understand that culture and its particular morality and motivations before engaging in potentially deleterious interactions with its community members. As anthropologists, we are the most well positioned people to understand the need to avoid ethnocentrism. Doing a formal ethnography of collector culture should be an exercise in documenting an interesting sub-culture, as well as helping to inform archaeologists' interactions with members of that sub-culture.

## **8.4 Conclusion**

A multi-faceted analysis of two Old Copper Complex copper artifact assemblages from Lake Nokomis in northern Wisconsin and Lake Koshkonong in southern Wisconsin, has indicated that there was likely an active trade network in the western Great Lakes during the Middle and Late Archaic periods. This network carried raw copper material and a few particular artifact types between localities. In general, the evidence suggests that the vast majority of the copper was used locally to create tools and that those tools were used to facilitate mundane daily life activity. This suggests that the network facilitated a largely egalitarian economic system and an increased sense of inter-local community in this region, but probably did not contribute greatly to social and political differentiation.

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## **APPENDIX A**

### **CATALOG OF ARTIFACTS WITH ORGANICS**

## Copper artifacts with Organic Traces in the Jim Bussey Collection

### Lake Koshkonong

|   | <b>Artifact type</b> | <b>Artifact number</b> | <b>Type of organic remain</b>       | <b>Type</b> |
|---|----------------------|------------------------|-------------------------------------|-------------|
| 1 | Fish hook            | 11-60                  | String                              | VII-A       |
| 2 | Projectile Point     | 33-65                  | Wood in socket/haft                 | I-L/O       |
| 3 | Projectile Point     | 33-91                  | Wood in socket/haft                 | I-N         |
| 4 | Projectile Point     | 33-83                  | Wood in socket/haft                 | I-L/O       |
| 5 | Projectile Point     | U16-33                 | Wood in socket/haft                 | I-L/O       |
| 6 | Knife                | Case 19-?              | Leather or hafting material on tang | II-A        |

### Lake Nokomis

|   | <b>Artifact type</b> | <b>Artifact number</b> | <b>Type of organic remain</b> | <b>Type</b> |
|---|----------------------|------------------------|-------------------------------|-------------|
| 1 | Projectile Point     | 27-21                  | Leather wrapping on tang      | I-G1        |
| 2 | Projectile Point     | 35-27                  | Wood in socket/haft           | I-L/O       |
| 3 | Projectile point     | 35-29                  | Wood in socket/haft           | I-L/O       |
| 4 | Projectile point     | 35-21                  | Wood in socket/haft           | I-L/O       |
| 5 | Projectile Point     | 35-25                  | Wood in socket/haft           | I-L/O       |
| 6 | Projectile Point     | 35-19                  | Possible wood in socket       | I-N/L       |
| 7 | Projectile Point     | 36-23                  | Wooden stick in socket/haft   | I-N         |
| 8 | Projectile Point     | 36-29                  | Wood in socket/haft           | I-L/O       |



## **APPENDIX B**

### **COPPER ARTIFACT RECORDING FORM**

Artifact: \_\_\_\_\_ Photo #s: \_\_\_\_\_

Recorder: \_\_\_\_\_

Length: \_\_\_\_\_

Date: \_\_\_\_\_

Width: \_\_\_\_\_

Reported Provenience: \_\_\_\_\_

Thickness: \_\_\_\_\_

Analyzed Provenience: \_\_\_\_\_

Weight: \_\_\_\_\_

Organic Residue: Yes / No / Maybe

Patina: \_\_\_\_\_

Morpho-Functional Designation: \_\_\_\_\_

Evidences of Use-Wear: \_\_\_\_\_

Use-Wear Techniques: \_\_\_\_\_

Manufacturing Stage/Processes: \_\_\_\_\_

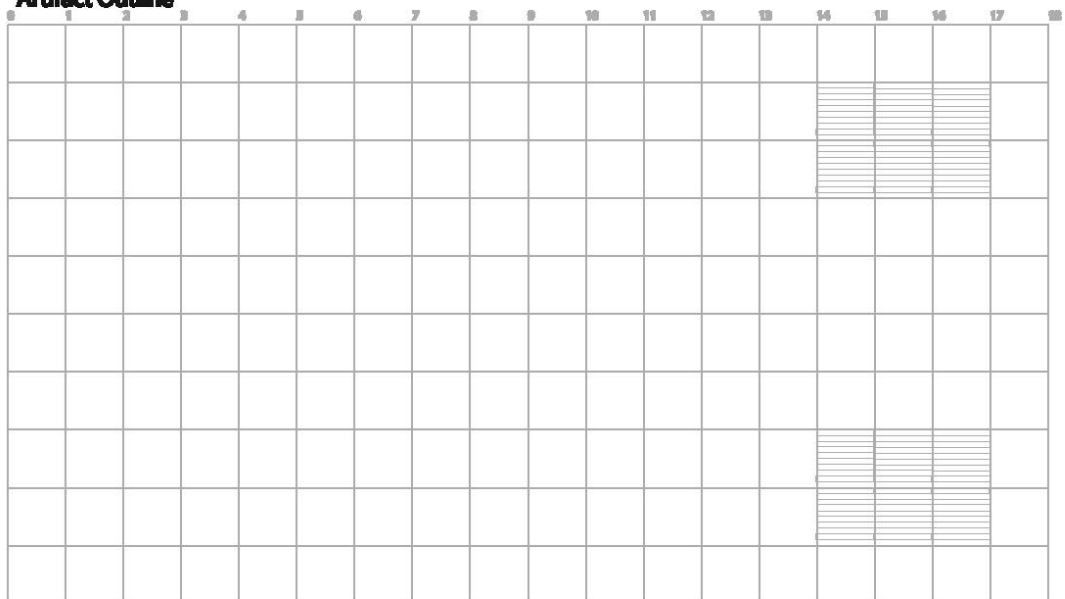
Comments: \_\_\_\_\_

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\_\_\_\_\_

### Artifact Outline



## **APPENDIX C**

### **COPPER ARTIFACT RECORDING SCHEME**

## Copper Artifact Recording Scheme

### Definitions:

**Tool** – an artifact designed to be used to accomplish a utilitarian task by direct application of some point, edge or surface of that object to another object or material.

**Ornament** – an artifact designed to be used for non-utilitarian objectives; i.e. decorative or some other socially significant purpose.

**Functional Element** – a portion of a tool, designed to be used to transfer energy from a tool to an objective material during a utilitarian task, includes all points, edges, and surfaces, and body involved, may include multiple Functional Units.

**Hafting Element** – a portion of a tool designed to facilitate hafting of the tool.

**Body** – portion of the tool connecting the hafting element and functional element.

**Functional Unit** – a single point, edge or surface of an artifact designed to transfer energy from a tool to an objective material during a utilitarian task, one component of the functional element.

**Functional Edge** – A single edge of an artifact designed to cut  $<30^\circ$ .

**Distal End** – The end of the tool that is designed to be used to transfer energy from the tool to the objective material.

**Mid-section** – The portion of the tool that is designed to transfer energy from the proximal end to the distal end of the tool.

**Proximal End** – The end of the tool used to transfer energy from the human user to the tool, may include elements designed for attachment to various types of more perishable components (bone, wood, string, mastic, etc...) of complex tools or simple prehension.

**Plan View** – A view of the tool from top down, perpendicular to its longest axis.

- A. **Catalogue Number:** An arbitrary number assigned to each artifact to differentiate it from others in the study. Catalogue numbers usually have two parts:
1. The case number/identifier.
  2. The artifact number within that case.
- B. **Provenience:** Each artifact is assigned locality level provenience based on discussion with the individual who recovered it.
- C. **Degree of patination:** This variable is recorded for all artifacts. It records the extent to which patina has developed across the entire artifact as a whole.
1. Light – majority of the surface of the artifact retains reddish hue and metallic luster.
  2. Medium – majority of the surface of the artifact is covered in verdigris, but the surface morphology and use damage evidences are intact.
  3. Heavy – thick patina developed, surface of artifact obscured, sedimentary particles cemented to the surface.
  4. Very Heavy – >10% of the original surface has been corroded away. Body of the artifact is significantly cratered by corrosion.
- D. **Completeness of artifact** – This variable records the presence of the total artifact, ignoring degree of patination as much as possible.
1. Whole
  2. Partial
  3. Indeterminate
  4. N/A
- E. **Portion Present**
1. Distal – Distal only is present.
  2. Medial – Medial section only is present
  3. Proximal – Proximal end only is present
  4. DM - When distal and medial sections but the proximal end is missing.
  5. PM - When proximal and medial sections are present but the distal end is missing.
  6. Indeterminate – used when distal and proximal ends cannot be defined as with non-utilitarian, preform or manufacturing debris.
  7. All – The entire outline of the piece can be determined without guess work.

**F. Basic Type**

1. Bladed – primary functional element and/or lateral margins of the functional unit of the tool come to an edge forming an angle  $< 30^\circ$ . Objects that have both a blade and a point are coded as Bladed.
2. Blunt – primary functional element is blunt, flat or rounded.
3. Manufacturing Debris – copper with no functional elements, but evidence of shaping work such as grinding or cutting.
4. Non-utilitarian – for non-utilitarian artifacts
5. Preform – Copper with no functional elements, but also whole and not obviously decorative, usually rod or triangular shaped.
6. Pointed – primary functional element is pointed, lateral margins of the tool come to an edge forming an angle  $> 30^\circ$ , or cross-section is round.
7. Indeterminate – cannot define functional elements
8. N/A – tools missing portions of the functional element
9. Other – all other tool forms

**G. Longitudinal Symmetry**

1. Symmetrical – object is equally proportioned on both sides of its axis from distal to proximal end.
2. Asymmetrical – object is not equally proportioned on both sides of its axis from distal to proximal end.
3. Indeterminate – cannot determine if object was equally proportioned on both sides of its distal-proximal axis.

**H. Distal End Morphology** – This variable applies to the shape of the outline of the distal end (in plan view) of an artifact.

1. Flat – The margins near the distal end, are parallel and the distal end is perpendicular to these margins.
2. Indented – Some portion of the distal surface extends in a direction opposite from the direction the distal end is pointing.
3. Pointed – The margins near the distal end are straight and form converging lines at an angle rather than an arc.
4. Rounded – The margins near the distal end, form a convex arc rather than an angle.
5. Indeterminate – for whole tools whose distal and proximal ends cannot be determined.
6. N/A – for partial tools missing the distal end or non-tool artifacts.

- I. **Cross-section of Functional Element** – This variable records the shape of the outline of the cross-section of the functional element of an artifact – or the cross section of the whole artifact for non-utilitarian, manufacturing and indeterminate artifacts.
1. Angular – used for interior of beads if the cross section is angular, no rounded.
  2. Biconvex – 2 opposite sides of the cross-section are convex.
  3. Concave-convex – 2 opposite sides of the cross-section are concave and convex respectively (curving in the same direction).
  4. Diamond – 4 sides with 2 interior angles  $< 10^\circ$ .
  5. Plano-Convex – One side of the cross-section is flat, the opposite side is convex.
  6. Rectangular – 4 corners (close to  $90^\circ$ ), four edges, where (width  $> 1.5 \times$  thickness).
  7. Round – cross-section is nearly circular with no corners or straight edges.
  8. Sheet – cross-section is very thin relative to width (at least 1:10)
  9. Square – 4 corners (close to  $90^\circ$ ), four edges, where (width  $< 1.5 \times$  thickness).
  10. Triangular – triangular with 2 interior angles  $< 10^\circ$ .
  11. Wedge – triangular with 1 interior angle  $< 10^\circ$ .
  12. Indeterminate – Use this when the functional element of an artifact is present but its cross-section is obscured by damage, corrosion, or sediment accretion.
  13. Irregular – Use this for manufacturing debris with no functional elements and an undefinable cross-section shape.
  14. N/A – Use this when the functional element of an artifact is missing.
- J. **Functional Element Shape** – This variable describes the shape of the outline of the functional element in plan view – or the shape of the whole artifact for non-utilitarian artifacts.
1. Arched Curvate Rod – a rod with a single curve so that a line following the longest axis of the body is a curved line.
  2. Rod – straight and thin with parallel sides, length is much longer than width and/or thickness.
  3. Flared Rod – medial portion of an artifact is a rod, one end is flared (semi-circular) and wider the margins of the rod.
  4. Curvate Rod – a rod with a bend manufactured in the middle. Use this designation when more detailed shape cannot be determined due to missing components or non-compliant features.
  5. C Curvate Rod – a rod whose medial and distal portions curve back toward the proximal end. Medial portion, proximal of the “bend”, is curved. (Circle Hook)
  6. G Curvate Rod – a rod whose medial end is bent and whose distal end stays straight so that it points away from the proximal end. G hooks should not have loop attachments since they would be hafted to a shaft directly. (Gaff Hook)

7. J Curvate Rod – a rod whose medial and distal ends curve so that the distal end points in essentially the same direction as the proximal end, like the letter J. (J hook)
8. K Curvate Rod – a rod whose medial and distal portions curve back toward the proximal end. Medial portion, proximal of the “bend” is straight. (Kahle hook)
9. S – shape Curvate Rod – a rod with two curves where the distal end remains pointing away from the proximal end.
10. K or G – used when only medial portion is present so distal direction cannot be determined.
11. J or K – used when only proximal/medial portion is present and full bend angle and distal direction can’t be determined.
12. Blunted Crescent – a broad, flat, curving functional element, that is blunt rather than pointed on the ends.
13. Crescent
14. Coil – when at least one end of the artifact is coiled.
15. Diamond – four-sided plan view with two acute interior angles and two obtuse interior angles.
16. Lanceolet – parallel sided with excurvate distal margins.
17. Oval
18. Rectangular
19. Semi-Circular – Plan view of the artifact forms part of a circle
20. Spiral – object is twisted along its long axis.
21. Sub-triangular – triangular with rounded corners and/or edges
22. Triangular – plan view is three sided
23. Indeterminate – functional elements cannot be determined or are distorted by damage, corrosion, or accretion.
24. Irregular – object’s margins form no definable shape
25. N/A – significant portion of plan view of functional element is missing.

K. **Degree of Curve** – This variable records the amount of curve for artifacts with curved functional elements. It measures the amount of arc degrees from straight an artifact’s functional element is.

1. < 90°
2. > 90°
3. Not Applicable

L. **Hafting Element**

1. Present - proximal end has been formally shaped for attachment
2. Absent – proximal end is present, but has no formal attachment element
3. Indeterminate – unsure which end is proximal
4. N/A – artifact is partial AND hafting element is not present



M. **Proximal Shape** – This variable applies to the three-dimensional shape of the hafting or proximal end of an artifact.

1. Bulb
2. Curvate Rod – rod has a long shallow arch along the long axis.
3. Groove – proximal end of the object has a groove used for hafting.
4. Hook
5. Loop
6. Rectangular
7. Rod
8. Socket
9. Sub-triangular – three sided with curved corners or margins
10. Tab – broad, flattened and rounded at the proximal end, much wider than thickness; tabular.
11. Tang – solid projection extending off the Functional Element defining the proximal end, consistently tapering to the proximal end.
12. Double tang
13. Flared tang – tang that flares toward the proximal end
14. Split tang – tang that splits at the proximal end
15. Irregular – proximal end does not conform to regular geometric definition.
16. N/A – Proximal end is missing

N. **Cross-Section of Proximal end** – This variable records the shape of the cross-section of the proximal end of the artifact.

1. Angular – when hafting element shape is Socket and interior junction between dorsal and lateral edges is angular.
2. Biconvex – The two broad opposite sides of the cross-section are both convex.
3. Plano-Convex – one side of the cross-section is flat, the opposite side is convex.
4. Rectangular
5. Round – used for solid round cross-sections or rounded socket interior cross-section
6. Sheet – cross section is much wider than its thickness ( $< 10:1$ )
7. Square
8. Triangular
9. Indeterminate – heavily deformed artifacts
10. Irregular – cross section of proximal end does not conform to regular geometric definitions
11. N/A – Proximal end of artifact is missing

- O. **Proximal End Morphology** – This variable applies to the shape of the outline of the proximal end (in plan view) of a utilitarian artifact.
1. Pointed – The margins of the tool, at 5mm from the proximal end, form converging lines at an acute angle to an axis drawn through the longest axis of the tool.
  2. Rounded – The margins of the tool, at 5mm from the proximal end, form a convex arc perpendicular to an axis drawn through the longest axis of the tool.
  3. Flat – The margins of the tool, at 5mm from the proximal end, are parallel and the distal end is perpendicular to these margins.
  4. Indented – The outline of the proximal end of the tool extends back toward the distal end relative to the margins.
  5. Indeterminate – for tools whose distal and proximal ends cannot be determined, or tools where the proximal end morphology is distorted due to damage.
  6. Irregular – shape does not conform to regular geometric definition.
  7. N/A – for partial tools missing the proximal end or non-tool artifacts
- P. **Number of Functional Units** – This variable refers to the number of components on the artifact designed for (or used for) direct transfer of energy from the tool to an objective material. Value should be a whole number. Can be a combination (e.g. 1 or 2) if FUs can't be determined based on extant morphology.
- Q. **Number of functional *EDGES*** – This variable includes only the number of edges on the artifact designed to cut (edge angle < 25°).
- R. **Edge Modification** – This variable describes the presence of modification of functional edges. Edges are presumed to be smooth in outline unless recorded as serrated below.
1. Beveled – relatively even beveling along at least one edge.
  2. Serrated – edge has teeth
  3. None – tool has edges, but they are not beveled.
  4. N/A – tool has no edged functional units.
- S. **Projections** – This variable refers to only functional units of an artifact that protrude from/interrupt it's functional element plan view shape. Projections primarily refer to harpoon points and hafting nubs.
1. Present
  2. Absent

- T. **Projection type** – This variable refers to functional units identified as projections for variable S.
1. Side nub – Projection extending from the mid-section of one side of an artifact.
  2. Point – projection extending from one side of an artifact with a solid build and a point for the functional unit.
  3. Edged – Flat projection consisting with a margin sharpened to an edge.
  4. Pointed and edged – projection with 2 functional units including both a point and an edge.
  5. N/A
- U. **Presence of Rivet Hole** – This variable records the presence of a rivet hole on the proximal end of the tool
1. Present
  2. Absent
  3. N/A – no socket, proximal end, or is non-utilitarian
- V. **Refinement** – This variable applies to all formal artifacts, scores for refinement are based on comparison with other artifacts of the same morpho-functional type. Criteria for refinement primarily include number artifact's formal and stylistic attributes when compared to others of that type.
1. Crude – artifacts with few formal attributes
  2. Medium – artifacts with some formal attributes
  3. Refined – artifacts with most/all the formal attributes of artifacts of that type
  4. N/A

*Use Damage Variables*

- W. **Distal Use Damage 1** – This variable is for the first evidence of use damage on the distal end of the tool
1. Bend
  2. Bend and Straighten pattern corrosion
  3. Broken
  4. Crimped
  5. Crushed
  6. Cut
  7. Dented
  8. Flattened
  9. Gouged
  10. Lipped
  11. Mushroomed
  12. Notched
  13. Polished
  14. Rounded

15. Split
16. Striated
17. Twisted
18. Worn
19. None
20. Indeterminate

- X. **Distal Use Damage 2** – use designations given in R.
- Y. **Mid-section Use Damage 1** – use designations given in R.
- Z. **Mid-section Use Damage 2** – use designations given in R.
- AA. **Proximal Use Damage** – use designations given in R.
- BB. **Number of Use Damaged Areas** – This variable records a simple count of the number of portions of the artifact that exhibited use damage
- CC. **Presence or Absence of Use Damage.**
- DD. **Repair**
1. Present
  2. Absent
  3. Indeterminate
- EE. **Type of Repair**
1. Resharpened – evidence of new grinding on a damaged edge
  2. Re-straightened – evidence of body of artifact being straightened after bending damage
  3. Reshaping – evidence of body of artifact being pounded into shape after use damage
  4. Indeterminate – appears repaired, but method of repair is unclear.
  5. N/A – no repairs evident

#### *Metrics*

- FF. **Length** – longest measured length along a designed axis of the object
- GG. **Width** – second longest measured length perpendicular to length
- HH. **Thickness** – length measured perpendicular to width
- II. **Weight**

*General*

JJ. **Morpho-Functional Type** – This variable is based broadly on Wittry's typology and ethnographic analogy. The variable is descriptive and open ended, but the Bussey Collection included artifacts recorded as:

1. Axe
2. Bead
3. Bead Manufacturing Debris
4. Billet
5. Chisel
6. Crescent
7. Drill
8. Effigy Point
9. Feather
10. Fish Hook
11. Fragment
12. Harpoon
13. Knife
14. Knife or Crescent
15. Knife or Projectile Point
16. Mandril
17. Perforator
18. Perforator Type 2
19. Plummets
20. Preform
21. Projectile Point
22. Reamer
23. Socket Only
24. Spud
25. Unknown
26. Wedge

KK. **Wittry Type Designation** – This variable records the Wittry number designation as closely as possible including Type (I, II, III, etc..), sub-type (A, B, etc...), and sub-sub type (1, 2, etc...).

LL. **Comments**

MM. **Morpho-functional Tool Type** This variable is assigned according the traditional typological categories developed over the last century and generally encoded in Wittry's typology (1950,1951), though strict definitions from this typology do not cover all the extant variability found in copper tools they are generally useful as a heuristic device.

1. **Projectile Point** – Objects that are pointed at the distal end, relatively symmetrical laterally (in plan view), with a hafting element at the proximal end. They must contain both a hafting element and blade or bit (functional element). They may have an asymmetrical harpoon bit projection.
2. **Knife** – Objects that have both a functional and hafting element. The functional element consists of a blade element, usually with a single functional edge unit. Hafting elements may be tangs or sockets.
3. **Crescent** – Objects with wide, flat arched bodies, in a crescent to half circle shape. They may have one or more hafting elements extending from one side. They may have a single functional edge unit along the opposite side. These will tend to have a wedge functional element cross-section. They may have no functional edge units, where the edges are both dull. These will tend to have a lensatic or diamond functional element cross-section.
4. **Perforator** – Objects made to pierce. Body will have one long axis and two much shorter axes. At least one end should be pointed. Many variations of cross-section and plan view shape.
5. **Spuds** – Objects with a heavy build, containing both a broad, heavy hafting socket and a wide bit or cutting edge. Body is solid from socket to distal end.
6. **Woodworking Tools** – Objects with bits for chopping, may or may not be socketed, should have both hafting and functional elements.
7. **Hooks** – Objects with a long thin build and a designed bend in the middle. Usually pointed on distal end, may have a hafting element on proximal end. Distal end should be pointed back toward proximal direction.
8. **Spatulas** – Unknown object type, wide and flat on one end, thinner on the other end, no known functional use other than the small ones being possible drills.
9. **Bracelets** – Long thin, flat copper strips, bent for wearing around the wrist
10. **Globular Beads** – rolled copper strips, ends should be overlapping with one rolled over end and one rolled under end.
11. **Tubular Beads** – rolled copper beads with one long axis perpendicular to direction of bead roll.
12. **Indeterminate** – morpho-functional sub-type is undefined in Wittry typology.

## APPENDIX D

### ARTIFACT ANALYSIS RESULTS TABLE

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| 11-1    | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-2    | Lake Koshkonong | Very Heavy  | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-3    | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-4    | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-5    | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-6    | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-7    | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-8    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-9    | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-10   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Square      |
| 11-11   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-12   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-13   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-14   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-15   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-16   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-17   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-18   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-19   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-20   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-21   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-22   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-23   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-24   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-25   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-26   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-27   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-28   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | N/A        | Round       |
| 11-29   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | N/A        | Round       |
| 11-30   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-31   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-32   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-33   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |



| Cat Num | Provenience     | FE Shape    | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|-------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 11-1    | Lake Koshkonong | Curvate Rod | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-2    | Lake Koshkonong | G           | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-3    | Lake Koshkonong | G           | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-4    | Lake Koshkonong | K           | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-5    | Lake Koshkonong | Curvate Rod | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-6    | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-7    | Lake Koshkonong | C           | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-8    | Lake Koshkonong | G           | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-9    | Lake Koshkonong | K           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-10   | Lake Koshkonong | J           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-11   | Lake Koshkonong | G           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-12   | Lake Koshkonong | J           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-13   | Lake Koshkonong | K           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-14   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-15   | Lake Koshkonong | J or K      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-16   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-17   | Lake Koshkonong | J           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-18   | Lake Koshkonong | G           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-19   | Lake Koshkonong | G           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-20   | Lake Koshkonong | G           | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-21   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-22   | Lake Koshkonong | K           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-23   | Lake Koshkonong | K or G      | > 90         | Present      | Loop           | Round       | N/A        | 1      | 0         |
| 11-24   | Lake Koshkonong | C           | > 90         | Present      | Hook           | Round       | Pointed    | 1      | 0         |
| 11-25   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-26   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-27   | Lake Koshkonong | K           | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-28   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-29   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-30   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-31   | Lake Koshkonong | K           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-32   | Lake Koshkonong | G           | > 90         | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 11-33   | Lake Koshkonong | Rod         | > 90         | Present      | Hook           | Rectangular | Pointed    | 2      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 11-1    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-2    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-3    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-4    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-5    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-6    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-7    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-8    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-9    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-21   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 11-24   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-26   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 11-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-30   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Split    |
| 11-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 11-1    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.41  | 18.03 | 2.53      | 1.01   |
| 11-2    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37.04  | 33.64 | 6.2       | 3.43   |
| 11-3    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.67  | 19.67 | 2.24      | 0.51   |
| 11-4    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 35.45  | 30.3  | 3.13      | 1.64   |
| 11-5    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.05  | 14.19 | 2.06      | 0.44   |
| 11-6    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 21.8   | 25.91 | 2.79      | 0.99   |
| 11-7    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 22.23  | 25.36 | 2.42      | 1.06   |
| 11-8    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 26.86  | 23.39 | 1.76      | 0.53   |
| 11-9    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31     | 20.11 | 2.11      | 0.62   |
| 11-10   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 18.38  | 14.85 | 3.28      | 1.13   |
| 11-11   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 36.88  | 24.94 | 2.58      | 1.22   |
| 11-12   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 30.49  | 16.56 | 2.27      | 0.64   |
| 11-13   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 35.9   | 25.63 | 2.81      | 1.31   |
| 11-14   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37.63  | 29.39 | 3.86      | 2.32   |
| 11-15   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.98  | 19.93 | 2.58      | 0.84   |
| 11-16   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.43  | 21.66 | 2.92      | 0.82   |
| 11-17   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 38.22  | 17.26 | 4.49      | 3.51   |
| 11-18   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 39.7   | 31.37 | 4.14      | 3.27   |
| 11-19   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 36.96  | 21.37 | 3.37      | 1.54   |
| 11-20   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 45.16  | 25.27 | 2.5       |        |
| 11-21   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.61  | 21.86 | 2.05      | 0.7    |
| 11-22   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.86  | 16.6  | 2.13      | 0.69   |
| 11-23   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 49.19  | 31.76 | 2.98      | 3.02   |
| 11-24   | Lake Koshkonong | Worn      | 1         | Yes        | Absent  | N/A          | 54.03  | 26.59 | 3.9       | 3.37   |
| 11-25   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.1   | 26.24 | 1.52      | 1.73   |
| 11-26   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 50.63  | 28.31 | 3.18      | 3.03   |
| 11-27   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 51.85  | 33.68 | 3.63      | 3.5    |
| 11-28   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 40.46  | 26.98 | 2.89      | 1.87   |
| 11-29   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.18  | 20.61 | 3.16      | 1.5    |
| 11-30   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 56.73  | 31.9  | 3.11      | 2.75   |
| 11-31   | Lake Koshkonong | None      | 2         | Yes        | Present | Restraighten | 45.88  | 33.48 | 3.5       | 2.44   |
| 11-32   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.49  | 34.22 | 3.34      | 2.49   |
| 11-33   | Lake Koshkonong | Bend      | 1         | Yes        | Present | Restraighten | 64.01  | 7.1   | 0.98      | 3.53   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 11-1    | Lake Koshkonong | Fish Hook              | VII         |
| 11-2    | Lake Koshkonong | Fish Hook              | VII         |
| 11-3    | Lake Koshkonong | Fish Hook              | VII         |
| 11-4    | Lake Koshkonong | Fish Hook              | VII         |
| 11-5    | Lake Koshkonong | Fish Hook              | VII         |
| 11-6    | Lake Koshkonong | Fish Hook              | VII         |
| 11-7    | Lake Koshkonong | Fish Hook              | VII         |
| 11-8    | Lake Koshkonong | Fish Hook              | VII         |
| 11-9    | Lake Koshkonong | Fish Hook              | VII         |
| 11-10   | Lake Koshkonong | Fish Hook              | VII         |
| 11-11   | Lake Koshkonong | Fish Hook              | VII         |
| 11-12   | Lake Koshkonong | Fish Hook              | VII         |
| 11-13   | Lake Koshkonong | Fish Hook              | VII         |
| 11-14   | Lake Koshkonong | Fish Hook              | VII         |
| 11-15   | Lake Koshkonong | Fish Hook              | VII         |
| 11-16   | Lake Koshkonong | Fish Hook              | VII         |
| 11-17   | Lake Koshkonong | Fish Hook              | VII         |
| 11-18   | Lake Koshkonong | Fish Hook              | VII         |
| 11-19   | Lake Koshkonong | Fish Hook              | VII         |
| 11-20   | Lake Koshkonong | Fish Hook              | VII         |
| 11-21   | Lake Koshkonong | Fish Hook              | VII         |
| 11-22   | Lake Koshkonong | Fish Hook              | VII         |
| 11-23   | Lake Koshkonong | Fish Hook              | VII         |
| 11-24   | Lake Koshkonong | Fish Hook              | VII         |
| 11-25   | Lake Koshkonong | Fish Hook              | VII         |
| 11-26   | Lake Koshkonong | Fish Hook              | VII         |
| 11-27   | Lake Koshkonong | Fish Hook              | VII         |
| 11-28   | Lake Koshkonong | Fish Hook              | VII         |
| 11-29   | Lake Koshkonong | Fish Hook              | VII         |
| 11-30   | Lake Koshkonong | Fish Hook              | VII         |
| 11-31   | Lake Koshkonong | Fish Hook              | VII         |
| 11-32   | Lake Koshkonong | Fish Hook              | VII         |
| 11-33   | Lake Koshkonong | Unknown                | VII         |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 11-1    | Lake Koshkonong | appears to be broken due to corrosion on both ends  |
| 11-2    | Lake Koshkonong | heavily corroded portion of a fish hook. Corrosion eating well into the margins of the object                       |
| 11-3    | Lake Koshkonong | Heavily corroded, very thin   |
| 11-4    | Lake Koshkonong | less corrosion than those above, missing both ends though   |
| 11-5    | Lake Koshkonong | extra bend at proximal end toward the interior  |
| 11-6    | Lake Koshkonong |   |
| 11-7    | Lake Koshkonong |   |
| 11-8    | Lake Koshkonong |   |
| 11-9    | Lake Koshkonong |   |
| 11-10   | Lake Koshkonong |   |
| 11-11   | Lake Koshkonong |   |
| 11-12   | Lake Koshkonong |   |
| 11-13   | Lake Koshkonong |   |
| 11-14   | Lake Koshkonong |   |
| 11-15   | Lake Koshkonong |   |
| 11-16   | Lake Koshkonong |   |
| 11-17   | Lake Koshkonong |   |
| 11-18   | Lake Koshkonong |   |
| 11-19   | Lake Koshkonong |   |
| 11-20   | Lake Koshkonong |   |
| 11-21   | Lake Koshkonong |   |
| 11-22   | Lake Koshkonong |   |
| 11-23   | Lake Koshkonong |   |
| 11-24   | Lake Koshkonong | This hook has most of an eyelet on the proximal end and the use wear appears to be from a line tied into the eyelet |
| 11-25   | Lake Koshkonong | This hook has a straighter "base" as opposed to many which are much more curved                                     |
| 11-26   | Lake Koshkonong | shallow curved base on this one   |
| 11-27   | Lake Koshkonong | Very flat base on this one  |
| 11-28   | Lake Koshkonong | shallowly curved based  |
| 11-29   | Lake Koshkonong | Very flat base on this one  |
| 11-30   | Lake Koshkonong | shallowly curved based  |
| 11-31   | Lake Koshkonong | shallowly curved based  |
| 11-32   | Lake Koshkonong | Very flat base on this one  |
| 11-33   | Lake Koshkonong | Maybe an awl with a hook proximal end for hafting in a bone/wood handle   |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| 11-1    | Lake Koshkonong |  |  |  |  |  |
| 11-2    | Lake Koshkonong |  |  |  |  |  |
| 11-3    | Lake Koshkonong |  |  |  |  |  |
| 11-4    | Lake Koshkonong |  |  |  |  |  |
| 11-5    | Lake Koshkonong |  |  |  |  |  |
| 11-6    | Lake Koshkonong |  |  |  |  |  |
| 11-7    | Lake Koshkonong |  |  |  |  |  |
| 11-8    | Lake Koshkonong |  |  |  |  |  |
| 11-9    | Lake Koshkonong |  |  |  |  |  |
| 11-10   | Lake Koshkonong |  |  |  |  |  |
| 11-11   | Lake Koshkonong |  |  |  |  |  |
| 11-12   | Lake Koshkonong |  |  |  |  |  |
| 11-13   | Lake Koshkonong |  |  |  |  |  |
| 11-14   | Lake Koshkonong |  |  |  |  |  |
| 11-15   | Lake Koshkonong |  |  |  |  |  |
| 11-16   | Lake Koshkonong |  |  |  |  |  |
| 11-17   | Lake Koshkonong |  |  |  |  |  |
| 11-18   | Lake Koshkonong |  |  |  |  |  |
| 11-19   | Lake Koshkonong |  |  |  |  |  |
| 11-20   | Lake Koshkonong |  |  |  |  |  |
| 11-21   | Lake Koshkonong |  |  |  |  |  |
| 11-22   | Lake Koshkonong |  |  |  |  |  |
| 11-23   | Lake Koshkonong |  |  |  |  |  |
| 11-24   | Lake Koshkonong |  |  |  |  |  |
| 11-25   | Lake Koshkonong |  |  |  |  |  |
| 11-26   | Lake Koshkonong |  |  |  |  |  |
| 11-27   | Lake Koshkonong |  |  |  |  |  |
| 11-28   | Lake Koshkonong |  |  |  |  |  |
| 11-29   | Lake Koshkonong |  |  |  |  |  |
| 11-30   | Lake Koshkonong |  |  |  |  |  |
| 11-31   | Lake Koshkonong |  |  |  |  |  |
| 11-32   | Lake Koshkonong |  |  |  |  |  |
| 11-33   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| 11-34   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-35   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-36   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-37   | Lake Koshkonong | Medium      | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-38   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-39   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-40   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-41   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-42   | Lake Koshkonong | Medium      | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-43   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-44   | Lake Koshkonong | Medium      | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-45   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-46   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-47   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-48   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-49   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-50   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-51   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-52   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-53   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-54   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-55   | Lake Koshkonong | Very Heavy  | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Rounded    | Round       |
| 11-56   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-57   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-58   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-59   | Lake Koshkonong | Medium      | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-60   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-61   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-62   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-63   | Lake Koshkonong | Medium      | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-64   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-65   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-66   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |

| Cat Num | Provenience     | FE Shape | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 11-34   | Lake Koshkonong | G        | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-35   | Lake Koshkonong | K        | > 90         | Present      | Loop           | Round       | Pointed    | 1      | 0         |
| 11-36   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-37   | Lake Koshkonong | K or G   | > 90         | Absent       | Rod            | Round       | Flat       | 1      | 0         |
| 11-38   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Rectangular | Pointed    | 2      | 0         |
| 11-39   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-40   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Rectangular | Pointed    | 1      | 0         |
| 11-41   | Lake Koshkonong | K or G   | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-42   | Lake Koshkonong | J        | > 90         | Present      | Loop           | Square      | Rounded    | 1      | 0         |
| 11-43   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-44   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Round       | Rounded    | 1      | 0         |
| 11-45   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Round       | Rounded    | 1      | 0         |
| 11-46   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Round       | Rounded    | 1      | 0         |
| 11-47   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Round       | Rounded    | 1      | 0         |
| 11-48   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-49   | Lake Koshkonong | K        | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-50   | Lake Koshkonong | K        | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-51   | Lake Koshkonong | C        | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-52   | Lake Koshkonong | C        | > 90         | Present      | Curvate Rod    | Round       | N/A        | 1      | 0         |
| 11-53   | Lake Koshkonong | K or G   | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-54   | Lake Koshkonong | K        | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-55   | Lake Koshkonong | G        | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 1         |
| 11-56   | Lake Koshkonong | G        | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-57   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-58   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-59   | Lake Koshkonong | J        | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-60   | Lake Koshkonong | J        | > 90         | Present      | Bulb           | Round       | Rounded    | 1      | 0         |
| 11-61   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Square      | Rounded    | 1      | 0         |
| 11-62   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-63   | Lake Koshkonong | C        | > 90         | N/A          | Curvate Rod    | Round       | N/A        | 1      | 0         |
| 11-64   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-65   | Lake Koshkonong | J        | > 90         | Present      | Groove         | Square      | Rounded    | 1      | 0         |
| 11-66   | Lake Koshkonong | J        | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |



| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 11-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-36   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-37   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-39   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-42   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-43   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-46   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-47   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-48   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | Bend      | Bend     | None     |
| 11-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-50   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-51   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-52   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-53   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-55   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-56   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-57   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-58   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-59   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-60   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-61   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-62   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-63   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-64   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 11-65   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-66   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 11-34   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 20.16  | 17.75 | 2.25      | 0.52   |
| 11-35   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 36.55  | 24.4  | 2.35      |        |
| 11-36   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31.29  | 11.42 | 3.44      | 1.57   |
| 11-37   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 28.97  | 18.82 | 2.19      | 0.6    |
| 11-38   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 42.58  | 15.75 | 3.93      | 4.23   |
| 11-39   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 55.1   | 15.1  | 3.27      | 2.41   |
| 11-40   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 59.04  | 20.98 | 4.25      | 7.11   |
| 11-41   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.07  | 20.54 | 2.45      | 0.85   |
| 11-42   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37.46  | 9.28  | 2.37      | 1.25   |
| 11-43   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 39.8   | 9.87  | 2.33      | 0.97   |
| 11-44   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 18.53  | 7.57  | 2.58      | 0.61   |
| 11-45   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 20.59  | 8.74  | 2.62      | 1.3    |
| 11-46   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 24.25  | 7.64  | 1.9       | 0.49   |
| 11-47   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 15.98  | 8.88  | 2.51      | 0.54   |
| 11-48   | Lake Koshkonong | None      | 3         | Yes        | Present | Reshaped     | 23.11  | 11.72 | 1.93      | 0.52   |
| 11-49   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 51.64  | 41.95 | 3.66      | 4.52   |
| 11-50   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 69.3   | 47.62 | 4.23      | 7.02   |
| 11-51   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 28.59  | 24.86 | 3.02      | 1.56   |
| 11-52   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.24  | 27.99 | 2.42      | 1.52   |
| 11-53   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 23.76  | 16.56 | 2.43      | 0.89   |
| 11-54   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 27.47  | 20.83 | 1.86      | 0.8    |
| 11-55   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 66.62  | 37.94 | 3.76      | 4.86   |
| 11-56   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31.49  | 18.95 | 2.2       | 0.68   |
| 11-57   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 23.39  | 10.92 | 2.89      | 0.76   |
| 11-58   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 44.83  | 18.4  | 3.44      | 3.2    |
| 11-59   | Lake Koshkonong | Cut       | 1         | Yes        | Absent  | N/A          | 47.91  | 12.76 | 2.22      | 1.36   |
| 11-60   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 42.72  | 12.93 | 3.38      | 2.78   |
| 11-61   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 45.23  | 13.83 | 4.16      | 4.76   |
| 11-62   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31.9   | 10.9  | 3.34      | 1.39   |
| 11-63   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.47  | 24.52 | 2.63      | 1.28   |
| 11-64   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 60.67  | 12.29 | 2.14      | 1.1    |
| 11-65   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 84.39  | 8.51  | 2.72      | 0.97   |
| 11-66   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.74  | 10.48 | 3.95      | 2.28   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 11-34   | Lake Koshkonong | Fish Hook              | VII         |
| 11-35   | Lake Koshkonong | Fish Hook              | VII         |
| 11-36   | Lake Koshkonong | Fish Hook              | VII         |
| 11-37   | Lake Koshkonong | Fish Hook              | VII         |
| 11-38   | Lake Koshkonong | Fish Hook              | VII         |
| 11-39   | Lake Koshkonong | Fish Hook              | VII         |
| 11-40   | Lake Koshkonong | Fish Hook              | VII         |
| 11-41   | Lake Koshkonong | Fish Hook              | VII         |
| 11-42   | Lake Koshkonong | Fish Hook              | VII         |
| 11-43   | Lake Koshkonong | Fish Hook              | VII         |
| 11-44   | Lake Koshkonong | Fish Hook              | VII         |
| 11-45   | Lake Koshkonong | Fish Hook              | VII         |
| 11-46   | Lake Koshkonong | Fish Hook              | VII         |
| 11-47   | Lake Koshkonong | Fish Hook              | VII         |
| 11-48   | Lake Koshkonong | Fish Hook              | VII         |
| 11-49   | Lake Koshkonong | Fish Hook              | VII         |
| 11-50   | Lake Koshkonong | Fish Hook              | VII         |
| 11-51   | Lake Koshkonong | Fish Hook              | VII         |
| 11-52   | Lake Koshkonong | Fish Hook              | VII         |
| 11-53   | Lake Koshkonong | Fish Hook              | VII         |
| 11-54   | Lake Koshkonong | Fish Hook              | VII         |
| 11-55   | Lake Koshkonong | Fish Hook              | VII         |
| 11-56   | Lake Koshkonong | Fish Hook              | VII         |
| 11-57   | Lake Koshkonong | Fish Hook              | VII         |
| 11-58   | Lake Koshkonong | Fish Hook              | VII         |
| 11-59   | Lake Koshkonong | Fish Hook              | VII         |
| 11-60   | Lake Koshkonong | Fish Hook              | VII         |
| 11-61   | Lake Koshkonong | Fish Hook              | VII         |
| 11-62   | Lake Koshkonong | Fish Hook              | VII         |
| 11-63   | Lake Koshkonong | Fish Hook              | VII         |
| 11-64   | Lake Koshkonong | Fish Hook              | VII         |
| 11-65   | Lake Koshkonong | Fish Hook              | VII         |
| 11-66   | Lake Koshkonong | Fish Hook              | VII         |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 11-34   | Lake Koshkonong | shallowly curved based  |
| 11-35   | Lake Koshkonong | didn't get weight due to fragility  |
| 11-36   | Lake Koshkonong | tight curve with straight shaft   |
| 11-37   | Lake Koshkonong | shallowly curved based  |
| 11-38   | Lake Koshkonong |   |
| 11-39   | Lake Koshkonong | Tight curve with bulbous bent shaft   |
| 11-40   | Lake Koshkonong |   |
| 11-41   | Lake Koshkonong | shallow curved base on this one   |
| 11-42   | Lake Koshkonong | Tight curve, w/ rectangle x-sect... seems to be trend that the rectangular cross-section hooks have tighter hooks |
| 11-43   | Lake Koshkonong | Tight curve, square x-sect, some silver in the shaft  |
| 11-44   | Lake Koshkonong | Very small hook tight curve, grooved line attachment.   |
| 11-45   | Lake Koshkonong | Very small hook tight curve, grooved line attachment.   |
| 11-46   | Lake Koshkonong | Very small hook tight curve, grooved line attachment.   |
| 11-47   | Lake Koshkonong | Very small hook tight curve, grooved line attachment.   |
| 11-48   | Lake Koshkonong | Very small hook tight curve, no grooved line attachment.  |
| 11-49   | Lake Koshkonong | Very flat base on this one  |
| 11-50   | Lake Koshkonong | shallow curved base on this one   |
| 11-51   | Lake Koshkonong | shallow curved base on this one   |
| 11-52   | Lake Koshkonong | shallow curved base on this one   |
| 11-53   | Lake Koshkonong | Very flat base on this one  |
| 11-54   | Lake Koshkonong | shallow curved base on this one   |
| 11-55   | Lake Koshkonong | Seems to have a chisel shaped end   |
| 11-56   | Lake Koshkonong | shallow curved base on this one   |
| 11-57   | Lake Koshkonong | Very small hook, tight hook   |
| 11-58   | Lake Koshkonong | Tight curve   |
| 11-59   | Lake Koshkonong | Tight curve   |
| 11-60   | Lake Koshkonong | Tight curve, string on the mid-shaft  |
| 11-61   | Lake Koshkonong | Tight Curve, shaft is bend toward hook  |
| 11-62   | Lake Koshkonong | Very small hook, tight hook   |
| 11-63   | Lake Koshkonong | shallow curved base, shaft is also curved, same direction as hook, might be called a circle hook                  |
| 11-64   | Lake Koshkonong | Tight curve   |
| 11-65   | Lake Koshkonong | Tight curve   |
| 11-66   | Lake Koshkonong | Tight curve   |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| 11-34   | Lake Koshkonong |  |  |  |  |  |
| 11-35   | Lake Koshkonong |  |  |  |  |  |
| 11-36   | Lake Koshkonong |  |  |  |  |  |
| 11-37   | Lake Koshkonong |  |  |  |  |  |
| 11-38   | Lake Koshkonong |  |  |  |  |  |
| 11-39   | Lake Koshkonong |  |  |  |  |  |
| 11-40   | Lake Koshkonong |  |  |  |  |  |
| 11-41   | Lake Koshkonong |  |  |  |  |  |
| 11-42   | Lake Koshkonong |  |  |  |  |  |
| 11-43   | Lake Koshkonong |  |  |  |  |  |
| 11-44   | Lake Koshkonong |  |  |  |  |  |
| 11-45   | Lake Koshkonong |  |  |  |  |  |
| 11-46   | Lake Koshkonong |  |  |  |  |  |
| 11-47   | Lake Koshkonong |  |  |  |  |  |
| 11-48   | Lake Koshkonong |  |  |  |  |  |
| 11-49   | Lake Koshkonong |  |  |  |  |  |
| 11-50   | Lake Koshkonong |  |  |  |  |  |
| 11-51   | Lake Koshkonong |  |  |  |  |  |
| 11-52   | Lake Koshkonong |  |  |  |  |  |
| 11-53   | Lake Koshkonong |  |  |  |  |  |
| 11-54   | Lake Koshkonong |  |  |  |  |  |
| 11-55   | Lake Koshkonong |  |  |  |  |  |
| 11-56   | Lake Koshkonong |  |  |  |  |  |
| 11-57   | Lake Koshkonong |  |  |  |  |  |
| 11-58   | Lake Koshkonong |  |  |  |  |  |
| 11-59   | Lake Koshkonong |  |  |  |  |  |
| 11-60   | Lake Koshkonong |  |  |  |  |  |
| 11-61   | Lake Koshkonong |  |  |  |  |  |
| 11-62   | Lake Koshkonong |  |  |  |  |  |
| 11-63   | Lake Koshkonong |  |  |  |  |  |
| 11-64   | Lake Koshkonong |  |  |  |  |  |
| 11-65   | Lake Koshkonong |  |  |  |  |  |
| 11-66   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| 11-67   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-68   | Lake Koshkonong | Medium      | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-69   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-70   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | N/A        | Square      |
| 11-71   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-72   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-73   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-74   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-75   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-76   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-77   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-78   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-79   | Lake Koshkonong | Very Heavy  | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-80   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-81   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-82   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-83   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-84   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-85   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-86   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-87   | Lake Koshkonong | Medium      | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-88   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-89   | Lake Koshkonong | Medium      | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-90   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| 11-91   | Lake Koshkonong | Medium      | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-92   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-93   | Lake Koshkonong | Very Heavy  | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-94   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-95   | Lake Koshkonong | Medium      | Partial      | Proximal and Medial | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-96   | Lake Koshkonong | Medium      | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round       |
| 11-97   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 11-98   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round       |
| 11-99   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |

| Cat Num | Provenience     | FE Shape    | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph | Num FU | Num Edges |
|---------|-----------------|-------------|--------------|--------------|----------------|---------------|------------|--------|-----------|
| 11-67   | Lake Koshkonong | J           | > 90         | Present      | Groove         | Square        | Rounded    | 1      | 0         |
| 11-68   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Square        | N/A        | 1      | 0         |
| 11-69   | Lake Koshkonong | J           | > 90         | Present      | Groove         | Square        | Rounded    | 1      | 0         |
| 11-70   | Lake Koshkonong | Curvate Rod | > 90         | Present      | Groove         | Square        | Rounded    | 1      | 0         |
| 11-71   | Lake Koshkonong | J           | > 90         | Present      | Groove         | Square        | Rounded    | 1      | 0         |
| 11-72   | Lake Koshkonong | J           | > 90         | Present      | Groove         | Square        | Rounded    | 1      | 0         |
| 11-73   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Square        | Rounded    | 1      | 0         |
| 11-74   | Lake Koshkonong | C           | > 90         | Present      | Loop           | Round         | Rounded    | 1      | 0         |
| 11-75   | Lake Koshkonong | C           | > 90         | Present      | Loop           | Round         | Rounded    | 1      | 0         |
| 11-76   | Lake Koshkonong | K           | > 90         | Absent       | Rod            | Square        | N/A        | 1      | 0         |
| 11-77   | Lake Koshkonong | K           | > 90         | Absent       | Rod            | Round         | Pointed    | 1      | 0         |
| 11-78   | Lake Koshkonong | K           | > 90         | Absent       | Rod            | Round         | Pointed    | 1      | 0         |
| 11-79   | Lake Koshkonong | C           | > 90         | N/A          | Curvate Rod    | Round         | N/A        | 1      | 0         |
| 11-80   | Lake Koshkonong | C           | > 90         | N/A          | Rod            | Round         | N/A        | 1      | 0         |
| 11-81   | Lake Koshkonong | Curvate Rod | > 90         | N/A          | N/A            | Round         | N/A        | 1      | 0         |
| 11-82   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Rectangular   | Pointed    | 1      | 0         |
| 11-83   | Lake Koshkonong | K or G      | > 90         | N/A          | N/A            | Round         | N/A        | 1      | 0         |
| 11-84   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Rectangular   | Rounded    | 1      | 0         |
| 11-85   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Square        | Rounded    | 1      | 0         |
| 11-86   | Lake Koshkonong | K           | > 90         | Absent       | Rod            | Round         | Pointed    | 1      | 0         |
| 11-87   | Lake Koshkonong | C           | > 90         | Absent       | Rod            | Round         | N/A        | 1      | 0         |
| 11-88   | Lake Koshkonong | C           | > 90         | Present      | Loop           | Round         | Rounded    | 1      | 0         |
| 11-89   | Lake Koshkonong | C           | > 90         | Present      | Loop           | Round         | Rounded    | 1      | 0         |
| 11-90   | Lake Koshkonong | C           | > 90         | Present      | Loop           | Square        | Rounded    | 1      | 0         |
| 11-91   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round         | N/A        | 1      | 0         |
| 11-92   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round         | N/A        | 1      | 0         |
| 11-93   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Indeterminate | N/A        | 1      | 0         |
| 11-94   | Lake Koshkonong | C           | > 90         | Absent       | Rod            | Round         | Pointed    | 1      | 0         |
| 11-95   | Lake Koshkonong | J           | > 90         | Present      | Loop           | Rectangular   | Rounded    | 1      | 0         |
| 11-96   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round         | N/A        | 1      | 0         |
| 11-97   | Lake Koshkonong | G           | > 90         | Absent       | Rod            | Rectangular   | Rounded    | 1      | 0         |
| 11-98   | Lake Koshkonong | K or G      | > 90         | Absent       | Rod            | Round         | N/A        | 1      | 0         |
| 11-99   | Lake Koshkonong | J           | > 90         | Absent       | Rod            | Square        | Rounded    | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 11-67   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-68   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-69   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-70   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-71   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-72   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-73   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-74   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-75   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-76   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-77   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-78   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-79   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-80   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-81   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-82   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-83   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-84   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-85   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-86   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-87   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-88   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-89   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Notched   | None      | None     | None     |
| 11-90   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-91   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-92   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-93   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-94   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-95   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-96   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-97   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 11-98   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-99   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |



| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|--------|-------------|--------|-------|-----------|--------|
| 11-67   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 23.89  | 7.87  | 4.15      | 1.11   |
| 11-68   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 33.39  | 11.35 | 2.79      | 1.4    |
| 11-69   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 21.24  | 9.55  | 4.06      | 1.93   |
| 11-70   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 20.5   | 4.9   | 3.43      | 1.39   |
| 11-71   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 24.6   | 10.99 | 2.13      | 0.59   |
| 11-72   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 22.64  | 7.21  | 3.29      | 1.1    |
| 11-73   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 32.78  | 14.24 | 2.52      | 1.46   |
| 11-74   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 36.27  | 25.06 | 2.99      | 2.35   |
| 11-75   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 40.07  | 25.54 | 3.31      | 2.06   |
| 11-76   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 48.99  | 23.47 | 2.99      | 2.58   |
| 11-77   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 59.52  | 34.68 | 3.6       | 7.29   |
| 11-78   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 45.68  | 32.92 | 3.11      | 2.92   |
| 11-79   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 48.78  | 33.9  | 3.27      | 2.71   |
| 11-80   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 32.64  | 26.9  | 2.7       | 1.35   |
| 11-81   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 37.01  | 14.86 | 2.65      | 0.92   |
| 11-82   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 66.48  | 15.05 | 4.2       | 5.37   |
| 11-83   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 23.91  | 21.02 | 2.21      | 0.8    |
| 11-84   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 35.07  | 12.43 | 1.78      | 0.82   |
| 11-85   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 41.62  | 17.77 | 1.93      | 1.28   |
| 11-86   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 60.9   | 54.3  | 5.02      |        |
| 11-87   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 45.24  | 24.47 | 2.9       | 1.77   |
| 11-88   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 48.62  | 38    | 3.94      | 4.73   |
| 11-89   | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 55.24  | 44.02 | 4.51      | 8.16   |
| 11-90   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 28.29  | 15.43 | 4.33      | 4.03   |
| 11-91   | Lake Koshkonong | Bend      | 1         | Yes        | Absent | N/A         | 50.68  | 28.96 | 3.4       | 2.66   |
| 11-92   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 42.57  | 34.93 | 3.27      | 3.52   |
| 11-93   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 47.39  | 39.19 | 3.97      | 3.61   |
| 11-94   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 49.12  | 40.61 | 5.14      | 6.64   |
| 11-95   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 53.6   | 18.56 | 2.43      | 2.51   |
| 11-96   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 29.24  | 16.29 | 2.28      | 0.64   |
| 11-97   | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 29.03  | 25.27 | 3.3       | 2.63   |
| 11-98   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 22.45  | 15.06 | 2.42      | 0.49   |
| 11-99   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 42.09  | 24.34 | 2.7       | 2.45   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 11-67   | Lake Koshkonong | Fish Hook              | VII         |
| 11-68   | Lake Koshkonong | Fish Hook              | VII         |
| 11-69   | Lake Koshkonong | Fish Hook              | VII         |
| 11-70   | Lake Koshkonong | Fish Hook              | VII         |
| 11-71   | Lake Koshkonong | Fish Hook              | VII         |
| 11-72   | Lake Koshkonong | Fish Hook              | VII         |
| 11-73   | Lake Koshkonong | Fish Hook              | VII         |
| 11-74   | Lake Koshkonong | Fish Hook              | VII         |
| 11-75   | Lake Koshkonong | Fish Hook              | VII         |
| 11-76   | Lake Koshkonong | Fish Hook              | VII         |
| 11-77   | Lake Koshkonong | Fish Hook              | VII         |
| 11-78   | Lake Koshkonong | Fish Hook              | VII         |
| 11-79   | Lake Koshkonong | Fish Hook              | VII         |
| 11-80   | Lake Koshkonong | Fish Hook              | VII         |
| 11-81   | Lake Koshkonong | Fish Hook              | VII         |
| 11-82   | Lake Koshkonong | Unknown                | VII         |
| 11-83   | Lake Koshkonong | Fish Hook              | VII         |
| 11-84   | Lake Koshkonong | Fish Hook              | VII         |
| 11-85   | Lake Koshkonong | Fish Hook              | VII         |
| 11-86   | Lake Koshkonong | Fish Hook              | VII         |
| 11-87   | Lake Koshkonong | Fish Hook              | VII         |
| 11-88   | Lake Koshkonong | Fish Hook              | VII         |
| 11-89   | Lake Koshkonong | Fish Hook              | VII         |
| 11-90   | Lake Koshkonong | Fish Hook              | VII         |
| 11-91   | Lake Koshkonong | Fish Hook              | VII         |
| 11-92   | Lake Koshkonong | Fish Hook              | VII         |
| 11-93   | Lake Koshkonong | Fish Hook              | VII         |
| 11-94   | Lake Koshkonong | Fish Hook              | VII         |
| 11-95   | Lake Koshkonong | Fish Hook              | VII         |
| 11-96   | Lake Koshkonong | Fish Hook              | VII         |
| 11-97   | Lake Koshkonong | Fish Hook              | VII         |
| 11-98   | Lake Koshkonong | Fish Hook              | VII         |
| 11-99   | Lake Koshkonong | Fish Hook              | VII         |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 11-67   | Lake Koshkonong | Tight curve                                       |
| 11-68   | Lake Koshkonong | Tight curve                                       |
| 11-69   | Lake Koshkonong | Tight curve                                       |
| 11-70   | Lake Koshkonong | distal end is corroded away                       |
| 11-71   | Lake Koshkonong | Tight curve                                       |
| 11-72   | Lake Koshkonong | Tight curve                                       |
| 11-73   | Lake Koshkonong |   |
| 11-74   | Lake Koshkonong | Shallow curved base                               |
| 11-75   | Lake Koshkonong | Shallow curved base                               |
| 11-76   | Lake Koshkonong | Flat base   |
| 11-77   | Lake Koshkonong | shallow curved base                               |
| 11-78   | Lake Koshkonong | shallow curved base                               |
| 11-79   | Lake Koshkonong | Shallow curved base                               |
| 11-80   | Lake Koshkonong | Shallow curved base                               |
| 11-81   | Lake Koshkonong | Tight curve                                       |
| 11-82   | Lake Koshkonong | Tight curve, might be a hafted awl                |
| 11-83   | Lake Koshkonong | Shallow curve base                                |
| 11-84   | Lake Koshkonong | Tight hook curve                                  |
| 11-85   | Lake Koshkonong | Tight hook curve                                  |
| 11-86   | Lake Koshkonong | Shallow curve base                                |
| 11-87   | Lake Koshkonong | Flat base, second bend in shank                   |
| 11-88   | Lake Koshkonong | Shallow curve base                                |
| 11-89   | Lake Koshkonong | Shallow curve base                                |
| 11-90   | Lake Koshkonong | shallow curve, square cross section is an anomaly |
| 11-91   | Lake Koshkonong | Shallow curve, straight shank                     |
| 11-92   | Lake Koshkonong | Flat base   |
| 11-93   | Lake Koshkonong | Shallow curve base                                |
| 11-94   | Lake Koshkonong | Shallow curve base                                |
| 11-95   | Lake Koshkonong | Tight curve base                                  |
| 11-96   | Lake Koshkonong | Shallow curve base                                |
| 11-97   | Lake Koshkonong |   |
| 11-98   | Lake Koshkonong | Flat base   |
| 11-99   | Lake Koshkonong | Flat base   |

| Cat Num | Provenience     |                                 |  |  |  |  |
|---------|-----------------|---------------------------------|--|--|--|--|
| 11-67   | Lake Koshkonong |                                 |  |  |  |  |
| 11-68   | Lake Koshkonong |                                 |  |  |  |  |
| 11-69   | Lake Koshkonong |                                 |  |  |  |  |
| 11-70   | Lake Koshkonong |                                 |  |  |  |  |
| 11-71   | Lake Koshkonong |                                 |  |  |  |  |
| 11-72   | Lake Koshkonong |                                 |  |  |  |  |
| 11-73   | Lake Koshkonong |                                 |  |  |  |  |
| 11-74   | Lake Koshkonong |                                 |  |  |  |  |
| 11-75   | Lake Koshkonong |                                 |  |  |  |  |
| 11-76   | Lake Koshkonong |                                 |  |  |  |  |
| 11-77   | Lake Koshkonong |                                 |  |  |  |  |
| 11-78   | Lake Koshkonong |                                 |  |  |  |  |
| 11-79   | Lake Koshkonong |                                 |  |  |  |  |
| 11-80   | Lake Koshkonong |                                 |  |  |  |  |
| 11-81   | Lake Koshkonong |                                 |  |  |  |  |
| 11-82   | Lake Koshkonong |                                 |  |  |  |  |
| 11-83   | Lake Koshkonong |                                 |  |  |  |  |
| 11-84   | Lake Koshkonong |                                 |  |  |  |  |
| 11-85   | Lake Koshkonong |                                 |  |  |  |  |
| 11-86   | Lake Koshkonong | measurements taken on Photoshop |  |  |  |  |
| 11-87   | Lake Koshkonong |                                 |  |  |  |  |
| 11-88   | Lake Koshkonong |                                 |  |  |  |  |
| 11-89   | Lake Koshkonong |                                 |  |  |  |  |
| 11-90   | Lake Koshkonong |                                 |  |  |  |  |
| 11-91   | Lake Koshkonong |                                 |  |  |  |  |
| 11-92   | Lake Koshkonong |                                 |  |  |  |  |
| 11-93   | Lake Koshkonong |                                 |  |  |  |  |
| 11-94   | Lake Koshkonong |                                 |  |  |  |  |
| 11-95   | Lake Koshkonong |                                 |  |  |  |  |
| 11-96   | Lake Koshkonong |                                 |  |  |  |  |
| 11-97   | Lake Koshkonong |                                 |  |  |  |  |
| 11-98   | Lake Koshkonong |                                 |  |  |  |  |
| 11-99   | Lake Koshkonong |                                 |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect     |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|---------------|
| 11-100  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular   |
| 11-101  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square        |
| 11-102  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-103  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-104  | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square        |
| 11-105  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round         |
| 11-106  | Lake Koshkonong | Very Heavy  | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-107  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-108  | Lake Koshkonong | Medium      | Partial      | Distal and Medial   | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-109  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-110  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-111  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | N/A        | Round         |
| 11-112  | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-113  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical | Pointed    | Round         |
| 11-114  | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square        |
| 30-01   | Lake Koshkonong | Heavy       | Whole        | Indeterminate       | Non-Utilitarian | Asymmetrical | Rounded    | Rectangular   |
| 30-02   | Lake Koshkonong | Heavy       | Partial      | All                 | Bladed          | Asymmetrical | Rounded    | Wedge         |
| 30-03   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge         |
| 30-04   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge         |
| 30-05   | Lake Koshkonong | Very Heavy  | Partial      | All                 | Bladed          | Asymmetrical | Pointed    | Wedge         |
| 30-06   | Lake Koshkonong | Very Heavy  | Partial      | All                 | Bladed          | Asymmetrical | Rounded    | Indeterminate |
| 30-07   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Bladed          | Asymmetrical | N/A        | Wedge         |
| 30-08   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Non-Utilitarian | Asymmetrical | Rounded    | Rectangular   |
| 30-09   | Lake Koshkonong | Heavy       | Whole        | Indeterminate       | Non-Utilitarian | Asymmetrical | Rounded    | Rectangular   |
| 30-10   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Bladed          | Asymmetrical | Rounded    | Wedge         |
| 30-11   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Sheet         |
| 30-12   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge         |
| 30-13   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge         |

| Cat Num | Provenience     | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|------------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 11-100  | Lake Koshkonong | J                | > 90         | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 11-101  | Lake Koshkonong | J                | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 11-102  | Lake Koshkonong | K or G           | > 90         | Absent       | Rod            | Round       | N/A        | 1      | 0         |
| 11-103  | Lake Koshkonong | G                | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-104  | Lake Koshkonong | G                | > 90         | Present      | Loop           | Square      | Rounded    | 1      | 0         |
| 11-105  | Lake Koshkonong | K or G           | > 90         | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| 11-106  | Lake Koshkonong | K                | > 90         | Absent       | Rod            | Round       | N/A        | 1      | 0         |
| 11-107  | Lake Koshkonong | G                | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-108  | Lake Koshkonong | C                | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-109  | Lake Koshkonong | K or G           | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-110  | Lake Koshkonong | C                | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-111  | Lake Koshkonong | K or G           | > 90         | N/A          | N/A            | Round       | Pointed    | 1      | 0         |
| 11-112  | Lake Koshkonong | K                | > 90         | Absent       | Rod            | Round       | Pointed    | 1      | 0         |
| 11-113  | Lake Koshkonong | K or G           | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 11-114  | Lake Koshkonong | G                | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 30-01   | Lake Koshkonong | Semi-circular    | N/A          | N/A          | N/A            | Sheet       | Flat       | 0      | 0         |
| 30-02   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 30-03   | Lake Koshkonong | Semi-Circular    | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 30-04   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 30-05   | Lake Koshkonong | Crescent         | < 90         | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 30-06   | Lake Koshkonong | Crescent         | < 90         | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 30-07   | Lake Koshkonong | N/A              | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 30-08   | Lake Koshkonong | Blunted Crescent | N/A          | Present      | Tang           | Rectangular | Rounded    | 0      | 0         |
| 30-09   | Lake Koshkonong | Semi-circular    | N/A          | N/A          | N/A            | Sheet       | Flat       | 0      | 0         |
| 30-10   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 30-11   | Lake Koshkonong | Semi-Circular    | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 30-12   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 30-13   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Socket         | Angular     | Pointed    | 1      | 1         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 11-100  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-101  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 11-102  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-103  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-104  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-105  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-106  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-107  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-108  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-109  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-110  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-111  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-112  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 11-113  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 11-114  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 30-01   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 30-02   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| 30-03   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Notched   | None      | None     | None     |
| 30-04   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | Notched   | None      | None     | None     |
| 30-05   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 30-06   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| 30-07   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 30-08   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 30-09   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 30-10   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 30-11   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 30-12   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| 30-13   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 11-100  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 50.22  | 21.15 | 3.45      | 3.03   |
| 11-101  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 46.22  | 10.94 | 2.89      | 2.15   |
| 11-102  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 38.59  | 24.82 | 2.86      | 1      |
| 11-103  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 41.3   | 32.34 | 2.96      | 2.17   |
| 11-104  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 33.12  | 15.79 | 3.53      | 2.18   |
| 11-105  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 30.74  | 33.66 | 3.68      | 2.14   |
| 11-106  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 35.56  | 44.65 | 4.53      |        |
| 11-107  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 29.12  | 23.61 | 2.69      | 1.31   |
| 11-108  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 32.95  | 27.16 | 4.08      | 3.88   |
| 11-109  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 39.06  | 23.35 | 2.83      | 1.42   |
| 11-110  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 34.28  | 30.62 | 2.89      | 2.79   |
| 11-111  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 18.66  | 19.77 | 2.13      | 0.45   |
| 11-112  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 69.22  | 35.48 | 3.38      | 3.56   |
| 11-113  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 35.47  | 30.21 | 2.69      | 1.09   |
| 11-114  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 65.13  | 33.17 | 5.07      | 6.45   |
| 30-01   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 35.89  | 12.9  | 2.54      | 4.66   |
| 30-02   | Lake Koshkonong | Bend      | 3         | Yes        | Absent  | N/A         | 70.29  | 13.01 | 2.73      | 5.85   |
| 30-03   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 48.19  | 11.38 | 2.46      | 3      |
| 30-04   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 73.67  | 14.16 | 1.21      | 13.52  |
| 30-05   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 81.23  | 10.77 | 2.1       | 11.77  |
| 30-06   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A         | 130.96 | 15.54 | 3.32      | 15.1   |
| 30-07   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 49.46  | 12.21 | 4.51      | 6      |
| 30-08   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 44.18  | 7.71  | 1.87      | 2.93   |
| 30-09   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 28.64  | 10.61 | 2         | 1.77   |
| 30-10   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 40.04  | 8.44  | 1.63      | 1.93   |
| 30-11   | Lake Koshkonong | None      | 0         | No         | Present | Reshaped    | 35.42  | 11.23 | 3         | 1.51   |
| 30-12   | Lake Koshkonong | None      | 1         | Yes        | Present | Reshaped    | 97.18  | 17.63 | 4.1       | 22.32  |
| 30-13   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 90.92  | 15.55 | 12.59     | 28.37  |



| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 11-100  | Lake Koshkonong | Unknown                |             |
| 11-101  | Lake Koshkonong | Fish Hook              | VII         |
| 11-102  | Lake Koshkonong | Fish Hook              | VII         |
| 11-103  | Lake Koshkonong | Fish Hook              | VII         |
| 11-104  | Lake Koshkonong | Fish Hook              | VII         |
| 11-105  | Lake Koshkonong | Fish Hook              | VII         |
| 11-106  | Lake Koshkonong | Fish Hook              | VII         |
| 11-107  | Lake Koshkonong | Fish Hook              | VII         |
| 11-108  | Lake Koshkonong | Fish Hook              | VII         |
| 11-109  | Lake Koshkonong | Fish Hook              | VII         |
| 11-110  | Lake Koshkonong | Fish Hook              | VII         |
| 11-111  | Lake Koshkonong | Fish Hook              | VII         |
| 11-112  | Lake Koshkonong | Fish Hook              | VII         |
| 11-113  | Lake Koshkonong | Fish Hook              | VII         |
| 11-114  | Lake Koshkonong | Unknown                |             |
| 30-01   | Lake Koshkonong | Crescent               | III-G1      |
| 30-02   | Lake Koshkonong | Knife                  | II-A2       |
| 30-03   | Lake Koshkonong | Knife                  | II-A2       |
| 30-04   | Lake Koshkonong | Knife                  | II-A2       |
| 30-05   | Lake Koshkonong | Knife                  | II-A2       |
| 30-06   | Lake Koshkonong | Knife                  | II-A2       |
| 30-07   | Lake Koshkonong | Knife                  | II-B        |
| 30-08   | Lake Koshkonong | Crescent               | III         |
| 30-09   | Lake Koshkonong | Crescent               | III-G1      |
| 30-10   | Lake Koshkonong | Knife                  | II-B        |
| 30-11   | Lake Koshkonong | Knife                  | II-A        |
| 30-12   | Lake Koshkonong | Knife                  | II-A2       |
| 30-13   | Lake Koshkonong | Knife                  | II-C        |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 11-100  | Lake Koshkonong | looks like a coverted awl   |
| 11-101  | Lake Koshkonong | Probable expedient hook from a square awl   |
| 11-102  | Lake Koshkonong | Shallow curve base  |
| 11-103  | Lake Koshkonong | Shallow curve base  |
| 11-104  | Lake Koshkonong | tight curve, loop goes to the outside of hook   |
| 11-105  | Lake Koshkonong | Shallow curve base  |
| 11-106  | Lake Koshkonong | Shallow curve base  |
| 11-107  | Lake Koshkonong | shallow curve base, DE recurve  |
| 11-108  | Lake Koshkonong | shallow curve base, DE recurve  |
| 11-109  | Lake Koshkonong | Flat base   |
| 11-110  | Lake Koshkonong | shallow curve base  |
| 11-111  | Lake Koshkonong |   |
| 11-112  | Lake Koshkonong | shallow curve base, DE recurve  |
| 11-113  | Lake Koshkonong | shallow curve base  |
| 11-114  | Lake Koshkonong | squire awl with a 90 degree bend  |
| 30-01   |                 | Same build as 30-09. It may have been a very small knife at one time, but all evidence of a tang and sharp edge are gone, however, the flat "top" and "back" margins are designed like other knives - straight proximal end of the blade component, and incurvate blade back. |
|         | Lake Koshkonong | This knife is well made, has several bends likely caused by use and a relatively large notch corroded out of the blade's cutting edge   |
|         | Lake Koshkonong | Smaller knife, back and proximal end of blade at flat continuation of the tang  |
|         | Lake Koshkonong | Highly formalized knife, pronounced distal elf tow, rounded end, "blood groove" in haft   |
|         | Lake Koshkonong | Exaggerated pointed toe   |
|         | Lake Koshkonong | Very Heavy corrosion obscures entire artifact, larger scale attributes can still be deciphered though   |
|         | Lake Koshkonong | simple knife with broken/coroded of distal end  |
|         | Lake Koshkonong | Probably a crescent with one tang missing, outer edge of curve is corroded away, but it doesn't look sharpened  |
|         | Lake Koshkonong | Same build as 30-01.  |
|         | Lake Koshkonong | probably missing some length from the hafting tang  |
|         | Lake Koshkonong | Possible expedient knife made from a "conical" projectile point, folded over metal on one side  |
|         | Lake Koshkonong | strong evidence of Heavy repair on one side with a flap of metal pounded down from the back to hold the broken blade in place, just distal of the hafting element   |
|         | Lake Koshkonong | Nice example of a socketed knife. Significantly different shape in plan view from Wittry's example; much longer socket, blade is an arched not straight   |
| 30-02   | Lake Koshkonong |   |
| 30-03   | Lake Koshkonong |   |
| 30-04   | Lake Koshkonong |   |
| 30-05   | Lake Koshkonong |   |
| 30-06   | Lake Koshkonong |   |
| 30-07   | Lake Koshkonong |   |
| 30-08   | Lake Koshkonong |   |
| 30-09   | Lake Koshkonong |   |
| 30-10   | Lake Koshkonong |   |
| 30-11   | Lake Koshkonong |   |
| 30-12   | Lake Koshkonong |   |
| 30-13   | Lake Koshkonong |   |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| 11-100  | Lake Koshkonong |  |  |  |  |  |
| 11-101  | Lake Koshkonong |  |  |  |  |  |
| 11-102  | Lake Koshkonong |  |  |  |  |  |
| 11-103  | Lake Koshkonong |  |  |  |  |  |
| 11-104  | Lake Koshkonong |  |  |  |  |  |
| 11-105  | Lake Koshkonong |  |  |  |  |  |
| 11-106  | Lake Koshkonong |  |  |  |  |  |
| 11-107  | Lake Koshkonong |  |  |  |  |  |
| 11-108  | Lake Koshkonong |  |  |  |  |  |
| 11-109  | Lake Koshkonong |  |  |  |  |  |
| 11-110  | Lake Koshkonong |  |  |  |  |  |
| 11-111  | Lake Koshkonong |  |  |  |  |  |
| 11-112  | Lake Koshkonong |  |  |  |  |  |
| 11-113  | Lake Koshkonong |  |  |  |  |  |
| 11-114  | Lake Koshkonong |  |  |  |  |  |
| 30-01   | Lake Koshkonong | This was Mr. Bussey's first copper find. |  |  |  |  |
| 30-02   | Lake Koshkonong |  |  |  |  |  |
| 30-03   | Lake Koshkonong | 33.7                                     |  |  |  |  |
| 30-04   | Lake Koshkonong |  |  |  |  |  |
| 30-05   | Lake Koshkonong |  |  |  |  |  |
| 30-06   | Lake Koshkonong |  |  |  |  |  |
| 30-07   | Lake Koshkonong |  |  |  |  |  |
| 30-08   | Lake Koshkonong |  |  |  |  |  |
| 30-09   | Lake Koshkonong |  |  |  |  |  |
| 30-10   | Lake Koshkonong |  |  |  |  |  |
| 30-11   | Lake Koshkonong |  |  |  |  |  |
| 30-12   | Lake Koshkonong |  |  |  |  |  |
| 30-13   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect     |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|---------------|---------------|
| 30-14   | Lake Koshkonong | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Rounded       | Wedge         |
| 30-15   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded       | Wedge         |
| 30-16   | Lake Koshkonong | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Pointed       | Wedge         |
| 30-17   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Bladed          | Asymmetrical | Flat          | Wedge         |
| 30-18   | Lake Koshkonong | Heavy       | Partial      | Medial              | Bladed          | Asymmetrical | N/A           | Wedge         |
| 30-19   | Lake Koshkonong | Heavy       | Partial      | All                 | Bladed          | Asymmetrical | N/A           | Wedge         |
| 30-20   | Lake Koshkonong | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Rounded       | Wedge         |
| 30-21   | Lake Koshkonong | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Rounded       | Wedge         |
| 30-22   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded       | Wedge         |
| 30-23   | Lake Koshkonong | Heavy       | Partial      | Medial              | Bladed          | Asymmetrical | Indeterminate | Wedge         |
| 30-24   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Bladed          | Asymmetrical | N/A           | Wedge         |
| 33-01   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-02   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Indeterminate |
| 33-03   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round         |
| 33-04   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-05   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round         |
| 33-06   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-07   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-08   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A           | Rectangular   |
| 33-09   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A           | Rectangular   |
| 33-10   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-11   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-12   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-13   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-14   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-15   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-16   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Pointed       | Round         |
| 33-17   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round         |
| 33-18   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square        |
| 33-19   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular   |
| 33-20   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Pointed       | Square        |

| Cat Num | Provenience     | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph | Num FU | Num Edges |
|---------|-----------------|------------------|--------------|--------------|----------------|---------------|------------|--------|-----------|
| 30-14   | Lake Koshkonong | Blunted Crescent | > 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 30-15   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 30-16   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 30-17   | Lake Koshkonong | Rectangular      | N/A          | Present      | Tang           | Rectangular   | Pointed    | 1      | 1         |
| 30-18   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 30-19   | Lake Koshkonong | Blunted Crescent | > 90         | Present      | Tang           | Rectangular   | Pointed    | 1      | 1         |
| 30-20   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 30-21   | Lake Koshkonong | Blunted Crescent | < 90         | Present      | Tang           | Round         | Pointed    | 1      | 1         |
| 30-22   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular   | Pointed    | 1      | 1         |
| 30-23   | Lake Koshkonong | Sub-Triangular   | N/A          | N/A          | N/A            | Rectangular   | N/A        | 1      | 0         |
| 30-24   | Lake Koshkonong | Wedge            | N/A          | Present      | Tang           | Rectangular   | N/A        | 1      | 1         |
| 33-01   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-02   | Lake Koshkonong | Indeterminate    | N/A          | Present      | Socket         | Indeterminate | N/A        | 1      | 0         |
| 33-03   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 33-04   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 33-05   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-06   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 33-07   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-08   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 33-09   | Lake Koshkonong | N/A              | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-10   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | N/A        | 1      | 0         |
| 33-11   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-12   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 33-13   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 33-14   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 33-15   | Lake Koshkonong | Triangular       | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 33-16   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | N/A        | 1      | 0         |
| 33-17   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 33-18   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 33-19   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 33-20   | Lake Koshkonong | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 30-14   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | Bend      | None      | Bend     | None     |
| 30-15   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | Notched   | None      | None     | None     |
| 30-16   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Lipped    | Notched   | None     | None     |
| 30-17   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 30-18   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 30-19   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Bend      | Notched   | None     | None     |
| 30-20   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| 30-21   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | None      | None      | Rounded  | None     |
| 30-22   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 30-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Crushed   | None      | None     | None     |
| 30-24   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | Broken    | None      | Rounded  | None     |
| 33-01   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | Flattened | None     | None     |
| 33-02   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-03   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-04   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-05   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-06   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 33-07   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-08   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Lipped   | None     |
| 33-09   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Crimped  | None     |
| 33-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 33-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Polished  | None      | None     | None     |
| 33-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Twisted   | None      | Broken   | None     |
| 33-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 30-14   | Lake Koshkonong | None      | 2         | Yes        | Present | Restraighten | 143.73 | 24.5  | 4.32      | 51.38  |
| 30-15   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 118.43 | 21.45 | 4.18      | 25.52  |
| 30-16   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 134.32 | 17.29 | 2.8       | 26.39  |
| 30-17   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 161    | 22.83 | 11.42     | 61.37  |
| 30-18   | Lake Koshkonong | Broken    | 1         | Yes        | Absent  | N/A          | 39.42  | 8.35  | 2         | 1.97   |
| 30-19   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 71.38  | 17.5  | 4.75      | 15.46  |
| 30-20   | Lake Koshkonong | Crushed   | 2         | Yes        | Absent  | N/A          | 86.34  | 15.41 | 3.79      | 17.56  |
| 30-21   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 97.71  | 16.81 | 3.49      | 20.2   |
| 30-22   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 128.78 | 24.27 | 4.65      | 26.61  |
| 30-23   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 50.96  | 15.21 | 4.59      | 8.56   |
| 30-24   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 55.06  | 18.41 | 6.91      | 17.61  |
| 33-01   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 51.61  | 9.19  | 7.88      | 7.03   |
| 33-02   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.44  | 20.57 | 4.54      | 5.53   |
| 33-03   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 28.8   | 6.61  | 5.08      | 1.06   |
| 33-04   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 26.31  | 5.45  | 3.94      | 1.07   |
| 33-05   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 18.38  | 5.13  | 3.84      | 0.61   |
| 33-06   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 29.04  | 9.08  | 6.6       | 3.61   |
| 33-07   | Lake Koshkonong | None      | 0         | No         | Present | Resharpened  | 22.47  | 7.17  | 6.17      | 1.75   |
| 33-08   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 24.46  | 7.31  | 4.91      | 1.51   |
| 33-09   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 22.98  | 7.06  | 5.86      | 1.48   |
| 33-10   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 24.29  | 6.16  | 6.19      | 1.27   |
| 33-11   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 24.42  | 5.72  | 4.1       | 0.7    |
| 33-12   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.29  | 6.76  | 4.52      | 1.92   |
| 33-13   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 28.43  | 7.2   | 5.33      | 1.45   |
| 33-14   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 64.47  | 14.06 | 4.7       | 6.16   |
| 33-15   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 23.46  | 7.24  | 4.8       | 1.68   |
| 33-16   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37.08  | 8.34  | 6.71      | 3.17   |
| 33-17   | Lake Koshkonong | Crimped   | 1         | Yes        | Absent  | N/A          | 31.86  | 6.99  | 6.45      | 2.04   |
| 33-18   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 30.34  | 6.99  | 5.52      | 2.05   |
| 33-19   | Lake Koshkonong | None      | 2         | Yes        | Present | Reshaped     | 37.2   | 7.95  | 4.61      | 2.67   |
| 33-20   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 34.44  | 5.49  | 5.4       | 1.68   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 30-14   | Lake Koshkonong | Knife                  | II-A2       |
| 30-15   | Lake Koshkonong | Knife                  | II-A2       |
| 30-16   | Lake Koshkonong | Knife                  | II-A2       |
| 30-17   | Lake Koshkonong | Knife                  | II          |
| 30-18   | Lake Koshkonong | Knife                  | II          |
| 30-19   | Lake Koshkonong | Knife                  | II          |
| 30-20   | Lake Koshkonong | Knife                  | II-B        |
| 30-21   | Lake Koshkonong | Knife                  | II-B        |
| 30-22   | Lake Koshkonong | Knife                  | II-A1       |
| 30-23   | Lake Koshkonong | Knife                  | II          |
| 30-24   | Lake Koshkonong | Knife                  | II          |
| 33-01   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-02   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-03   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-04   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-05   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-06   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-07   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-08   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-09   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-10   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-11   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-12   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-13   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-14   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-15   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-16   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-17   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-18   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-19   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-20   | Lake Koshkonong | Projectile Point       | I-L/N/O     |



| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 30-14   | Lake Koshkonong | Very well crafted, with definite "heel" at the proximal end of the blade, most examples simply round into the sharpened portion - very formalized style |
| 30-15   | Lake Koshkonong | Well crafted and exaggerated elf toe arch, has the well defined blade heel also   |
| 30-16   | Lake Koshkonong | This one has characteristics of both A and B sub-types  |
| 30-17   | Lake Koshkonong | Strange flat distal end and straight back   |
| 30-18   | Lake Koshkonong | small knife with most of the distal end, though the extreme distal end is corroded away.  |
| 30-19   | Lake Koshkonong | extreme arch in blade, very thick hafting tang, very end of distal end is corroded away   |
| 30-20   | Lake Koshkonong | closest to II-B   |
| 30-21   | Lake Koshkonong | Elf toe with round end and rounded tang, most like II-B   |
| 30-22   | Lake Koshkonong | Edge of blade is corroded away  |
| 30-23   | Lake Koshkonong | Small triangular piece of copper with extensive evidence of manufacturing but no clear functional units, some edges corroded away                       |
| 30-24   | Lake Koshkonong | distal end is broken off  |
| 33-01   | Lake Koshkonong | base is rounded toward prox   |
| 33-02   | Lake Koshkonong | Completely smashed flat   |
| 33-03   | Lake Koshkonong | Base is rounded toward Prox, 'not a tinkling cone   |
| 33-04   | Lake Koshkonong | base is flat  |
| 33-05   | Lake Koshkonong | base is flat  |
| 33-06   | Lake Koshkonong | base is rounded toward prox   |
| 33-07   | Lake Koshkonong | base is flat  |
| 33-08   | Lake Koshkonong | Base pointed on right vent edge   |
| 33-09   | Lake Koshkonong | base is rounded toward prox   |
| 33-10   | Lake Koshkonong | base is missing   |
| 33-11   | Lake Koshkonong | base is flat  |
| 33-12   | Lake Koshkonong | Base is pointed toward Prox.  |
| 33-13   | Lake Koshkonong | base is flat  |
| 33-14   | Lake Koshkonong | Base is rounded toward prox, most of socket is corroded away  |
| 33-15   | Lake Koshkonong | base is flat  |
| 33-16   | Lake Koshkonong | base is flat  |
| 33-17   | Lake Koshkonong | base is flat  |
| 33-18   | Lake Koshkonong | base is too corroded  |
| 33-19   | Lake Koshkonong | base is rounded   |
| 33-20   | Lake Koshkonong | Base is pointed toward Prox.  |

| Cat Num | Provenience     |  |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|--|
| 30-14   | Lake Koshkonong |  |  |  |  |  |  |
| 30-15   | Lake Koshkonong |  |  |  |  |  |  |
| 30-16   | Lake Koshkonong |  |  |  |  |  |  |
| 30-17   | Lake Koshkonong |  |  |  |  |  |  |
| 30-18   | Lake Koshkonong |  |  |  |  |  |  |
| 30-19   | Lake Koshkonong |  |  |  |  |  |  |
| 30-20   | Lake Koshkonong |  |  |  |  |  |  |
| 30-21   | Lake Koshkonong |  |  |  |  |  |  |
| 30-22   | Lake Koshkonong |  |  |  |  |  |  |
| 30-23   | Lake Koshkonong |  |  |  |  |  |  |
| 30-24   | Lake Koshkonong |  |  |  |  |  |  |
| 33-01   | Lake Koshkonong |  |  |  |  |  |  |
| 33-02   | Lake Koshkonong |  |  |  |  |  |  |
| 33-03   | Lake Koshkonong |  |  |  |  |  |  |
| 33-04   | Lake Koshkonong |  |  |  |  |  |  |
| 33-05   | Lake Koshkonong |  |  |  |  |  |  |
| 33-06   | Lake Koshkonong |  |  |  |  |  |  |
| 33-07   | Lake Koshkonong |  |  |  |  |  |  |
| 33-08   | Lake Koshkonong |  |  |  |  |  |  |
| 33-09   | Lake Koshkonong |  |  |  |  |  |  |
| 33-10   | Lake Koshkonong |  |  |  |  |  |  |
| 33-11   | Lake Koshkonong |  |  |  |  |  |  |
| 33-12   | Lake Koshkonong |  |  |  |  |  |  |
| 33-13   | Lake Koshkonong |  |  |  |  |  |  |
| 33-14   | Lake Koshkonong |  |  |  |  |  |  |
| 33-15   | Lake Koshkonong |  |  |  |  |  |  |
| 33-16   | Lake Koshkonong |  |  |  |  |  |  |
| 33-17   | Lake Koshkonong |  |  |  |  |  |  |
| 33-18   | Lake Koshkonong |  |  |  |  |  |  |
| 33-19   | Lake Koshkonong |  |  |  |  |  |  |
| 33-20   | Lake Koshkonong |  |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry    | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|-------------|---------------|-------------|
| 33-21   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |
| 33-22   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-23   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Rounded       | Rectangular |
| 33-24   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-25   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-26   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-27   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-28   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-29   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-30   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-31   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-32   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |
| 33-33   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |
| 33-34   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-35   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-36   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical | Indeterminate | Rectangular |
| 33-37   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Rounded       | Rectangular |
| 33-38   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-39   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-40   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-41   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-42   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-43   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-44   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-45   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-46   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |
| 33-47   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-48   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |
| 33-49   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | N/A           | Rectangular |
| 33-50   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Square      |
| 33-51   | Lake Koshkonong | Heavy       | Whole        | All                 | Blunt           | Symmetrical | Rounded       | Rectangular |
| 33-52   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Rectangular |
| 33-53   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical | Pointed       | Round       |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|---------------|---------------|--------|-----------|
| 33-21   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded       | 1      | 0         |
| 33-22   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-23   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Flat          | 1      | 0         |
| 33-24   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Rounded       | 1      | 0         |
| 33-25   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-26   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-27   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-28   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-29   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded       | 1      | 0         |
| 33-30   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-31   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | N/A           | 1      | 0         |
| 33-32   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |
| 33-33   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | N/A           | 1      | 0         |
| 33-34   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed       | 1      | 0         |
| 33-35   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-36   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Flat          | 1      | 0         |
| 33-37   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | N/A           | 1      | 0         |
| 33-38   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-39   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded       | 1      | 0         |
| 33-40   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-41   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-42   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-43   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed       | 1      | 0         |
| 33-44   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |
| 33-45   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-46   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed       | 1      | 0         |
| 33-47   | Lake Koshkonong | Triangular     | N/A          | Present      | Socket         | Indeterminate | Indeterminate | 1      | 0         |
| 33-48   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |
| 33-49   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Indeterminate | 1      | 0         |
| 33-50   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |
| 33-51   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-52   | Lake Koshkonong | Triangular     | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-53   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection    | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1  | Mid UD 2 |
|---------|-----------------|----------|-------------|--------------------|--------|------------|-----------|-----------|-----------|----------|
| 33-21   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-22   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Lipped    | None      | None      | None     |
| 33-23   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | None      | None     |
| 33-24   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-25   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-26   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-27   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Bend      | Bend      | None      | None     |
| 33-28   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Notched   | Bend      | None      | None     |
| 33-29   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-30   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | Bend      | None     |
| 33-31   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-32   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-33   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-34   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-35   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Bend      | None      | None      | None     |
| 33-36   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | None      | None     |
| 33-37   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | Rounded   | None      | Flattened | None     |
| 33-38   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Refined    | Notched   | None      | None      | None     |
| 33-39   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Bend      | None      | None      | None     |
| 33-40   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Refined    | Notched   | None      | None      | None     |
| 33-41   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Bend      | None      | None      | None     |
| 33-42   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Refined    | None      | None      | None      | None     |
| 33-43   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Refined    | None      | None      | None      | None     |
| 33-44   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Refined    | Lipped    | None      | None      | None     |
| 33-45   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-46   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | None      | None     |
| 33-47   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | None      | None     |
| 33-48   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | Bend      | None     |
| 33-49   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | None      | None     |
| 33-50   | Lake Koshkonong | N/A      | Present     | Proximal Side Barb | Absent | Medium     | Bend      | None      | None      | None     |
| 33-51   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Crude      | None      | None      | None      | None     |
| 33-52   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | None      | None      | Split     | None     |
| 33-53   | Lake Koshkonong | N/A      | Absent      | N/A                | Absent | Medium     | Bend      | None      | None      | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 33-21   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 35.7   | 9.38  | 7.2       | 3.38   |
| 33-22   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 31.35  | 8.81  | 7.7       | 2.74   |
| 33-23   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 32.33  | 10.61 | 4.28      | 2.93   |
| 33-24   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.59  | 11.99 | 3.37      | 5.04   |
| 33-25   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37.08  | 6     | 5.2       | 2.16   |
| 33-26   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 51.26  | 7.19  | 4.87      | 2.54   |
| 33-27   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 53.4   | 9.2   | 6.17      | 6.7    |
| 33-28   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 49.75  | 7.77  | 6.32      | 3.42   |
| 33-29   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 50.47  | 9.67  | 7.98      | 6.07   |
| 33-30   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 45.7   | 8.89  | 6.43      | 4.79   |
| 33-31   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 46.88  | 12.7  | 8.82      | 9.86   |
| 33-32   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 51.94  | 5.96  | 4.66      | 3.39   |
| 33-33   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 54.24  | 8.64  | 4.86      | 2.67   |
| 33-34   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 52.99  | 8.94  | 6.87      | 6.21   |
| 33-35   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 47.65  | 7.48  | 6.2       | 3.27   |
| 33-36   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 25.46  | 13.6  | 5.21      | 5.07   |
| 33-37   | Lake Koshkonong | Bend      | 3         | Yes        | Absent  | N/A          | 34.83  | 6.79  | 3.95      | 1.68   |
| 33-38   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 64.17  | 6.68  | 5.74      | 3.83   |
| 33-39   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 36.44  | 6.14  | 5.28      | 1.88   |
| 33-40   | Lake Koshkonong | None      | 1         | Yes        | Present | Resharpened  | 77.42  | 13.57 | 10.01     | 25.38  |
| 33-41   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 100.14 | 15.28 | 12.61     | 26.54  |
| 33-42   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 142.23 | 11.57 | 12.12     | 16.2   |
| 33-43   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 89.71  | 13.87 | 10.75     | 19.05  |
| 33-44   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 68.2   | 14.94 | 8.94      | 13.18  |
| 33-45   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 71.18  | 7.85  | 6.5       | 5.03   |
| 33-46   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 19.72  | 5.97  | 5.46      | 0.86   |
| 33-47   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.2   | 11.4  | 2.3       | 2.21   |
| 33-48   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 19.97  | 8.86  | 8.29      | 4.27   |
| 33-49   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.29  | 7.53  | 2.54      | 1.54   |
| 33-50   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 24.42  | 4.06  | 3.29      | 0.54   |
| 33-51   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 32.96  | 9.96  | 6.6       | 3.63   |
| 33-52   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 62.3   | 14.07 | 10.12     | 14.67  |
| 33-53   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 25.68  | 6.45  | 5.08      | 1.42   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 33-21   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-22   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-23   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-24   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-25   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-26   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-27   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-28   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-29   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-30   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-31   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-32   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-33   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-34   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-35   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-36   | Lake Koshkonong | Unknown                |             |
| 33-37   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-38   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-39   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-40   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-41   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-42   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-43   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-44   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-45   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-46   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-47   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-48   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-49   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-50   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-51   | Lake Koshkonong | Projectile Point       | I           |
| 33-52   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-53   | Lake Koshkonong | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience     | Comments                                |
|---------|-----------------|---|
| 33-21   | Lake Koshkonong | base is rounded                         |
| 33-22   | Lake Koshkonong | Base is pointed toward Prox.            |
| 33-23   | Lake Koshkonong | smashed flat                            |
| 33-24   | Lake Koshkonong | base is flat                            |
| 33-25   | Lake Koshkonong | base is flat                            |
| 33-26   | Lake Koshkonong | base is rounded                         |
| 33-27   | Lake Koshkonong | base is flat                            |
| 33-28   | Lake Koshkonong | Base is pointed toward Prox.            |
| 33-29   | Lake Koshkonong | Base is rounded                         |
| 33-30   | Lake Koshkonong | base is flat                            |
| 33-31   | Lake Koshkonong | base is unique - concave piece removed? |
| 33-32   | Lake Koshkonong | base is flat                            |
| 33-33   | Lake Koshkonong | base is flat                            |
| 33-34   | Lake Koshkonong | base is rounded                         |
| 33-35   | Lake Koshkonong | base is flat                            |
| 33-36   | Lake Koshkonong | smashed flat and maybe cut?             |
| 33-37   | Lake Koshkonong | Base is distorted                       |
| 33-38   | Lake Koshkonong | Base is pointed toward Prox.            |
| 33-39   | Lake Koshkonong | Base is rounded                         |
| 33-40   | Lake Koshkonong | Base is pointed toward Prox.            |
| 33-41   | Lake Koshkonong | base is flat                            |
| 33-42   | Lake Koshkonong | Base is pointed toward Prox.            |
| 33-43   | Lake Koshkonong | Base is corroded                        |
| 33-44   | Lake Koshkonong | base is flat                            |
| 33-45   | Lake Koshkonong | base is flat                            |
| 33-46   | Lake Koshkonong | base is flat                            |
| 33-47   | Lake Koshkonong | Flattened cone                          |
| 33-48   | Lake Koshkonong | base is flat                            |
| 33-49   | Lake Koshkonong | Flattened cone                          |
| 33-50   | Lake Koshkonong | left side of base is extended/pointed   |
| 33-51   | Lake Koshkonong | base is flat                            |
| 33-52   | Lake Koshkonong | base is flat                            |
| 33-53   | Lake Koshkonong | base is flat                            |



| Cat Num | Provenience     |                                    |  |  |  |  |
|---------|-----------------|------------------------------------|--|--|--|--|
| 33-21   | Lake Koshkonong |                                    |  |  |  |  |
| 33-22   | Lake Koshkonong |                                    |  |  |  |  |
| 33-23   | Lake Koshkonong |                                    |  |  |  |  |
| 33-24   | Lake Koshkonong |                                    |  |  |  |  |
| 33-25   | Lake Koshkonong |                                    |  |  |  |  |
| 33-26   | Lake Koshkonong |                                    |  |  |  |  |
| 33-27   | Lake Koshkonong |                                    |  |  |  |  |
| 33-28   | Lake Koshkonong |                                    |  |  |  |  |
| 33-29   | Lake Koshkonong |                                    |  |  |  |  |
| 33-30   | Lake Koshkonong |                                    |  |  |  |  |
| 33-31   | Lake Koshkonong |                                    |  |  |  |  |
| 33-32   | Lake Koshkonong |                                    |  |  |  |  |
| 33-33   | Lake Koshkonong |                                    |  |  |  |  |
| 33-34   | Lake Koshkonong |                                    |  |  |  |  |
| 33-35   | Lake Koshkonong |                                    |  |  |  |  |
| 33-36   | Lake Koshkonong |                                    |  |  |  |  |
| 33-37   | Lake Koshkonong |                                    |  |  |  |  |
| 33-38   | Lake Koshkonong |                                    |  |  |  |  |
| 33-39   | Lake Koshkonong |                                    |  |  |  |  |
| 33-40   | Lake Koshkonong | Dorsal Medial ridge                |  |  |  |  |
| 33-41   | Lake Koshkonong |                                    |  |  |  |  |
| 33-42   | Lake Koshkonong | very well constructed Medial ridge |  |  |  |  |
| 33-43   | Lake Koshkonong |                                    |  |  |  |  |
| 33-44   | Lake Koshkonong |                                    |  |  |  |  |
| 33-45   | Lake Koshkonong |                                    |  |  |  |  |
| 33-46   | Lake Koshkonong |                                    |  |  |  |  |
| 33-47   | Lake Koshkonong |                                    |  |  |  |  |
| 33-48   | Lake Koshkonong |                                    |  |  |  |  |
| 33-49   | Lake Koshkonong |                                    |  |  |  |  |
| 33-50   | Lake Koshkonong |                                    |  |  |  |  |
| 33-51   | Lake Koshkonong |                                    |  |  |  |  |
| 33-52   | Lake Koshkonong |                                    |  |  |  |  |
| 33-53   | Lake Koshkonong |                                    |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect     |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|---------------|
| 33-54   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-55   | Lake Koshkonong | Very Heavy  | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Rounded    | Indeterminate |
| 33-56   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-57   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-58   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-59   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-60   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-61   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-62   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-63   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-64   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-65   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-66   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-67   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-68   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-69   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-70   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-71   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round         |
| 33-72   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-73   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-74   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A        | Indeterminate |
| 33-75   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A        | Round         |
| 33-76   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-77   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-78   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-79   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-80   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round         |
| 33-81   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-82   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-83   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |
| 33-84   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A        | Round         |
| 33-85   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square        |
| 33-86   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular   |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|---------------|---------------|--------|-----------|
| 33-54   | Lake Koshkonong | Triangular     | N/A          | Present      | Socket         | Round         | Flat          | 1      | 0         |
| 33-55   | Lake Koshkonong | Indeterminate  | N/A          | Present      | Socket         | Indeterminate | Indeterminate | 1      | 0         |
| 33-56   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-57   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-58   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-59   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-60   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-61   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-62   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-63   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-64   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-65   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-66   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | N/A           | 1      | 0         |
| 33-67   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-68   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-69   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-70   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Flat          | 1      | 0         |
| 33-71   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed       | 2      | 0         |
| 33-72   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-73   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded       | 1      | 0         |
| 33-74   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-75   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-76   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-77   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat          | 1      | 0         |
| 33-78   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-79   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-80   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | N/A           | 1      | 0         |
| 33-81   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded       | 1      | 0         |
| 33-82   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-83   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded       | 1      | 0         |
| 33-84   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-85   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| 33-86   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Rounded       | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 33-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-55   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-56   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Notched   | None      | None     | None     |
| 33-57   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| 33-58   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| 33-59   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 33-60   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-61   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Broken    | None      | None     | None     |
| 33-62   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Gouged    | None      | None     | None     |
| 33-63   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-64   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Dented   | None     |
| 33-65   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-66   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 33-67   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-68   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-69   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Dented   | None     |
| 33-70   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-71   | Lake Koshkonong | N/A      | Present     | Harpoon         | Absent | Refined    | None      | None      | None     | None     |
| 33-72   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-73   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-74   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-75   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | None     |
| 33-76   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 33-77   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 33-78   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-79   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | Bend     |
| 33-80   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Gouged   | None     |
| 33-81   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-82   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 33-83   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 33-84   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 33-85   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 33-86   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 33-54   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 32.19  | 6.87  | 6.75      | 3.84   |
| 33-55   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 53.47  | 6.47  | 5.78      | 4.16   |
| 33-56   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 76.33  | 15.42 | 9.75      | 19.31  |
| 33-57   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 78.79  | 11.61 | 8.8       | 8.64   |
| 33-58   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 47.82  | 9.51  | 7.49      | 6.18   |
| 33-59   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 44.92  | 9.33  | 7.65      | 5.58   |
| 33-60   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 43.24  | 14.52 | 10.15     | 11.22  |
| 33-61   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 48.09  | 11.45 | 8.96      | 7.63   |
| 33-62   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 69.2   | 13.72 | 10.53     | 13.48  |
| 33-63   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 73.03  | 14.37 | 10.14     | 25.87  |
| 33-64   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 57.6   | 14.43 | 8.54      | 8.53   |
| 33-65   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 83.99  | 7.97  | 4.63      | 5.53   |
| 33-66   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 39.38  | 6.08  | 5.71      | 2.23   |
| 33-67   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 34.71  | 8.34  | 7.6       | 4.56   |
| 33-68   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 28.09  | 7.53  | 5.64      | 1.92   |
| 33-69   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 35.25  | 8.39  | 6.22      | 2.54   |
| 33-70   | Lake Koshkonong | Crushed   | 1         | Yes        | Absent  | N/A          | 40.31  | 9.14  | 5.09      | 3.66   |
| 33-71   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 46.89  | 12.15 | 7.42      | 5.3    |
| 33-72   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 44.39  | 11.6  | 5.7       | 5.11   |
| 33-73   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 23.89  | 7.43  | 5.97      | 2.13   |
| 33-74   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 60.75  | 10.61 | 7.3       | 4.68   |
| 33-75   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 43.06  | 8.87  | 6.21      | 5.08   |
| 33-76   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 37.7   | 8.73  | 6.85      | 4.35   |
| 33-77   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 24.16  | 4.29  | 3.54      | 0.72   |
| 33-78   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 40.31  | 11.2  | 6.25      | 3.79   |
| 33-79   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 29.39  | 7.55  | 4.21      | 1.74   |
| 33-80   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 44.92  | 7.23  | 6.06      | 3.78   |
| 33-81   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 22.78  | 4.26  | 2.7       | 0.65   |
| 33-82   | Lake Koshkonong | None      | 1         | Yes        | Present | Reshaped     | 48.76  | 12.92 | 9.83      | 10.95  |
| 33-83   | Lake Koshkonong | None      | 1         | Yes        | Present | Reshaped     | 27.81  | 5.82  | 3.8       | 1.2    |
| 33-84   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 43.23  | 7.07  | 5.75      | 2.32   |
| 33-85   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.17  | 11.49 | 9.63      | 8.37   |
| 33-86   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 17.95  | 7.07  | 4.34      | 1.2    |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 33-54   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-55   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-56   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-57   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-58   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-59   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-60   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-61   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-62   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-63   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-64   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-65   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-66   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-67   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-68   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-69   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-70   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-71   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-72   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-73   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-74   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-75   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-76   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-77   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-78   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-79   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-80   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-81   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-82   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-83   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-84   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-85   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-86   | Lake Koshkonong | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience     | Comments                     |
|---------|-----------------|------------------------------|
| 33-54   | Lake Koshkonong | base is flat                 |
| 33-55   | Lake Koshkonong | badly smashed and twisted    |
| 33-56   | Lake Koshkonong | base is rounded              |
| 33-57   | Lake Koshkonong | base is flat                 |
| 33-58   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-59   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-60   | Lake Koshkonong | base is rounded              |
| 33-61   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-62   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-63   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-64   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-65   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-66   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-67   | Lake Koshkonong | base is rounded              |
| 33-68   | Lake Koshkonong | base is flat                 |
| 33-69   | Lake Koshkonong | base is flat                 |
| 33-70   | Lake Koshkonong |                              |
| 33-71   | Lake Koshkonong | base is flat                 |
| 33-72   | Lake Koshkonong | base is rounded              |
| 33-73   | Lake Koshkonong | base is flat                 |
| 33-74   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-75   | Lake Koshkonong | base is flat                 |
| 33-76   | Lake Koshkonong | base is flat                 |
| 33-77   | Lake Koshkonong | base is flat                 |
| 33-78   | Lake Koshkonong | base is flat                 |
| 33-79   | Lake Koshkonong | base is flat                 |
| 33-80   | Lake Koshkonong |                              |
| 33-81   | Lake Koshkonong | base is round                |
| 33-82   | Lake Koshkonong | base is round                |
| 33-83   | Lake Koshkonong | base is flat                 |
| 33-84   | Lake Koshkonong | base is round                |
| 33-85   | Lake Koshkonong | Base is pointed toward Prox. |
| 33-86   | Lake Koshkonong | base is flat                 |

| Cat Num | Provenience     |                     |  |  |  |
|---------|-----------------|---------------------|--|--|--|
| 33-54   | Lake Koshkonong |                     |  |  |  |
| 33-55   | Lake Koshkonong |                     |  |  |  |
| 33-56   | Lake Koshkonong |                     |  |  |  |
| 33-57   | Lake Koshkonong | Dorsal Medial ridge |  |  |  |
| 33-58   | Lake Koshkonong |                     |  |  |  |
| 33-59   | Lake Koshkonong |                     |  |  |  |
| 33-60   | Lake Koshkonong |                     |  |  |  |
| 33-61   | Lake Koshkonong |                     |  |  |  |
| 33-62   | Lake Koshkonong | Dorsal Medial ridge |  |  |  |
| 33-63   | Lake Koshkonong |                     |  |  |  |
| 33-64   | Lake Koshkonong |                     |  |  |  |
| 33-65   | Lake Koshkonong | wood in socket      |  |  |  |
| 33-66   | Lake Koshkonong |                     |  |  |  |
| 33-67   | Lake Koshkonong |                     |  |  |  |
| 33-68   | Lake Koshkonong |                     |  |  |  |
| 33-69   | Lake Koshkonong |                     |  |  |  |
| 33-70   | Lake Koshkonong |                     |  |  |  |
| 33-71   | Lake Koshkonong |                     |  |  |  |
| 33-72   | Lake Koshkonong |                     |  |  |  |
| 33-73   | Lake Koshkonong |                     |  |  |  |
| 33-74   | Lake Koshkonong |                     |  |  |  |
| 33-75   | Lake Koshkonong |                     |  |  |  |
| 33-76   | Lake Koshkonong |                     |  |  |  |
| 33-77   | Lake Koshkonong |                     |  |  |  |
| 33-78   | Lake Koshkonong |                     |  |  |  |
| 33-79   | Lake Koshkonong |                     |  |  |  |
| 33-80   | Lake Koshkonong |                     |  |  |  |
| 33-81   | Lake Koshkonong |                     |  |  |  |
| 33-82   | Lake Koshkonong |                     |  |  |  |
| 33-83   | Lake Koshkonong |                     |  |  |  |
| 33-84   | Lake Koshkonong |                     |  |  |  |
| 33-85   | Lake Koshkonong |                     |  |  |  |
| 33-86   | Lake Koshkonong |                     |  |  |  |



| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph    | FE X-sect     |
|---------|-----------------|-------------|--------------|---------------------|----------------------|---------------|---------------|---------------|
| 33-87   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 33-88   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round         |
| 33-89   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A           | Square        |
| 33-90   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Rectangular   |
| 33-91   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round         |
| 38-01   | Lake Koshkonong | Light       | Partial      | Distal and Medial   | Pointed              | Indeterminate | Pointed       | Indeterminate |
| 38-02   | Lake Koshkonong | Medium      | Partial      | Distal and Medial   | Manufacturing Debris | Indeterminate | Rounded       | Rectangular   |
| 38-03   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Pointed       | Triangular    |
| 38-04   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Bladed               | Indeterminate | Indeterminate | Wedge         |
| 38-05   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Square        |
| 38-06   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-07   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed              | Symmetrical   | Pointed       | Round         |
| 38-08   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed              | Symmetrical   | Indeterminate | Square        |
| 38-09   | Lake Koshkonong | Heavy       | Whole        | All                 | Preform              | Indeterminate | Indeterminate | Square        |
| 38-10   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Preform              | Symmetrical   | Indeterminate | Rectangular   |
| 38-11   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-12   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded       | Wedge         |
| 38-13   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-14   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Irregular     |
| 38-15   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square        |
| 38-16   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Square        |
| 38-17   | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Irregular     |
| 38-18   | Lake Koshkonong | Medium      | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Irregular     |
| 38-19   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Bladed               | Symmetrical   | Indeterminate | Triangular    |
| 38-20   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed              | Symmetrical   | Indeterminate | Round         |
| 38-21   | Lake Koshkonong | Very Heavy  | Partial      | Proximal and Medial | Bladed               | Symmetrical   | Indeterminate | Triangular    |
| 38-22   | Lake Koshkonong | Medium      | Partial      | Distal              | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-23   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-24   | Lake Koshkonong | Light       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round         |
| 38-25   | Lake Koshkonong | Medium      | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Rectangular   |
| 38-26   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | Indeterminate | Round         |
| 38-27   | Lake Koshkonong | Light       | Partial      | Medial              | Pointed              | Symmetrical   | N/A           | Square        |
| 38-28   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |

| Cat Num | Provenience     | FE Shape         | Degree Curve | Haft Element  | Proximal Shape | Prox X-sect   | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|------------------|--------------|---------------|----------------|---------------|---------------|--------|-----------|
| 33-87   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Flat          | 1      | 0         |
| 33-88   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Round         | Flat          | 1      | 0         |
| 33-89   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Flat          | 1      | 0         |
| 33-90   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Round         | Pointed       | 1      | 0         |
| 33-91   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Pointed       | 1      | 0         |
| 38-01   | Lake Koshkonong | Irregular        | N/A          | Present       | Socket         | Indeterminate | Indeterminate | 1      | 0         |
| 38-02   | Lake Koshkonong | Triangular       | N/A          | N/A           | N/A            | Triangular    | N/A           | 0      | 0         |
| 38-03   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Indeterminate | Flat          | 3      | 2         |
| 38-04   | Lake Koshkonong | Irregular        | N/A          | N/A           | N/A            | N/A           | N/A           | 1      | 1         |
| 38-05   | Lake Koshkonong | Rod              | N/A          | Absent        | Rod            | Square        | Rounded       | 1      | 0         |
| 38-06   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Round         | Rounded       | 1      | 0         |
| 38-07   | Lake Koshkonong | Sub-Triangular   | N/A          | Indeterminate | N/A            | N/A           | N/A           | 1      | 0         |
| 38-08   | Lake Koshkonong | Rod              | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-09   | Lake Koshkonong | Rod              | N/A          | N/A           | Rod            | Square        | Rounded       | 0      | 0         |
| 38-10   | Lake Koshkonong | Rod              | N/A          | N/A           | Rod            | Rectangular   | Rounded       | 0      | 0         |
| 38-11   | Lake Koshkonong | Rod              | N/A          | Present       | Socket         | Round         | N/A           | 0      | 0         |
| 38-12   | Lake Koshkonong | Blunted Crescent | N/A          | Absent        | Triangular     | Rectangular   | Flat          | 1      | 1         |
| 38-13   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Indeterminate | N/A           | 1      | 0         |
| 38-14   | Lake Koshkonong | Irregular        | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-15   | Lake Koshkonong | Rod              | N/A          | Absent        | Rod            | Square        | Pointed       | 1 or 2 | 0         |
| 38-16   | Lake Koshkonong | Rod              | N/A          | Absent        | Rod            | Square        | N/A           | 1      | 0         |
| 38-17   | Lake Koshkonong | Irregular        | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-18   | Lake Koshkonong | Irregular        | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-19   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Pointed       | 2      | 2         |
| 38-20   | Lake Koshkonong | S                | < 90         | Absent        | Rod            | Round         | Rounded       | 2      | 0         |
| 38-21   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Pointed       | 1      | 1         |
| 38-22   | Lake Koshkonong | Rod              | N/A          | N/A           | N/A            | N/A           | N/A           | 1      | 0         |
| 38-23   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Rounded       | 1      | 0         |
| 38-24   | Lake Koshkonong | Triangular       | N/A          | Present       | Socket         | Angular       | Rounded       | 1      | 0         |
| 38-25   | Lake Koshkonong | Rod              | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-26   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Indeterminate | Pointed       | 1      | 0         |
| 38-27   | Lake Koshkonong | Rod              | N/A          | N/A           | N/A            | N/A           | N/A           | 0      | 0         |
| 38-28   | Lake Koshkonong | Sub-Triangular   | N/A          | Present       | Socket         | Angular       | Pointed       | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 33-87   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Twisted  | None     |
| 33-88   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-89   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 33-90   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 33-91   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-01   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-02   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-03   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | Rounded   | Lipped    | None     | None     |
| 38-04   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-05   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Rounded   | Bend      | Twisted  | None     |
| 38-06   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 38-07   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-08   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-09   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 38-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-12   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | Flattened | None      | None     | None     |
| 38-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 38-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-19   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 38-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 38-21   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 38-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| 38-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-24   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-26   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 33-87   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 53.43  | 15.91 | 10.8      | 15.28  |
| 33-88   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 28.57  | 9.25  | 7.46      | 3.78   |
| 33-89   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 45.37  | 11    | 9.42      | 6.51   |
| 33-90   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 85.19  | 9.89  | 7.1       | 11.43  |
| 33-91   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 69.93  | 8.47  | 6         | 5.52   |
| 38-01   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 46.8   | 9.07  | 2.78      | 3.71   |
| 38-02   | Lake Koshkonong | None      | 0         | No         | Present | Reshaped    | 26.06  | 11.8  | 2.21      | 2.62   |
| 38-03   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A         | 54.83  | 17.08 | 3.32      | 6.89   |
| 38-04   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 11.77  | 9.71  | 2.46      | 0.65   |
| 38-05   | Lake Koshkonong | None      | 3         | Yes        | Absent  | N/A         | 28.24  | 5.14  | 4.62      | 3.36   |
| 38-06   | Lake Koshkonong | None      | 1         | Yes        | Present | Reshaped    | 53.93  | 14.4  | 8.78      | 13.04  |
| 38-07   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 21.3   | 5.91  | 5.62      | 1.04   |
| 38-08   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 40.55  | 4.42  | 4.4       | 3.83   |
| 38-09   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 35.99  | 6.48  | 6.43      | 6.12   |
| 38-10   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 24.18  | 5.2   | 2.13      | 0.92   |
| 38-11   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 34.12  | 6.29  | 3.56      | 3.26   |
| 38-12   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 36.74  | 11.91 | 4.48      | 7.63   |
| 38-13   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 47.71  | 9.96  | 5.39      | 6.16   |
| 38-14   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 46.98  | 17.83 | 6.94      | 18.18  |
| 38-15   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 39.48  | 4.48  | 2.93      | 5.1    |
| 38-16   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 25.81  | 5.06  | 4.21      | 1.47   |
| 38-17   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 9.48   | 8.4   | 0.94      | 0.28   |
| 38-18   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 15.09  | 4.94  | 2         | 0.56   |
| 38-19   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 104.96 | 24.43 | 4.76      | 36.85  |
| 38-20   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 54.97  | 2.49  | 2.38      | 1.3    |
| 38-21   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 118.5  | 20.14 | 3.63      | 33.4   |
| 38-22   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 19.98  | 3.25  | 1.96      | 0.58   |
| 38-23   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 54.29  | 14.39 | 9.33      | 15.29  |
| 38-24   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 49.77  | 12.41 | 8.38      | 8.71   |
| 38-25   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 32.48  | 4.83  | 2.06      | 1.32   |
| 38-26   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 70.75  | 13.76 | 7.71      | 14.08  |
| 38-27   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 21.19  | 3.06  | 2.95      | 1.03   |
| 38-28   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 58.42  | 13.71 | 8.61      | 11.71  |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 33-87   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-88   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-89   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-90   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 33-91   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-01   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-02   | Lake Koshkonong | Unknown                |             |
| 38-03   | Lake Koshkonong | Projectile Point       | I-A2        |
| 38-04   | Lake Koshkonong | Unknown                |             |
| 38-05   | Lake Koshkonong | Perforator             | IV-B        |
| 38-06   | Lake Koshkonong | Unknown                |             |
| 38-07   | Lake Koshkonong | Unknown                |             |
| 38-08   | Lake Koshkonong | Perforator             | IV          |
| 38-09   | Lake Koshkonong | Preform                |             |
| 38-10   | Lake Koshkonong | Preform                |             |
| 38-11   | Lake Koshkonong | Unknown                |             |
| 38-12   | Lake Koshkonong | Unknown                |             |
| 38-13   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-14   | Lake Koshkonong | Unknown                |             |
| 38-15   | Lake Koshkonong | Perforator             | IV          |
| 38-16   | Lake Koshkonong | Perforator             | IV          |
| 38-17   | Lake Koshkonong | Unknown                |             |
| 38-18   | Lake Koshkonong | Unknown                |             |
| 38-19   | Lake Koshkonong | Projectile Point       | I-A1        |
| 38-20   | Lake Koshkonong | Perforator             | IV          |
| 38-21   | Lake Koshkonong | Projectile Point       | I-A1        |
| 38-22   | Lake Koshkonong | Perforator             | IV          |
| 38-23   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-24   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-25   | Lake Koshkonong | Unknown                |             |
| 38-26   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-27   | Lake Koshkonong | Perforator             | IV          |
| 38-28   | Lake Koshkonong | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience     | Comments   |
|---------|-----------------|--|
| 33-87   | Lake Koshkonong | Base is round  |
| 33-88   | Lake Koshkonong | base is flat   |
| 33-89   | Lake Koshkonong | base is flat   |
| 33-90   | Lake Koshkonong | base is flat   |
| 33-91   | Lake Koshkonong | Base is pointed toward Prox.   |
| 38-01   | Lake Koshkonong | smashed flat   |
| 38-02   | Lake Koshkonong | Recycled conical point maybe   |
| 38-03   | Lake Koshkonong | Edges are heavily eroded and rounded over  |
| 38-04   | Lake Koshkonong | small partial piece of manufacturing debris  |
| 38-05   | Lake Koshkonong | short, thick punch   |
| 38-06   | Lake Koshkonong | kind of like a conical point, but seems to be a very expedient build                             |
| 38-07   | Lake Koshkonong | either a small rolled conical or a thick punch with rolled sheet construction                    |
| 38-08   | Lake Koshkonong | Medial portion of a perforator   |
| 38-09   | Lake Koshkonong | probable early manufacturing stage   |
| 38-10   | Lake Koshkonong | probable early manufacturing stage   |
| 38-11   | Lake Koshkonong | probable early manufacturing stage   |
| 38-12   | Lake Koshkonong | Expedient knife/wedge  |
| 38-13   | Lake Koshkonong | No base  |
| 38-14   | Lake Koshkonong | probable early manufacturing stage   |
| 38-15   | Lake Koshkonong |  |
| 38-16   | Lake Koshkonong |  |
| 38-17   | Lake Koshkonong | probable early manufacturing stage   |
| 38-18   | Lake Koshkonong | probable early manufacturing stage   |
| 38-19   | Lake Koshkonong | Nice Medial ridge on the dorsal surface  |
| 38-20   | Lake Koshkonong | S shaped recurve at one end - looks designed rather than use damage                              |
| 38-21   | Lake Koshkonong | Base is pointed toward Prox.   |
| 38-22   | Lake Koshkonong | broken off distal end of an awl  |
| 38-23   | Lake Koshkonong | Mostly socket with short pointed tip on distal end   |
| 38-24   | Lake Koshkonong | Not sure about the authenticity of this one...   |
| 38-25   | Lake Koshkonong | probable early manufacturing stage   |
| 38-26   | Lake Koshkonong | These conicals in case 38 have a different, longer socket to bit ratio than the case 33 conicals |
| 38-27   | Lake Koshkonong | probable early manufacturing stage   |
| 38-28   | Lake Koshkonong | Base is pointed toward Prox.   |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| 33-87   | Lake Koshkonong |  |  |  |  |  |
| 33-88   | Lake Koshkonong |  |  |  |  |  |
| 33-89   | Lake Koshkonong |  |  |  |  |  |
| 33-90   | Lake Koshkonong |  |  |  |  |  |
| 33-91   | Lake Koshkonong |  |  |  |  |  |
| 38-01   | Lake Koshkonong |  |  |  |  |  |
| 38-02   | Lake Koshkonong |  |  |  |  |  |
| 38-03   | Lake Koshkonong |  |  |  |  |  |
| 38-04   | Lake Koshkonong |  |  |  |  |  |
| 38-05   | Lake Koshkonong |  |  |  |  |  |
| 38-06   | Lake Koshkonong |  |  |  |  |  |
| 38-07   | Lake Koshkonong |  |  |  |  |  |
| 38-08   | Lake Koshkonong |  |  |  |  |  |
| 38-09   | Lake Koshkonong |  |  |  |  |  |
| 38-10   | Lake Koshkonong |  |  |  |  |  |
| 38-11   | Lake Koshkonong |  |  |  |  |  |
| 38-12   | Lake Koshkonong |  |  |  |  |  |
| 38-13   | Lake Koshkonong |  |  |  |  |  |
| 38-14   | Lake Koshkonong |  |  |  |  |  |
| 38-15   | Lake Koshkonong |  |  |  |  |  |
| 38-16   | Lake Koshkonong |  |  |  |  |  |
| 38-17   | Lake Koshkonong |  |  |  |  |  |
| 38-18   | Lake Koshkonong |  |  |  |  |  |
| 38-19   | Lake Koshkonong |  |  |  |  |  |
| 38-20   | Lake Koshkonong |  |  |  |  |  |
| 38-21   | Lake Koshkonong |  |  |  |  |  |
| 38-22   | Lake Koshkonong |  |  |  |  |  |
| 38-23   | Lake Koshkonong |  |  |  |  |  |
| 38-24   | Lake Koshkonong |  |  |  |  |  |
| 38-25   | Lake Koshkonong |  |  |  |  |  |
| 38-26   | Lake Koshkonong |  |  |  |  |  |
| 38-27   | Lake Koshkonong | lacking corrosiion, maybe cleaned?             |  |  |  |  |
| 38-28   | Lake Koshkonong | socket to bit ratio is closer to case 33 style |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness  | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph    | FE X-sect     |
|---------|-----------------|-------------|---------------|---------------------|----------------------|---------------|---------------|---------------|
| 38-29   | Lake Koshkonong | Heavy       | Partial       | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Irregular     |
| 38-30   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Square        |
| 38-31   | Lake Koshkonong | Very Heavy  | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Indeterminate |
| 38-32   | Lake Koshkonong | Very Heavy  | Whole         | All                 | Pointed              | Asymmetrical  | Pointed       | Rectangular   |
| 38-33   | Lake Koshkonong | Very Heavy  | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-34   | Lake Koshkonong | Medium      | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-35   | Lake Koshkonong | Very Heavy  | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 38-36   | Lake Koshkonong | Heavy       | Whole         | All                 | Bladed               | Symmetrical   | Flat          | Rectangular   |
| 38-37   | Lake Koshkonong | Heavy       | Partial       | Distal and Medial   | Bladed               | Asymmetrical  | Pointed       | Wedge         |
| 38-38   | Lake Koshkonong | Medium      | Partial       | Indeterminate       | Manufacturing Debris | Indeterminate | Indeterminate | Indeterminate |
| 38-40   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Round         |
| 38-41   | Lake Koshkonong | Heavy       | Partial       | Indeterminate       | Manufacturing Debris | Asymmetrical  | Indeterminate | Indeterminate |
| 38-43   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Asymmetrical  | Pointed       | Round         |
| 38-44   | Lake Koshkonong | Very Heavy  | Partial       | Medial              | Pointed              | Indeterminate | Indeterminate | Indeterminate |
| 38-45   | Lake Koshkonong | Very Heavy  | Partial       | Medial              | Pointed              | Symmetrical   | Indeterminate | Rectangular   |
| 38-49   | Lake Koshkonong | Very Heavy  | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Indeterminate |
| 38-51   | Lake Koshkonong | Heavy       | Indeterminate | Indeterminate       | Bladed               | Asymmetrical  | Rounded       | Rectangular   |
| 38-52   | Lake Koshkonong | Heavy       | Whole         | All                 | Bladed               | Asymmetrical  | Rounded       | Wedge         |
| 38-55   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Square        |
| 41-1    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Asymmetrical  | Pointed       | Square        |
| 41-2    | Lake Koshkonong | Heavy       | Partial       | Distal and Medial   | Pointed              | Symmetrical   | Pointed       | Round         |
| 41-3    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-4    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Rounded       | Rectangular   |
| 41-5    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-6    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-7    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-8    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Asymmetrical  | Pointed       | Square        |
| 41-9    | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Round         |
| 41-10   | Lake Koshkonong | Heavy       | Partial       | Proximal and Medial | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-11   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |
| 41-12   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Square        |
| 41-13   | Lake Koshkonong | Heavy       | Partial       | Medial              | Pointed              | Symmetrical   | Indeterminate | Square        |
| 41-14   | Lake Koshkonong | Heavy       | Whole         | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular   |



| Cat Num | Provenience     | FE Shape           | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|--------------------|--------------|--------------|----------------|---------------|---------------|--------|-----------|
| 38-29   | Lake Koshkonong | Irregular          | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| 38-30   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| 38-31   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Indeterminate | Pointed       | 1      | 0         |
| 38-32   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Pointed       | 1      | 0         |
| 38-33   | Lake Koshkonong | Sub-Triangular     | N/A          | Present      | Socket         | Angular       | N/A           | 1      | 0         |
| 38-34   | Lake Koshkonong | Sub-Triangular     | N/A          | Present      | Socket         | Indeterminate | Rounded       | 1      | 0         |
| 38-35   | Lake Koshkonong | Sub-Triangular     | N/A          | Present      | Socket         | Angular       | N/A           | 1      | 0         |
| 38-36   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Pointed       | 2      | 0         |
| 38-37   | Lake Koshkonong | Semi-Circular      | N/A          | Absent       | Tang           | Rectangular   | N/A           | 1      | 1         |
| 38-38   | Lake Koshkonong | Irregular          | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| 38-40   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round         | Rounded       | 1      | 0         |
| 38-41   | Lake Koshkonong | Irregular          | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| 38-43   | Lake Koshkonong | Rod                | N/A          | Present      | Hook           | Round         | Rounded       | 1      | 0         |
| 38-44   | Lake Koshkonong | Rod                | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| 38-45   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | N/A           | 0      | 0         |
| 38-49   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Indeterminate | Pointed       | 1      | 0         |
| 38-51   | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Irregular      | Round         | Flat          | 1      | 1         |
| 38-52   | Lake Koshkonong | Semi-Circular      | N/A          | Present      | Tang           | Rectangular   | Rounded       | 1      | 1         |
| 38-55   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Pointed       | 1      | 0         |
| 41-1    | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Pointed       | 1 or 2 | 0         |
| 41-2    | Lake Koshkonong | Rod                | N/A          | Present      | Loop           | Irregular     | N/A           | 1      | 0         |
| 41-3    | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Sub-Triangular | Rectangular   | Pointed       | 1 or 2 | 0         |
| 41-4    | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-5    | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-6    | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-7    | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-8    | Lake Koshkonong | Arched Curvate Rod | < 90         | Absent       | Rod            | Square        | Pointed       | 1 or 2 | 0         |
| 41-9    | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round         | Pointed       | 1 or 2 | 0         |
| 41-10   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-11   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| 41-12   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| 41-13   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square        | Indeterminate | 1 or 2 | 0         |
| 41-14   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular   | Pointed       | 1 or 2 | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 38-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-30   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 38-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 38-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 38-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-36   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | Bend     | None     |
| 38-37   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 38-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-43   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 38-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-51   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 38-52   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 38-55   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | None     |
| 41-1    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Cut      |
| 41-2    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Smashed  | None     |
| 41-3    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Twisted  | None     |
| 41-4    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| 41-5    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | Bend     | None     |
| 41-6    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| 41-7    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 41-8    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-9    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | Bend      | Bend     | None     |
| 41-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | Bend      | Bend     | None     |
| 41-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | Crimped  | None     |

| Cat Num | Provenience     | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|------------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 38-29   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 21.22  | 4.48  | 1.47      | 0.43   |
| 38-30   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 187    | 7.83  | 5.99      | 42.85  |
| 38-31   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 166    | 7.3   | 5.8       | 52.95  |
| 38-32   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 54.39  | 4.76  | 4.08      | 3.05   |
| 38-33   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 89.93  | 12.3  | 10.58     | 17.92  |
| 38-34   | Lake Koshkonong | None       | 1         | Yes        | Present | Reshaped    | 49.19  | 6.47  | 3.07      | 2.05   |
| 38-35   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 78.4   | 11.88 | 9.36      | 16.84  |
| 38-36   | Lake Koshkonong | Flattened  | 2         | Yes        | Absent  | N/A         | 74.57  | 3.68  | 3.05      | 3.54   |
| 38-37   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 35.58  | 7.73  | 3.13      | 2.68   |
| 38-38   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 25.56  | 7.12  | 1.76      | 1.61   |
| 38-40   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 51.42  | 4.46  | 3.5       | 3.18   |
| 38-41   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 59.74  | 7.57  | 6.39      | 7.28   |
| 38-43   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 70.93  | 3.87  | 3.87      |        |
| 38-44   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 66.43  | 4.38  | 4.14      | 3.93   |
| 38-45   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 113.37 | 4.78  | 3.86      | 7.74   |
| 38-49   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 95.63  | 3.86  | 2.95      | 4.75   |
| 38-51   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 41.35  | 19.52 | 6.25      | 15.78  |
| 38-52   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 60.02  | 12.77 | 4.06      | 6.41   |
| 38-55   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A         | 65.82  | 3.28  | 3.26      | 3.02   |
| 41-1    | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A         | 51.37  | 5.04  | 5.06      | 4.72   |
| 41-2    | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 73.91  | 4.43  | 5.03      | 7.33   |
| 41-3    | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 59.19  | 5.76  | 2.71      | 3.03   |
| 41-4    | Lake Koshkonong | Mushroomed | 2         | Yes        | Absent  | N/A         | 47.46  | 5.8   | 4.17      | 4.93   |
| 41-5    | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A         | 50.82  | 5.66  | 3.32      | 3.92   |
| 41-6    | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 48.04  | 7.38  | 4.21      | 5.25   |
| 41-7    | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 51.23  | 5.49  | 3.81      | 4.58   |
| 41-8    | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 74.68  | 5     | 4.78      | 4.41   |
| 41-9    | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A         | 65.89  | 3.16  | 3.07      | 2.16   |
| 41-10   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 56.97  | 5.41  | 3.15      | 2.98   |
| 41-11   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A         | 56.75  | 3.5   | 2.24      | 1.74   |
| 41-12   | Lake Koshkonong | None       | 3         | Yes        | Absent  | N/A         | 74.15  | 3.04  | 2.39      | 2.4    |
| 41-13   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A         | 73.77  | 3.56  | 2.95      | 2.53   |
| 41-14   | Lake Koshkonong | Split      | 3         | Yes        | Absent  | N/A         | 57.31  | 4.99  | 3.19      | 4.11   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 38-29   | Lake Koshkonong | Unknown                |             |
| 38-30   | Lake Koshkonong | Perforator             | IV          |
| 38-31   | Lake Koshkonong | Perforator             | IV          |
| 38-32   | Lake Koshkonong | Perforator             | IV          |
| 38-33   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-34   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-35   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| 38-36   | Lake Koshkonong | Chisel                 | IV          |
| 38-37   | Lake Koshkonong | Knife                  | II-A2       |
| 38-38   | Lake Koshkonong | Fragment               |             |
| 38-40   | Lake Koshkonong | Perforator             | IV          |
| 38-41   | Lake Koshkonong | Fragment               |             |
| 38-43   | Lake Koshkonong | Perforator             | IV          |
| 38-44   | Lake Koshkonong | Perforator             | IV          |
| 38-45   | Lake Koshkonong | Perforator             | IV          |
| 38-49   | Lake Koshkonong | Perforator             | IV          |
| 38-51   | Lake Koshkonong | Unknown                |             |
| 38-52   | Lake Koshkonong | Knife                  | II-A2       |
| 38-55   | Lake Koshkonong | Perforator             | IV          |
| 41-1    | Lake Koshkonong | Perforator             | IV          |
| 41-2    | Lake Koshkonong | Perforator             | IV-D        |
| 41-3    | Lake Koshkonong | Perforator             | IV-A        |
| 41-4    | Lake Koshkonong | Perforator             | IV          |
| 41-5    | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-6    | Lake Koshkonong | Perforator             | IV-A        |
| 41-7    | Lake Koshkonong | Perforator             | IV-A        |
| 41-8    | Lake Koshkonong | Perforator             | IV-A        |
| 41-9    | Lake Koshkonong | Perforator             | IV-A        |
| 41-10   | Lake Koshkonong | Perforator             | IV-A        |
| 41-11   | Lake Koshkonong | Perforator             | IV-A        |
| 41-12   | Lake Koshkonong | Perforator             | IV-A        |
| 41-13   | Lake Koshkonong | Perforator             | IV-A        |
| 41-14   | Lake Koshkonong | Perforator             | IV-A        |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| 38-29   | Lake Koshkonong | probable early manufacturing stage  |
| 38-30   | Lake Koshkonong |   |
| 38-31   | Lake Koshkonong |   |
| 38-32   | Lake Koshkonong |   |
| 38-33   | Lake Koshkonong | base too corroded   |
| 38-34   | Lake Koshkonong | strangely light corrosion   |
| 38-35   | Lake Koshkonong | base too corroded   |
| 38-36   | Lake Koshkonong | Flat chisel end on one end, pointed end on the other, possible 2 ended tool                           |
| 38-37   | Lake Koshkonong |   |
| 38-38   | Lake Koshkonong | probable early manufacturing stage  |
| 38-40   | Lake Koshkonong |   |
| 38-41   | Lake Koshkonong | probable early manufacturing stage  |
| 38-43   | Lake Koshkonong |   |
| 38-44   | Lake Koshkonong | VERY Heavy corrosion  |
| 38-45   | Lake Koshkonong |   |
| 38-49   | Lake Koshkonong |   |
| 38-51   | Lake Koshkonong | Expedient chisel  |
| 38-52   | Lake Koshkonong |   |
| 38-55   | Lake Koshkonong |   |
| 41-1    | Lake Koshkonong | Interestingly bent in the middle with an intentional but in the bend, seemingly to ease the pressure. |
| 41-2    | Lake Koshkonong | probably a broken needle missing the very proximal end  |
| 41-3    | Lake Koshkonong |   |
| 41-4    | Lake Koshkonong |   |
| 41-5    | Lake Koshkonong |   |
| 41-6    | Lake Koshkonong |   |
| 41-7    | Lake Koshkonong |   |
| 41-8    | Lake Koshkonong |   |
| 41-9    | Lake Koshkonong |   |
| 41-10   | Lake Koshkonong |   |
| 41-11   | Lake Koshkonong |   |
| 41-12   | Lake Koshkonong |   |
| 41-13   | Lake Koshkonong |   |
| 41-14   | Lake Koshkonong | Welding split   |

| Cat Num | Provenience     |                     |  |  |  |
|---------|-----------------|---------------------|--|--|--|
| 38-29   | Lake Koshkonong |                     |  |  |  |
| 38-30   | Lake Koshkonong |                     |  |  |  |
| 38-31   | Lake Koshkonong |                     |  |  |  |
| 38-32   | Lake Koshkonong |                     |  |  |  |
| 38-33   | Lake Koshkonong |                     |  |  |  |
| 38-34   | Lake Koshkonong |                     |  |  |  |
| 38-35   | Lake Koshkonong |                     |  |  |  |
| 38-36   | Lake Koshkonong |                     |  |  |  |
| 38-37   | Lake Koshkonong |                     |  |  |  |
| 38-38   | Lake Koshkonong |                     |  |  |  |
| 38-40   | Lake Koshkonong |                     |  |  |  |
| 38-41   | Lake Koshkonong |                     |  |  |  |
| 38-43   | Lake Koshkonong |                     |  |  |  |
| 38-44   | Lake Koshkonong |                     |  |  |  |
| 38-45   | Lake Koshkonong |                     |  |  |  |
| 38-49   | Lake Koshkonong |                     |  |  |  |
| 38-51   | Lake Koshkonong | Dorsal Medial ridge |  |  |  |
| 38-52   | Lake Koshkonong |                     |  |  |  |
| 38-55   | Lake Koshkonong |                     |  |  |  |
| 41-1    | Lake Koshkonong |                     |  |  |  |
| 41-2    | Lake Koshkonong |                     |  |  |  |
| 41-3    | Lake Koshkonong |                     |  |  |  |
| 41-4    | Lake Koshkonong |                     |  |  |  |
| 41-5    | Lake Koshkonong |                     |  |  |  |
| 41-6    | Lake Koshkonong |                     |  |  |  |
| 41-7    | Lake Koshkonong |                     |  |  |  |
| 41-8    | Lake Koshkonong |                     |  |  |  |
| 41-9    | Lake Koshkonong |                     |  |  |  |
| 41-10   | Lake Koshkonong |                     |  |  |  |
| 41-11   | Lake Koshkonong |                     |  |  |  |
| 41-12   | Lake Koshkonong |                     |  |  |  |
| 41-13   | Lake Koshkonong |                     |  |  |  |
| 41-14   | Lake Koshkonong | welded              |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|---------------|-------------|
| 41-15   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-16   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Rounded       | Square      |
| 41-17   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-18   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-19   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-20   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-22   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-23   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-24   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-25   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-26   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Rounded       | Round       |
| 41-27   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-28   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-29   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded       | Square      |
| 41-30   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-31   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-32   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-33   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-34   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Round       |
| 41-35   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-36   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-37   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Indeterminate | Round       |
| 41-38   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-39   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Square      |
| 41-40   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-41   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Indeterminate | Square      |
| 41-42   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-43   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Rounded       | Square      |
| 41-44   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-45   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-46   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-47   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-48   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded       | Square      |

| Cat Num | Provenience     | FE Shape           | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|--------------------|--------------|--------------|----------------|-------------|---------------|--------|-----------|
| 41-15   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Rounded       | 1      | 0         |
| 41-16   | Lake Koshkonong | Rod                | N/A          | Present      | Hook           | Round       | Pointed       | 1      | 1         |
| 41-17   | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded       | 1 or 2 | 0         |
| 41-18   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Indeterminate | 1      | 0         |
| 41-19   | Lake Koshkonong | Sub-Triangular     | N/A          | N/A          | N/A            | N/A         | N/A           | 1      | 0         |
| 41-20   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-22   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Pointed       | 1 or 2 | 0         |
| 41-23   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular | Rounded       | 1      | 0         |
| 41-24   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Pointed       | 1 or 2 | 0         |
| 41-25   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular | Pointed       | 1 or 2 | 0         |
| 41-26   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Pointed       | 1 or 2 | 1         |
| 41-27   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-28   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Pointed       | 1 or 2 | 0         |
| 41-29   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1 or 2 | 0         |
| 41-30   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-31   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Rounded       | 1 or 2 | 0         |
| 41-32   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-33   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-34   | Lake Koshkonong | Curvate Rod        | < 90         | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-35   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Indented      | 1      | 0         |
| 41-36   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-37   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Pointed       | 1 or 2 | 0         |
| 41-38   | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Sub-Triangular | Square      | Rounded       | 1      | 0         |
| 41-39   | Lake Koshkonong | Arched Curvate Rod | < 90         | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-40   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Pointed       | 1 or 2 | 0         |
| 41-41   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-42   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular | Rounded       | 1      | 0         |
| 41-43   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Pointed       | 1 or 2 | 1         |
| 41-44   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1      | 0         |
| 41-45   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Round       | Pointed       | 1 or 2 | 0         |
| 41-46   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Rectangular | Pointed       | 1 or 2 | 0         |
| 41-47   | Lake Koshkonong | Sub-Triangular     | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed       | 1 or 2 | 0         |
| 41-48   | Lake Koshkonong | Rod                | N/A          | Absent       | Rod            | Square      | Rounded       | 1 or 2 | 0         |



| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 41-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | Split     | None     | None     |
| 41-16   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | Notched   | Worn      | None     | None     |
| 41-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 41-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 41-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Bend     |
| 41-24   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| 41-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Bend     |
| 41-26   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| 41-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-30   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| 41-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| 41-36   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Split    | None     |
| 41-37   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-39   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | None     | None     |
| 41-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | Split    | Split    |
| 41-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-42   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| 41-43   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-46   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 41-47   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-48   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |

| Cat Num | Provenience     | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 41-15   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 66.64  | 6.73  | 5.59      | 9.57   |
| 41-16   | Lake Koshkonong | None       | 2         | Yes        | Present | Resharpener  | 68.26  | 6.39  | 6.26      | 12.45  |
| 41-17   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 50.68  | 7.15  | 3.92      | 5.35   |
| 41-18   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 58.8   | 5.18  | 5.05      | 4.36   |
| 41-19   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 31.29  | 5.43  | 2.77      | 1.34   |
| 41-20   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 61.9   | 4.99  | 4.25      | 5.35   |
| 41-22   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 75.09  | 2.73  | 2.74      | 2.04   |
| 41-23   | Lake Koshkonong | None       | 2         | Yes        | Present | Restraighten | 78.14  | 3.24  | 1.99      | 2.15   |
| 41-24   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 60.05  | 3.34  | 3.3       | 3.29   |
| 41-25   | Lake Koshkonong | None       | 2         | Yes        | Present | Restraighten | 53.61  | 2.99  | 1.86      | 1.21   |
| 41-26   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 39.85  | 4.16  | 4.05      | 3.14   |
| 41-27   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 50.03  | 5.7   | 4.81      | 6.77   |
| 41-28   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 54.44  | 4.63  | 4.19      | 4.29   |
| 41-29   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 44.04  | 4.53  | 4.31      | 4.07   |
| 41-30   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 52.01  | 5.2   | 4.48      | 4.27   |
| 41-31   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 60.54  | 5.45  | 5.35      | 7.72   |
| 41-32   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 63.28  | 5.76  | 5.51      | 9.48   |
| 41-33   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 65.13  | 5.05  | 5.63      | 8.1    |
| 41-34   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 72.59  | 6.64  | 6.72      | 14.42  |
| 41-35   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 69.84  | 6.32  | 5.12      | 9.15   |
| 41-36   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 76.36  | 5.12  | 4.55      | 7.61   |
| 41-37   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 72.68  | 4.69  | 4.61      | 5.42   |
| 41-38   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 57.71  | 6.96  | 4.8       | 7.91   |
| 41-39   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 58.64  | 4.64  | 4.5       | 5.76   |
| 41-40   | Lake Koshkonong | None       | 3         | Yes        | Absent  | N/A          | 68.25  | 5.26  | 4.77      | 7.04   |
| 41-41   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 62.31  | 6.42  | 5.29      | 5.73   |
| 41-42   | Lake Koshkonong | Mushroomed | 2         | Yes        | Absent  | N/A          | 43.98  | 7.63  | 5.9       | 6.45   |
| 41-43   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 67.57  | 5.01  | 3.5       | 4.17   |
| 41-44   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 66.87  | 4.69  | 3.15      | 4.94   |
| 41-45   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 64.96  | 5.16  | 4.21      | 5.07   |
| 41-46   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 73.91  | 7.82  | 3.89      | 5.52   |
| 41-47   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 70.13  | 5.29  | 2.17      | 2.88   |
| 41-48   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 39.57  | 3.79  | 3.42      | 2.5    |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 41-15   | Lake Koshkonong | Perforator             | IV-B        |
| 41-16   | Lake Koshkonong | Chisel                 |             |
| 41-17   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-18   | Lake Koshkonong | Perforator             | IV-A        |
| 41-19   | Lake Koshkonong | Perforator             | IV-A        |
| 41-20   | Lake Koshkonong | Perforator             | IV-A        |
| 41-22   | Lake Koshkonong | Perforator             | IV-A        |
| 41-23   | Lake Koshkonong | Perforator             | IV-A        |
| 41-24   | Lake Koshkonong | Perforator             | IV-A        |
| 41-25   | Lake Koshkonong | Perforator             | IV-A        |
| 41-26   | Lake Koshkonong | Chisel                 |             |
| 41-27   | Lake Koshkonong | Perforator             | IV-B        |
| 41-28   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-29   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-30   | Lake Koshkonong | Perforator             | IV-A        |
| 41-31   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-32   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-33   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-34   | Lake Koshkonong | Perforator             | IV-A        |
| 41-35   | Lake Koshkonong | Perforator             | IV-A        |
| 41-36   | Lake Koshkonong | Perforator             | IV-A        |
| 41-37   | Lake Koshkonong | Perforator             | IV-A        |
| 41-38   | Lake Koshkonong | Perforator             | IV-A        |
| 41-39   | Lake Koshkonong | Perforator             | IV-A        |
| 41-40   | Lake Koshkonong | Perforator             | IV-A        |
| 41-41   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-42   | Lake Koshkonong | Perforator             | IV-B        |
| 41-43   | Lake Koshkonong | Chisel                 |             |
| 41-44   | Lake Koshkonong | Perforator             | IV-A        |
| 41-45   | Lake Koshkonong | Perforator             | IV-A        |
| 41-46   | Lake Koshkonong | Perforator             | IV-A        |
| 41-47   | Lake Koshkonong | Perforator             | IV-A        |
| 41-48   | Lake Koshkonong | Perforator             | IV-B        |

| Cat Num | Provenience     | Comments   |
|---------|-----------------|--|
| 41-15   | Lake Koshkonong | Welding split  |
| 41-16   | Lake Koshkonong |  |
| 41-17   | Lake Koshkonong | Welding split  |
| 41-18   | Lake Koshkonong |  |
| 41-19   | Lake Koshkonong | Welding split  |
| 41-20   | Lake Koshkonong |  |
| 41-22   | Lake Koshkonong |  |
| 41-23   | Lake Koshkonong |  |
| 41-24   | Lake Koshkonong |  |
| 41-25   | Lake Koshkonong |  |
| 41-26   | Lake Koshkonong |  |
| 41-27   | Lake Koshkonong | Welding split  |
| 41-28   | Lake Koshkonong |  |
| 41-29   | Lake Koshkonong |  |
| 41-30   | Lake Koshkonong | Welding split  |
| 41-31   | Lake Koshkonong |  |
| 41-32   | Lake Koshkonong | some evidence of fold over with edges being pounded to middle then ground down |
| 41-33   | Lake Koshkonong | some evidence of fold over with edges being pounded to middle then ground down |
| 41-34   | Lake Koshkonong | Welding split  |
| 41-35   | Lake Koshkonong | Welding split  |
| 41-36   | Lake Koshkonong | Welding split  |
| 41-37   | Lake Koshkonong |  |
| 41-38   | Lake Koshkonong |  |
| 41-39   | Lake Koshkonong |  |
| 41-40   | Lake Koshkonong | Welding split  |
| 41-41   | Lake Koshkonong |  |
| 41-42   | Lake Koshkonong |  |
| 41-43   | Lake Koshkonong |  |
| 41-44   | Lake Koshkonong |  |
| 41-45   | Lake Koshkonong |  |
| 41-46   | Lake Koshkonong |  |
| 41-47   | Lake Koshkonong |  |
| 41-48   | Lake Koshkonong |  |

| Cat Num | Provenience     |             |  |  |  |
|---------|-----------------|-------------|--|--|--|
| 41-15   | Lake Koshkonong | welded      |  |  |  |
| 41-16   | Lake Koshkonong |             |  |  |  |
| 41-17   | Lake Koshkonong | welded      |  |  |  |
| 41-18   | Lake Koshkonong |             |  |  |  |
| 41-19   | Lake Koshkonong |             |  |  |  |
| 41-20   | Lake Koshkonong |             |  |  |  |
| 41-22   | Lake Koshkonong |             |  |  |  |
| 41-23   | Lake Koshkonong |             |  |  |  |
| 41-24   | Lake Koshkonong |             |  |  |  |
| 41-25   | Lake Koshkonong |             |  |  |  |
| 41-26   | Lake Koshkonong |             |  |  |  |
| 41-27   | Lake Koshkonong |             |  |  |  |
| 41-28   | Lake Koshkonong |             |  |  |  |
| 41-29   | Lake Koshkonong |             |  |  |  |
| 41-30   | Lake Koshkonong |             |  |  |  |
| 41-31   | Lake Koshkonong |             |  |  |  |
| 41-32   | Lake Koshkonong |             |  |  |  |
| 41-33   | Lake Koshkonong |             |  |  |  |
| 41-34   | Lake Koshkonong |             |  |  |  |
| 41-35   | Lake Koshkonong |             |  |  |  |
| 41-36   | Lake Koshkonong |             |  |  |  |
| 41-37   | Lake Koshkonong |             |  |  |  |
| 41-38   | Lake Koshkonong |             |  |  |  |
| 41-39   | Lake Koshkonong |             |  |  |  |
| 41-40   | Lake Koshkonong |             |  |  |  |
| 41-41   | Lake Koshkonong |             |  |  |  |
| 41-42   | Lake Koshkonong |             |  |  |  |
| 41-43   | Lake Koshkonong |             |  |  |  |
| 41-44   | Lake Koshkonong |             |  |  |  |
| 41-45   | Lake Koshkonong |             |  |  |  |
| 41-46   | Lake Koshkonong | missing pic |  |  |  |
| 41-47   | Lake Koshkonong |             |  |  |  |
| 41-48   | Lake Koshkonong |             |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|---------------|-------------|
| 41-49   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-50   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-51   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | Indeterminate | Square      |
| 41-52   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded       | Rectangular |
| 41-53   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-54   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-55   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-56   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-57   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-58   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-59   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-60   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-61   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Square      |
| 41-62   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-63   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| 41-64   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-65   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-66   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| 41-67   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed       | Rectangular |
| 41-68   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Rectangular |
| U3-01   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Round       |
| U3-02   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-03   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| U3-04   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-05   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U3-06   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-07   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-08   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-09   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-10   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| U3-11   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Round       |
| U3-12   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Rounded       | Round       |
| U3-13   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 41-49   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 41-50   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 41-51   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 41-52   | Lake Koshkonong | Rectangular    | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1 or 2 | 0         |
| 41-53   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 41-54   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 41-55   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 41-56   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| 41-57   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 41-58   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 41-59   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 41-60   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 41-61   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 41-62   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 41-63   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 41-64   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1      | 0         |
| 41-65   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| 41-66   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 41-67   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | N/A        | 1      | 0         |
| 41-68   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| U3-01   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-02   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-03   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-04   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Indented   | 1      | 0         |
| U3-05   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-06   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-07   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-08   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-09   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-10   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-11   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-12   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-13   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Indented   | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 41-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-50   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-51   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 41-52   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-53   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Split    | Bend     |
| 41-55   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-56   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-57   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Twisted   | None      | None     | None     |
| 41-58   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-59   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | Split     | None     | None     |
| 41-60   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 41-61   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-62   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-63   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 41-64   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 41-65   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Twisted  | None     |
| 41-66   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| 41-67   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 41-68   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | Cut      |
| U3-01   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-02   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-03   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-04   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-05   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-06   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | Bend      | None     | None     |
| U3-07   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-08   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U3-09   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| U3-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | Bend     |
| U3-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |



| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 41-49   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 58.15  | 3.72  | 3.76      | 4.22   |
| 41-50   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 60.12  | 6.09  | 2.39      | 3.4    |
| 41-51   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 54.27  | 4.34  | 4         | 3.29   |
| 41-52   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 45.03  | 6.78  | 2.64      | 3.28   |
| 41-53   | Lake Koshkonong | None      | 0         | No         | Present | Resharpened | 44.95  | 4.53  | 4.37      | 3.49   |
| 41-54   | Lake Koshkonong | None      | 3         | Yes        | Absent  | N/A         | 80.83  | 5.14  | 4.69      | 8.02   |
| 41-55   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 94.13  | 6.43  | 5.99      | 11.2   |
| 41-56   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 63.89  | 6.32  | 2.84      | 3.48   |
| 41-57   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 37.44  | 5.93  | 3.11      | 2.57   |
| 41-58   | Lake Koshkonong | Lipped    | 1         | Yes        | Absent  | N/A         | 47.83  | 4.12  | 3.08      | 2.81   |
| 41-59   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A         | 58.63  | 4.32  | 4.47      | 4.25   |
| 41-60   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 54.25  | 4.38  | 4.22      | 4.33   |
| 41-61   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 52.63  | 4.12  | 3.21      | 3.13   |
| 41-62   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 45.93  | 5.51  | 4.98      | 4.92   |
| 41-63   | Lake Koshkonong | Split     | 1         | Yes        | Absent  | N/A         | 52.19  | 5.03  | 4.22      | 3.84   |
| 41-64   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 51.22  | 4.77  | 4.78      | 3.64   |
| 41-65   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 56.82  | 7.35  | 4.06      | 5.15   |
| 41-66   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 39.08  | 4.13  | 3.99      | 3.44   |
| 41-67   | Lake Koshkonong | Twisted   | 2         | Yes        | Absent  | N/A         | 38.18  | 6.43  | 3.98      | 3.38   |
| 41-68   | Lake Koshkonong | None      | 3         | Yes        | Absent  | N/A         | 58.71  | 3.89  | 5.01      | 4.4    |
| U3-01   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 62.13  | 4.81  | 4.76      | 6.07   |
| U3-02   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 68.46  | 7.66  | 7.16      | 14.04  |
| U3-03   | Lake Koshkonong | Lipped    | 1         | Yes        | Absent  | N/A         | 26.25  | 2.9   | 2.75      | 1.08   |
| U3-04   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 39.72  | 4.53  | 3.71      | 2.49   |
| U3-05   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 42.82  | 2.92  | 1.56      | 1.07   |
| U3-06   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 30.43  | 3.36  | 3.23      | 1.6    |
| U3-07   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 25.04  | 2.99  | 2.83      | 0.92   |
| U3-08   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 39.18  | 4.38  | 3.69      | 2.57   |
| U3-09   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 25.34  | 3.27  | 3.06      | 0.92   |
| U3-10   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 20.56  | 4.84  | 4.38      | 4.94   |
| U3-11   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 44.22  | 3.91  | 3.53      | 2.42   |
| U3-12   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A         | 45.85  | 3.58  | 3.16      | 2.84   |
| U3-13   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A         | 54.67  | 5.06  | 4.34      | 4.39   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| 41-49   | Lake Koshkonong | Perforator             | IV-A        |
| 41-50   | Lake Koshkonong | Perforator             | IV-A        |
| 41-51   | Lake Koshkonong | Perforator             | IV-A        |
| 41-52   | Lake Koshkonong | Perforator             | IV-A        |
| 41-53   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-54   | Lake Koshkonong | Perforator             | IV-A        |
| 41-55   | Lake Koshkonong | Perforator             | IV-A        |
| 41-56   | Lake Koshkonong | Perforator             | IV-A        |
| 41-57   | Lake Koshkonong | Perforator             | IV-A        |
| 41-58   | Lake Koshkonong | Perforator             | IV-A        |
| 41-59   | Lake Koshkonong | Perforator             | IV-A        |
| 41-60   | Lake Koshkonong | Perforator             | IV-A        |
| 41-61   | Lake Koshkonong | Perforator             | IV-A        |
| 41-62   | Lake Koshkonong | Perforator             | IV-A        |
| 41-63   | Lake Koshkonong | Perforator             | IV-B        |
| 41-64   | Lake Koshkonong | Perforator             | IV-A        |
| 41-65   | Lake Koshkonong | Perforator             | IV-A        |
| 41-66   | Lake Koshkonong | Perforator             | IV-A        |
| 41-67   | Lake Koshkonong | Perforator             | IV-A or B   |
| 41-68   | Lake Koshkonong | Perforator             | IV          |
| U3-01   | Lake Koshkonong | Perforator             | IV          |
| U3-02   | Lake Koshkonong | Perforator             | IV-A or B   |
| U3-03   | Lake Koshkonong | Perforator             | IV-A        |
| U3-04   | Lake Koshkonong | Perforator             | IV-A        |
| U3-05   | Lake Koshkonong | Perforator             | IV          |
| U3-06   | Lake Koshkonong | Perforator             | IV          |
| U3-07   | Lake Koshkonong | Perforator             | IV          |
| U3-08   | Lake Koshkonong | Perforator             | IV          |
| U3-09   | Lake Koshkonong | Perforator             | IV          |
| U3-10   | Lake Koshkonong | Perforator             | IV          |
| U3-11   | Lake Koshkonong | Perforator             | IV          |
| U3-12   | Lake Koshkonong | Perforator             | IV-B        |
| U3-13   | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments      |
|---------|-----------------|---------------|
| 41-49   | Lake Koshkonong |               |
| 41-50   | Lake Koshkonong |               |
| 41-51   | Lake Koshkonong |               |
| 41-52   | Lake Koshkonong |               |
| 41-53   | Lake Koshkonong |               |
| 41-54   | Lake Koshkonong | Welding split |
| 41-55   | Lake Koshkonong |               |
| 41-56   | Lake Koshkonong |               |
| 41-57   | Lake Koshkonong |               |
| 41-58   | Lake Koshkonong | Welding split |
| 41-59   | Lake Koshkonong | Welding split |
| 41-60   | Lake Koshkonong |               |
| 41-61   | Lake Koshkonong |               |
| 41-62   | Lake Koshkonong |               |
| 41-63   | Lake Koshkonong | Welding split |
| 41-64   | Lake Koshkonong |               |
| 41-65   | Lake Koshkonong |               |
| 41-66   | Lake Koshkonong |               |
| 41-67   | Lake Koshkonong |               |
| 41-68   | Lake Koshkonong |               |
| U3-01   | Lake Koshkonong |               |
| U3-02   | Lake Koshkonong |               |
| U3-03   | Lake Koshkonong |               |
| U3-04   | Lake Koshkonong |               |
| U3-05   | Lake Koshkonong |               |
| U3-06   | Lake Koshkonong |               |
| U3-07   | Lake Koshkonong |               |
| U3-08   | Lake Koshkonong |               |
| U3-09   | Lake Koshkonong |               |
| U3-10   | Lake Koshkonong |               |
| U3-11   | Lake Koshkonong |               |
| U3-12   | Lake Koshkonong |               |
| U3-13   | Lake Koshkonong |               |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| 41-49   | Lake Koshkonong |  |  |  |  |  |
| 41-50   | Lake Koshkonong |  |  |  |  |  |
| 41-51   | Lake Koshkonong |  |  |  |  |  |
| 41-52   | Lake Koshkonong |  |  |  |  |  |
| 41-53   | Lake Koshkonong |  |  |  |  |  |
| 41-54   | Lake Koshkonong |  |  |  |  |  |
| 41-55   | Lake Koshkonong |  |  |  |  |  |
| 41-56   | Lake Koshkonong |  |  |  |  |  |
| 41-57   | Lake Koshkonong |  |  |  |  |  |
| 41-58   | Lake Koshkonong |  |  |  |  |  |
| 41-59   | Lake Koshkonong |  |  |  |  |  |
| 41-60   | Lake Koshkonong |  |  |  |  |  |
| 41-61   | Lake Koshkonong |  |  |  |  |  |
| 41-62   | Lake Koshkonong |  |  |  |  |  |
| 41-63   | Lake Koshkonong |  |  |  |  |  |
| 41-64   | Lake Koshkonong |  |  |  |  |  |
| 41-65   | Lake Koshkonong |  |  |  |  |  |
| 41-66   | Lake Koshkonong |  |  |  |  |  |
| 41-67   | Lake Koshkonong |  |  |  |  |  |
| 41-68   | Lake Koshkonong |  |  |  |  |  |
| U3-01   | Lake Koshkonong |  |  |  |  |  |
| U3-02   | Lake Koshkonong |  |  |  |  |  |
| U3-03   | Lake Koshkonong |  |  |  |  |  |
| U3-04   | Lake Koshkonong |  |  |  |  |  |
| U3-05   | Lake Koshkonong |  |  |  |  |  |
| U3-06   | Lake Koshkonong |  |  |  |  |  |
| U3-07   | Lake Koshkonong |  |  |  |  |  |
| U3-08   | Lake Koshkonong |  |  |  |  |  |
| U3-09   | Lake Koshkonong |  |  |  |  |  |
| U3-10   | Lake Koshkonong |  |  |  |  |  |
| U3-11   | Lake Koshkonong |  |  |  |  |  |
| U3-12   | Lake Koshkonong |  |  |  |  |  |
| U3-13   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|-----------------|-----------------|--------------|------------|-------------|
| U3-14   | Lake Koshkonong | Medium      | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-15   | Lake Koshkonong | Medium      | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-16   | Lake Koshkonong | Medium      | Whole        | All             | Pointed         | Symmetrical  | Rounded    | Round       |
| U3-17   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-18   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-19   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-20   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-21   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-22   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-23   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Rounded    | Round       |
| U3-24   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-25   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-26   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-27   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-28   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-29   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-30   | Lake Koshkonong | Medium      | Whole        | All             | Bladed          | Symmetrical  | Rounded    | Square      |
| U3-31   | Lake Koshkonong | Medium      | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-32   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-33   | Lake Koshkonong | Medium      | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-34   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-35   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Asymmetrical | Pointed    | Square      |
| U3-37   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Asymmetrical | Rounded    | Rectangular |
| U3-38   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-39   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Rounded    | Square      |
| U3-40   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-41   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-42   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-43   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-44   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Rounded    | Square      |
| U3-45   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-46   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-47   | Lake Koshkonong | Heavy       | Whole        | All             | Pointed         | Symmetrical  | Pointed    | Square      |

| Cat Num | Provenience     | FE Shape    | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|-------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| U3-14   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-15   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-16   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-17   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-18   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-19   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-20   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-21   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-22   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-23   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1 or 2 | 0         |
| U3-24   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-25   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-26   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-27   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-28   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-29   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-30   | Lake Koshkonong | Flared Rod  | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 1         |
| U3-31   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-32   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-33   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-34   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-35   | Lake Koshkonong | Curvate Rod | < 90         | Absent       | Rod            | Square      | Pointed    | 1      | 0         |
| U3-37   | Lake Koshkonong | Curvate Rod | < 90         | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-38   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-39   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Indented   | 1      | 0         |
| U3-40   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-41   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-42   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-43   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-44   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-45   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-46   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-47   | Lake Koshkonong | Rod         | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U3-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | Bend      | Twisted  | None     |
| U3-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| U3-21   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Rounded   | None      | None     | Bend     |
| U3-24   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| U3-26   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-30   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | Worn      | Polished  | None     | None     |
| U3-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-37   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-39   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U3-42   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | Bend      | Bend     | None     |
| U3-43   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| U3-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| U3-46   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-47   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| U3-14   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 44.02  | 5.12  | 4.24      | 3.93   |
| U3-15   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 46.19  | 6.2   | 4.49      | 5.52   |
| U3-16   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 50.58  | 5.95  | 4.94      | 6.39   |
| U3-17   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 36.78  | 3.73  | 2.68      | 1.52   |
| U3-18   | Lake Koshkonong | Lipped     | 1         | Yes        | Absent  | N/A          | 30.76  | 4.44  | 4.27      | 1.66   |
| U3-19   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 33.9   | 3.26  | 2.78      | 1.42   |
| U3-20   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 31.55  | 4.37  | 3.17      | 2.08   |
| U3-21   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 41.75  | 4.36  | 4.09      | 3.72   |
| U3-22   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 53.72  | 4.76  | 2.75      | 3.13   |
| U3-23   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 45.7   | 4.51  | 3.41      | 2.99   |
| U3-24   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 39.05  | 4.37  | 2.23      | 1.63   |
| U3-25   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 73.23  | 6.62  | 6.42      | 15.42  |
| U3-26   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 62.61  | 3.45  | 3.07      | 3.29   |
| U3-27   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 53.44  | 4.99  | 4.77      | 4.84   |
| U3-28   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 62.53  | 4.51  | 3.34      | 3.74   |
| U3-29   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 47.14  | 4.32  | 3.97      | 3.79   |
| U3-30   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 66.7   | 4.63  | 4.13      | 7.25   |
| U3-31   | Lake Koshkonong | Lipped     | 1         | Yes        | Absent  | N/A          | 53.22  | 3.32  | 3.18      | 2.2    |
| U3-32   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 45.52  | 4.53  | 3.89      | 2.86   |
| U3-33   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 24.97  | 3.84  | 3.23      | 0.95   |
| U3-34   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 39.02  | 4.01  | 3.79      | 2.75   |
| U3-35   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 62.99  | 5.24  | 4.81      | 7.36   |
| U3-37   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 46.24  | 4.82  | 3.93      | 3.88   |
| U3-38   | Lake Koshkonong | None       | 0         | No         | Present | Restraighten | 23.84  | 2.69  | 2.01      | 0.56   |
| U3-39   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 53.71  | 4.38  | 3.96      | 4.47   |
| U3-40   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 47.98  | 4.38  | 3.61      | 3.71   |
| U3-41   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 45.98  | 4.94  | 3.59      | 4.48   |
| U3-42   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 56.77  | 5.98  | 5.11      | 6.29   |
| U3-43   | Lake Koshkonong | Split      | 2         | Yes        | Absent  | N/A          | 63.01  | 6.43  | 6.27      | 8.29   |
| U3-44   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 77.12  | 5.22  | 4.79      | 9.78   |
| U3-45   | Lake Koshkonong | Mushroomed | 3         | Yes        | Absent  | N/A          | 41.2   | 3.37  | 3.29      | 2.5    |
| U3-46   | Lake Koshkonong | Bend       | 2         | Yes        | Absent  | N/A          | 40     | 3.78  | 3.7       | 3.02   |
| U3-47   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 39.75  | 5.78  | 4.98      | 3.94   |



| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| U3-14   | Lake Koshkonong | Perforator             | IV          |
| U3-15   | Lake Koshkonong | Perforator             | IV          |
| U3-16   | Lake Koshkonong | Perforator             | IV          |
| U3-17   | Lake Koshkonong | Perforator             | IV          |
| U3-18   | Lake Koshkonong | Perforator             | IV          |
| U3-19   | Lake Koshkonong | Perforator             | IV          |
| U3-20   | Lake Koshkonong | Perforator             | IV          |
| U3-21   | Lake Koshkonong | Perforator             | IV          |
| U3-22   | Lake Koshkonong | Perforator             | IV          |
| U3-23   | Lake Koshkonong | Perforator             | IV          |
| U3-24   | Lake Koshkonong | Perforator             | IV          |
| U3-25   | Lake Koshkonong | Perforator             | IV          |
| U3-26   | Lake Koshkonong | Perforator             | IV          |
| U3-27   | Lake Koshkonong | Perforator             | IV          |
| U3-28   | Lake Koshkonong | Perforator             | IV          |
| U3-29   | Lake Koshkonong | Perforator             | IV          |
| U3-30   | Lake Koshkonong | Chisel                 | IV          |
| U3-31   | Lake Koshkonong | Perforator             | IV          |
| U3-32   | Lake Koshkonong | Perforator             | IV          |
| U3-33   | Lake Koshkonong | Perforator             | IV          |
| U3-34   | Lake Koshkonong | Perforator             | IV          |
| U3-35   | Lake Koshkonong | Perforator             | IV          |
| U3-37   | Lake Koshkonong | Perforator             | IV          |
| U3-38   | Lake Koshkonong | Perforator             | IV          |
| U3-39   | Lake Koshkonong | Perforator             | IV          |
| U3-40   | Lake Koshkonong | Perforator             | IV          |
| U3-41   | Lake Koshkonong | Perforator             | IV          |
| U3-42   | Lake Koshkonong | Perforator             | IV          |
| U3-43   | Lake Koshkonong | Perforator             | IV          |
| U3-44   | Lake Koshkonong | Perforator             | IV          |
| U3-45   | Lake Koshkonong | Perforator             | IV          |
| U3-46   | Lake Koshkonong | Perforator             | IV          |
| U3-47   | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments        |
|---------|-----------------|-----------------|
| U3-14   | Lake Koshkonong | Welding split   |
| U3-15   | Lake Koshkonong |                 |
| U3-16   | Lake Koshkonong |                 |
| U3-17   | Lake Koshkonong |                 |
| U3-18   | Lake Koshkonong |                 |
| U3-19   | Lake Koshkonong |                 |
| U3-20   | Lake Koshkonong | Medial "groove" |
| U3-21   | Lake Koshkonong |                 |
| U3-22   | Lake Koshkonong |                 |
| U3-23   | Lake Koshkonong |                 |
| U3-24   | Lake Koshkonong | Welding split   |
| U3-25   | Lake Koshkonong | Welding split   |
| U3-26   | Lake Koshkonong |                 |
| U3-27   | Lake Koshkonong |                 |
| U3-28   | Lake Koshkonong |                 |
| U3-29   | Lake Koshkonong |                 |
| U3-30   | Lake Koshkonong |                 |
| U3-31   | Lake Koshkonong |                 |
| U3-32   | Lake Koshkonong |                 |
| U3-33   | Lake Koshkonong |                 |
| U3-34   | Lake Koshkonong |                 |
| U3-35   | Lake Koshkonong |                 |
| U3-37   | Lake Koshkonong |                 |
| U3-38   | Lake Koshkonong |                 |
| U3-39   | Lake Koshkonong | Welding split   |
| U3-40   | Lake Koshkonong |                 |
| U3-41   | Lake Koshkonong |                 |
| U3-42   | Lake Koshkonong |                 |
| U3-43   | Lake Koshkonong | Welding split   |
| U3-44   | Lake Koshkonong |                 |
| U3-45   | Lake Koshkonong |                 |
| U3-46   | Lake Koshkonong |                 |
| U3-47   | Lake Koshkonong |                 |

| Cat Num | Provenience     |  |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|--|
| U3-14   | Lake Koshkonong |  |  |  |  |  |  |
| U3-15   | Lake Koshkonong |  |  |  |  |  |  |
| U3-16   | Lake Koshkonong |  |  |  |  |  |  |
| U3-17   | Lake Koshkonong |  |  |  |  |  |  |
| U3-18   | Lake Koshkonong |  |  |  |  |  |  |
| U3-19   | Lake Koshkonong |  |  |  |  |  |  |
| U3-20   | Lake Koshkonong |  |  |  |  |  |  |
| U3-21   | Lake Koshkonong |  |  |  |  |  |  |
| U3-22   | Lake Koshkonong |  |  |  |  |  |  |
| U3-23   | Lake Koshkonong |  |  |  |  |  |  |
| U3-24   | Lake Koshkonong |  |  |  |  |  |  |
| U3-25   | Lake Koshkonong |  |  |  |  |  |  |
| U3-26   | Lake Koshkonong |  |  |  |  |  |  |
| U3-27   | Lake Koshkonong |  |  |  |  |  |  |
| U3-28   | Lake Koshkonong |  |  |  |  |  |  |
| U3-29   | Lake Koshkonong |  |  |  |  |  |  |
| U3-30   | Lake Koshkonong |  |  |  |  |  |  |
| U3-31   | Lake Koshkonong |  |  |  |  |  |  |
| U3-32   | Lake Koshkonong |  |  |  |  |  |  |
| U3-33   | Lake Koshkonong |  |  |  |  |  |  |
| U3-34   | Lake Koshkonong |  |  |  |  |  |  |
| U3-35   | Lake Koshkonong |  |  |  |  |  |  |
| U3-37   | Lake Koshkonong |  |  |  |  |  |  |
| U3-38   | Lake Koshkonong |  |  |  |  |  |  |
| U3-39   | Lake Koshkonong |  |  |  |  |  |  |
| U3-40   | Lake Koshkonong |  |  |  |  |  |  |
| U3-41   | Lake Koshkonong |  |  |  |  |  |  |
| U3-42   | Lake Koshkonong |  |  |  |  |  |  |
| U3-43   | Lake Koshkonong |  |  |  |  |  |  |
| U3-44   | Lake Koshkonong |  |  |  |  |  |  |
| U3-45   | Lake Koshkonong |  |  |  |  |  |  |
| U3-46   | Lake Koshkonong |  |  |  |  |  |  |
| U3-47   | Lake Koshkonong |  |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present   | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|-------------------|-----------------|--------------|------------|-------------|
| U3-48   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Rounded    | Round       |
| U3-49   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-50   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-51   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-52   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-53   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-54   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-55   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-56   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-57   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-58   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-59   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-60   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-61   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-62   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-63   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Rounded    | Square      |
| U3-64   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-65   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-66   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-67   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-68   | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-69   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-70   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-71   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-72   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-73   | Lake Koshkonong | Heavy       | Partial      | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| U3-74   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-75   | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-76   | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Asymmetrical | Pointed    | Square      |
| U3-77   | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| U3-78   | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| U3-79   | Lake Koshkonong | Medium      | Partial      | Distal and Medial | Pointed         | Symmetrical  | Pointed    | Square      |
| U9-01   | Lake Koshkonong | Heavy       | Whole        | All               | Non-Utilitarian | Symmetrical  | Pointed    | N/A         |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| U3-48   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1 or 2 | 0         |
| U3-49   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-50   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-51   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-52   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-53   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-54   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-55   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-56   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-57   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-58   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-59   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-60   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-61   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-62   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-63   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1 or 2 | 0         |
| U3-64   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-65   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1 or 2 | 0         |
| U3-66   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| U3-67   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-68   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-69   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| U3-70   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| U3-71   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| U3-72   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-73   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round       | Rounded    | 1      | 0         |
| U3-74   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-75   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U3-76   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-77   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-78   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| U3-79   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| U9-01   | Lake Koshkonong | Lanceolate     | N/A          | Absent       | Rod            | Rectangular | Pointed    | 0      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U3-48   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U3-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-50   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-51   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-52   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U3-53   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-55   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-56   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-57   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-58   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | Flattened | None     | None     |
| U3-59   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-60   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-61   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-62   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-63   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | Crushed   | None     | None     |
| U3-64   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-65   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Flattened | None      | None     | None     |
| U3-66   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| U3-67   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-68   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-69   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U3-70   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U3-71   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-72   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U3-73   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-74   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | Bend      | Bend     | None     |
| U3-75   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| U3-76   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-77   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| U3-78   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U3-79   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Broken   | None     |
| U9-01   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | Striated  | Bend     | Striated |

| Cat Num | Provenience     | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| U3-48   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 36.53  | 4.97  | 4.5       | 3.19   |
| U3-49   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 24.77  | 3.7   | 3.05      | 1.2    |
| U3-50   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 40.39  | 4.77  | 3.15      | 2.57   |
| U3-51   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 37.4   | 4.7   | 3.86      | 2.75   |
| U3-52   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 43.81  | 5.15  | 2.72      | 3.15   |
| U3-53   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 75.2   | 5.2   | 4.82      | 10.1   |
| U3-54   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 55.39  | 5.73  | 4.79      | 6.59   |
| U3-55   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 71.37  | 3.83  | 3.76      | 5.43   |
| U3-56   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 42.99  | 3.83  | 3.28      | 2.72   |
| U3-57   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 47.69  | 5.14  | 3.84      | 3.98   |
| U3-58   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 36.67  | 4.6   | 3.45      | 2.58   |
| U3-59   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 49.71  | 5     | 3.43      | 3.83   |
| U3-60   | Lake Koshkonong | Split      | 1         | Yes        | Absent  | N/A          | 55.23  | 5.62  | 5.25      | 5.99   |
| U3-61   | Lake Koshkonong | Mushroomed | 2         | Yes        | Absent  | N/A          | 59.68  | 3.81  | 3.06      | 2.67   |
| U3-62   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 58.49  | 6.6   | 5.73      | 8.69   |
| U3-63   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 57.71  | 5.08  | 3.99      | 5.06   |
| U3-64   | Lake Koshkonong | Lipped     | 1         | Yes        | Absent  | N/A          | 37.93  | 3.66  | 3.06      | 1.79   |
| U3-65   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 27.82  | 3.44  | 2.84      | 1.11   |
| U3-66   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 37.77  | 5.08  | 4.59      | 3.86   |
| U3-67   | Lake Koshkonong | None       | 0         | No         | Present | Resharpened  | 22.52  | 2.81  | 2.24      | 0.7    |
| U3-68   | Lake Koshkonong | Flattened  | 2         | Yes        | Absent  | N/A          | 49.8   | 4.73  | 3.4       | 4.88   |
| U3-69   | Lake Koshkonong | Lipped     | 1         | Yes        | Absent  | N/A          | 41.69  | 5.63  | 4.83      | 4.4    |
| U3-70   | Lake Koshkonong | None       | 1         | Yes        | Present | Restraighten | 34.37  | 3.28  | 2.61      | 0.91   |
| U3-71   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 28.77  | 4.11  | 3.08      | 1.44   |
| U3-72   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 51.35  | 5.06  | 4.07      | 5.2    |
| U3-73   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 40.58  | 6.19  | 2.56      | 1.6    |
| U3-74   | Lake Koshkonong | Split      | 4         | Yes        | Absent  | N/A          | 74.7   | 5.64  | 4.93      | 7.93   |
| U3-75   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 36.9   | 2.41  | 2.05      | 0.75   |
| U3-76   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 49.45  | 3.56  | 3.63      | 3.06   |
| U3-77   | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 49.25  | 4.49  | 4.15      | 4.65   |
| U3-78   | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 81.56  | 5.43  | 4.96      | 10.77  |
| U3-79   | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 46.82  | 4.31  | 3.86      | 3.03   |
| U9-01   | Lake Koshkonong | None       | 3         | Yes        | Absent  | N/A          | 111.56 | 10.81 | 2.82      | 9.76   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| U3-48   | Lake Koshkonong | Perforator             | IV          |
| U3-49   | Lake Koshkonong | Perforator             | IV          |
| U3-50   | Lake Koshkonong | Perforator             | IV          |
| U3-51   | Lake Koshkonong | Perforator             | IV          |
| U3-52   | Lake Koshkonong | Perforator             | IV          |
| U3-53   | Lake Koshkonong | Perforator             | IV          |
| U3-54   | Lake Koshkonong | Perforator             | IV          |
| U3-55   | Lake Koshkonong | Perforator             | IV          |
| U3-56   | Lake Koshkonong | Perforator             | IV          |
| U3-57   | Lake Koshkonong | Perforator             | IV          |
| U3-58   | Lake Koshkonong | Perforator             | IV          |
| U3-59   | Lake Koshkonong | Perforator             | IV          |
| U3-60   | Lake Koshkonong | Perforator             | IV          |
| U3-61   | Lake Koshkonong | Perforator             | IV          |
| U3-62   | Lake Koshkonong | Perforator             | IV          |
| U3-63   | Lake Koshkonong | Perforator             | IV-B        |
| U3-64   | Lake Koshkonong | Perforator             | IV          |
| U3-65   | Lake Koshkonong | Perforator             | IV          |
| U3-66   | Lake Koshkonong | Perforator             | IV          |
| U3-67   | Lake Koshkonong | Perforator             | IV          |
| U3-68   | Lake Koshkonong | Perforator             | IV          |
| U3-69   | Lake Koshkonong | Perforator             | IV          |
| U3-70   | Lake Koshkonong | Perforator             | IV          |
| U3-71   | Lake Koshkonong | Perforator             | IV          |
| U3-72   | Lake Koshkonong | Perforator             | IV          |
| U3-73   | Lake Koshkonong | Unknown                |             |
| U3-74   | Lake Koshkonong | Perforator             | IV          |
| U3-75   | Lake Koshkonong | Perforator             | IV          |
| U3-76   | Lake Koshkonong | Perforator             | IV          |
| U3-77   | Lake Koshkonong | Perforator             | IV          |
| U3-78   | Lake Koshkonong | Perforator             | IV          |
| U3-79   | Lake Koshkonong | Perforator             | IV          |
| U9-01   | Lake Koshkonong | Feather                |             |



| Cat Num | Provenience     | Comments   |
|---------|-----------------|--|
| U3-48   | Lake Koshkonong |  |
| U3-49   | Lake Koshkonong |  |
| U3-50   | Lake Koshkonong |  |
| U3-51   | Lake Koshkonong |  |
| U3-52   | Lake Koshkonong |  |
| U3-53   | Lake Koshkonong |  |
| U3-54   | Lake Koshkonong |  |
| U3-55   | Lake Koshkonong |  |
| U3-56   | Lake Koshkonong |  |
| U3-57   | Lake Koshkonong |  |
| U3-58   | Lake Koshkonong |  |
| U3-59   | Lake Koshkonong |  |
| U3-60   | Lake Koshkonong | Welding split  |
| U3-61   | Lake Koshkonong |  |
| U3-62   | Lake Koshkonong | Welding split  |
| U3-63   | Lake Koshkonong |  |
| U3-64   | Lake Koshkonong |  |
| U3-65   | Lake Koshkonong |  |
| U3-66   | Lake Koshkonong |  |
| U3-67   | Lake Koshkonong |  |
| U3-68   | Lake Koshkonong |  |
| U3-69   | Lake Koshkonong |  |
| U3-70   | Lake Koshkonong |  |
| U3-71   | Lake Koshkonong |  |
| U3-72   | Lake Koshkonong |  |
| U3-73   | Lake Koshkonong | Could be an awl repurposed from a projectile point   |
| U3-74   | Lake Koshkonong | Welding split  |
| U3-75   | Lake Koshkonong | Welding split  |
| U3-76   | Lake Koshkonong |  |
| U3-77   | Lake Koshkonong |  |
| U3-78   | Lake Koshkonong |  |
| U3-79   | Lake Koshkonong | possibly used after breaking                         |
| U9-01   | Lake Koshkonong | Feather effigy, or some other non-utilitarian object |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| U3-48   | Lake Koshkonong |  |  |  |  |  |
| U3-49   | Lake Koshkonong |  |  |  |  |  |
| U3-50   | Lake Koshkonong |  |  |  |  |  |
| U3-51   | Lake Koshkonong |  |  |  |  |  |
| U3-52   | Lake Koshkonong |  |  |  |  |  |
| U3-53   | Lake Koshkonong |  |  |  |  |  |
| U3-54   | Lake Koshkonong |  |  |  |  |  |
| U3-55   | Lake Koshkonong |  |  |  |  |  |
| U3-56   | Lake Koshkonong |  |  |  |  |  |
| U3-57   | Lake Koshkonong |  |  |  |  |  |
| U3-58   | Lake Koshkonong |  |  |  |  |  |
| U3-59   | Lake Koshkonong |  |  |  |  |  |
| U3-60   | Lake Koshkonong |  |  |  |  |  |
| U3-61   | Lake Koshkonong |  |  |  |  |  |
| U3-62   | Lake Koshkonong |  |  |  |  |  |
| U3-63   | Lake Koshkonong |  |  |  |  |  |
| U3-64   | Lake Koshkonong |  |  |  |  |  |
| U3-65   | Lake Koshkonong |  |  |  |  |  |
| U3-66   | Lake Koshkonong |  |  |  |  |  |
| U3-67   | Lake Koshkonong |  |  |  |  |  |
| U3-68   | Lake Koshkonong |  |  |  |  |  |
| U3-69   | Lake Koshkonong |  |  |  |  |  |
| U3-70   | Lake Koshkonong |  |  |  |  |  |
| U3-71   | Lake Koshkonong |  |  |  |  |  |
| U3-72   | Lake Koshkonong |  |  |  |  |  |
| U3-73   | Lake Koshkonong |  |  |  |  |  |
| U3-74   | Lake Koshkonong |  |  |  |  |  |
| U3-75   | Lake Koshkonong |  |  |  |  |  |
| U3-76   | Lake Koshkonong |  |  |  |  |  |
| U3-77   | Lake Koshkonong |  |  |  |  |  |
| U3-78   | Lake Koshkonong |  |  |  |  |  |
| U3-79   | Lake Koshkonong |  |  |  |  |  |
| U9-01   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present   | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect      |
|---------|-----------------|-------------|--------------|-------------------|-----------------|--------------|---------------|----------------|
| U9-02   | Lake Koshkonong | Very Heavy  | Partial      | Distal and Medial | Non-Utilitarian | Asymmetrical | Pointed       | N/A            |
| U9-03   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-04   | Lake Koshkonong | Heavy       | Partial      | Medial            | Bladed          | Asymmetrical | N/A           | Biconvex       |
| U9-05   | Lake Koshkonong | Very Heavy  | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-06   | Lake Koshkonong | Very Heavy  | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-07   | Lake Koshkonong | Very Heavy  | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-08   | Lake Koshkonong | Medium      | Partial      | Distal and Medial | Non-Utilitarian | Symmetrical  | Rounded       | Concave-convex |
| U9-09   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Non-Utilitarian | Symmetrical  | Pointed       | Biconvex       |
| U9-10   | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular    |
| U9-11   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Triangular     |
| U9-12   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-13   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Biconvex       |
| U9-14   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Indeterminate | Triangular     |
| U9-15   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Asymmetrical | Flat          | Concave-convex |
| U9-16   | Lake Koshkonong | Medium      | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Rectangular    |
| U9-17   | Lake Koshkonong | Heavy       | Whole        | All               | Non-Utilitarian | Symmetrical  | Pointed       | Rectangular    |
| U9-18   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Flat          | Rectangular    |
| U9-19   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Triangular     |
| U9-20   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Plano-convex   |
| U9-21   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Concave-convex |
| U9-22   | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Biconvex       |
| U9-23   | Lake Koshkonong | Medium      | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-24   | Lake Koshkonong | Medium      | Partial      | Distal and Medial | Bladed          | Symmetrical  | Pointed       | Triangular     |
| U9-25   | Lake Koshkonong | Medium      | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Wedge          |
| U9-26   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Non-Utilitarian | Symmetrical  | Pointed       | Plano-convex   |
| U9-27   | Lake Koshkonong | Heavy       | Whole        | All               | Non-Utilitarian | Symmetrical  | Pointed       | Rectangular    |
| U12-01  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round          |
| U12-02  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round          |
| U12-03  | Lake Koshkonong | Very Heavy  | Whole        | All               | Pointed         | Symmetrical  | Rounded       | Square         |
| U12-04  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular    |
| U12-05  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round          |
| U12-06  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square         |
| U12-07  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square         |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element  | Proximal Shape | Prox X-sect  | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|---------------|----------------|--------------|------------|--------|-----------|
| U9-02   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Rod            | Rectangular  | N/A        | 0      | 0         |
| U9-03   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Pointed    | 3      | 2         |
| U9-04   | Lake Koshkonong | Sub-Triangular | N/A          | N/A           | N/A            | N/A          | N/A        | 1      | 1         |
| U9-05   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Rounded    | 3      | 2         |
| U9-06   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Pointed    | 3      | 2         |
| U9-07   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Flat       | 3      | 2         |
| U9-08   | Lake Koshkonong | Sub-Triangular | N/A          | N/A           | N/A            | N/A          | N/A        | 0      | 0         |
| U9-09   | Lake Koshkonong | Lanceolate     | N/A          | N/A           | N/A            | N/A          | N/A        | 0      | 0         |
| U9-10   | Lake Koshkonong | Triangular     | N/A          | Present       | Socket         | Angular      | Pointed    | 1      | 0         |
| U9-11   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Rounded    | 3      | 2         |
| U9-12   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Pointed    | 3      | 2         |
| U9-13   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Pointed    | 3      | 2         |
| U9-14   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Flat       | 3      | 2         |
| U9-15   | Lake Koshkonong | Rectangular    | N/A          | Present       | Rod            | Rectangular  | Flat       | 1      | 1         |
| U9-16   | Lake Koshkonong | Rectangular    | N/A          | Absent        | Rectangular    | Rectangular  | Flat       | 1      | 1         |
| U9-17   | Lake Koshkonong | Lanceolate     | N/A          | Indeterminate | N/A            | Triangular   | Pointed    | 0      | 0         |
| U9-18   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round        | Flat       | 1      | 0         |
| U9-19   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Flat       | 1      | 0         |
| U9-20   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Flat       | 3      | 2         |
| U9-21   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round        | Flat       | 1      | 0         |
| U9-22   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Rounded    | 3      | 2         |
| U9-23   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Angular      | Pointed    | 3      | 2         |
| U9-24   | Lake Koshkonong | Sub-Triangular | N/A          | N/A           | N/A            | N/A          | N/A        | 3      | 2         |
| U9-25   | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round        | Rounded    | 2      | 1         |
| U9-26   | Lake Koshkonong | Sub-Triangular | N/A          | N/A           | N/A            | Plano-convex | Rounded    | 0      | 0         |
| U9-27   | Lake Koshkonong | Lanceolate     | N/A          | Absent        | Rod            | Rectangular  | Rounded    | 0      | 0         |
| U12-01  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round        | Pointed    | 1 or 2 | 0         |
| U12-02  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round        | Pointed    | 1 or 2 | 0         |
| U12-03  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square       | Rounded    | 1      | 0         |
| U12-04  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular  | Rounded    | 1      | 0         |
| U12-05  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round        | Rounded    | 1      | 0         |
| U12-06  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square       | Pointed    | 1 or 2 | 0         |
| U12-07  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square       | Pointed    | 1 or 2 | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U9-02   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U9-03   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | Polished | None     |
| U9-04   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-05   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U9-06   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U9-07   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U9-08   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U9-09   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U9-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Polished  | None      | None     | None     |
| U9-11   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U9-12   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | Polished | None     |
| U9-13   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | Bend     | Bend     |
| U9-14   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U9-15   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | Worn      | None      | None     | None     |
| U9-16   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Polished  | None      | None     | None     |
| U9-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | None     |
| U9-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-20   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-21   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-22   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U9-23   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U9-24   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | Polished | None     |
| U9-25   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U9-26   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U9-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-01  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-02  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U12-03  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-04  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U12-05  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Notched   | None      | None     | None     |
| U12-06  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-07  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| U9-02   | Lake Koshkonong | Broken    | 1         | Yes        | Absent  | N/A          | 70.98  | 14.3  | 3.4       | 7.44   |
| U9-03   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 86.49  | 20.03 | 8.73      | 18.61  |
| U9-04   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.93  | 12.46 | 2.57      | 4.04   |
| U9-05   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 56.55  | 16.74 | 2.82      | 7.02   |
| U9-06   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 143.16 | 19.5  | 9.24      | 27.98  |
| U9-07   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 93.47  | 23.66 | 4.19      | 31.58  |
| U9-08   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 60.66  | 12.76 | 2.71      | 6.78   |
| U9-09   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 55.58  | 11.54 | 2.11      | 4.93   |
| U9-10   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 142.46 | 24.79 | 15.48     | 126.01 |
| U9-11   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 101.61 | 20.43 | 8.77      | 20.43  |
| U9-12   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 125.4  | 24.88 | 5.98      | 72.09  |
| U9-13   | Lake Koshkonong | None      | 2         | Yes        | Present | Restraighten | 107.43 | 17.25 | 3.74      | 16.99  |
| U9-14   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 89.53  | 24.89 | 4.37      | 25.79  |
| U9-15   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 87.28  | 12.96 | 5.22      | 12.94  |
| U9-16   | Lake Koshkonong | Lipped    | 2         | Yes        | Absent  | N/A          | 54.6   | 14.79 | 5.96      | 26.75  |
| U9-17   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 114.24 | 13.34 | 4.25      | 17.77  |
| U9-18   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 39.11  | 15.7  | 6.48      | 4.78   |
| U9-19   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 48.78  | 16.72 | 8.5       | 13.46  |
| U9-20   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 51.69  | 16.23 | 8.05      | 9.89   |
| U9-21   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31.19  | 11.09 | 2.59      | 2.21   |
| U9-22   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.66  | 14.84 | 2.48      | 3.61   |
| U9-23   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 111.76 | 23.76 | 3.83      | 25.55  |
| U9-24   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 107.23 | 11.86 | 3.11      | 14.88  |
| U9-25   | Lake Koshkonong | Cut       | 2         | Yes        | Present | Restraighten | 112.51 | 19.12 | 4.41      | 39.55  |
| U9-26   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 71.79  | 14.25 | 2.93      | 7.72   |
| U9-27   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 60.65  | 9.98  | 2.89      | 5.16   |
| U12-01  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 26.81  | 3.95  | 3.3       | 1.4    |
| U12-02  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 80.5   | 4.15  | 3.93      | 3.97   |
| U12-03  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 102.82 | 7.34  | 6.73      | 18.85  |
| U12-04  | Lake Koshkonong | Bend      | 2         | Yes        | Absent  | N/A          | 131.4  | 6.39  | 3.33      | 13.56  |
| U12-05  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 28.99  | 3.68  | 3.24      | 1.44   |
| U12-06  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 38.53  | 3.22  | 2.99      | 1.29   |
| U12-07  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 30.05  | 3.68  | 3.24      | 1.51   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| U9-02   | Lake Koshkonong | Feather                |             |
| U9-03   | Lake Koshkonong | Projectile Point       | I-A2        |
| U9-04   | Lake Koshkonong | Knife                  | II          |
| U9-05   | Lake Koshkonong | Projectile Point       | I-A1        |
| U9-06   | Lake Koshkonong | Projectile Point       | I-A1        |
| U9-07   | Lake Koshkonong | Projectile Point       | I-A1        |
| U9-08   | Lake Koshkonong | Feather                |             |
| U9-09   | Lake Koshkonong | Feather                |             |
| U9-10   | Lake Koshkonong | Projectile Point       | I           |
| U9-11   | Lake Koshkonong | Projectile Point       | I-A         |
| U9-12   | Lake Koshkonong | Projectile Point       | I-A         |
| U9-13   | Lake Koshkonong | Projectile Point       | I-A         |
| U9-14   | Lake Koshkonong | Projectile Point       | I-A         |
| U9-15   | Lake Koshkonong | Chisel                 |             |
| U9-16   | Lake Koshkonong | Axe                    |             |
| U9-17   | Lake Koshkonong | Feather                |             |
| U9-18   | Lake Koshkonong | Projectile Point       | I           |
| U9-19   | Lake Koshkonong | Projectile Point       | I           |
| U9-20   | Lake Koshkonong | Projectile Point       | I           |
| U9-21   | Lake Koshkonong | Projectile Point       | I           |
| U9-22   | Lake Koshkonong | Projectile Point       | I           |
| U9-23   | Lake Koshkonong | Projectile Point       | I-A         |
| U9-24   | Lake Koshkonong | Unknown                |             |
| U9-25   | Lake Koshkonong | Projectile Point       | I           |
| U9-26   | Lake Koshkonong | Feather                |             |
| U9-27   | Lake Koshkonong | Feather                |             |
| U12-01  | Lake Koshkonong | Perforator             | IV-A        |
| U12-02  | Lake Koshkonong | Perforator             | IV-A        |
| U12-03  | Lake Koshkonong | Perforator             | IV          |
| U12-04  | Lake Koshkonong | Perforator             | IV          |
| U12-05  | Lake Koshkonong | Perforator             | IV          |
| U12-06  | Lake Koshkonong | Perforator             | IV          |
| U12-07  | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments   |
|---------|-----------------|--|
| U9-02   | Lake Koshkonong | Feather effigy, or some other non-utilitarian object                                   |
| U9-03   | Lake Koshkonong |  |
| U9-04   | Lake Koshkonong |  |
| U9-05   | Lake Koshkonong | beveled from ventral side  |
| U9-06   | Lake Koshkonong |  |
| U9-07   | Lake Koshkonong | beveled from ventral side  |
| U9-08   | Lake Koshkonong | Feather effigy, or some other non-utilitarian object                                   |
| U9-09   | Lake Koshkonong |  |
| U9-10   | Lake Koshkonong | lots of striations from manufacture on the dorsal surface                              |
| U9-11   | Lake Koshkonong | manufacturing striations mid-dorsal section  |
| U9-12   | Lake Koshkonong |  |
| U9-13   | Lake Koshkonong | no shoulders   |
| U9-14   | Lake Koshkonong | manufacturing striations mid-ventral surface, perpendicular to long axis               |
| U9-15   | Lake Koshkonong |  |
| U9-16   | Lake Koshkonong |  |
| U9-17   | Lake Koshkonong |  |
| U9-18   | Lake Koshkonong |  |
| U9-19   | Lake Koshkonong |  |
| U9-20   | Lake Koshkonong |  |
| U9-21   | Lake Koshkonong |  |
| U9-22   | Lake Koshkonong |  |
| U9-23   | Lake Koshkonong | manufacturin striations  |
| U9-24   | Lake Koshkonong |  |
| U9-25   | Lake Koshkonong | metal on metal cut on haft   |
| U9-26   | Lake Koshkonong | Feather effigy, or some other non-utilitarian object                                   |
| U9-27   | Lake Koshkonong | Feather effigy, or some other non-utilitarian object                                   |
| U12-01  | Lake Koshkonong |  |
| U12-02  | Lake Koshkonong | 1/2 of the perforator is thinner than the either, interesting manufacturing difference |
| U12-03  | Lake Koshkonong |  |
| U12-04  | Lake Koshkonong |  |
| U12-05  | Lake Koshkonong |  |
| U12-06  | Lake Koshkonong |  |
| U12-07  | Lake Koshkonong |  |



| Cat Num | Provenience     |  |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|--|
| U9-02   | Lake Koshkonong |  |  |  |  |  |  |
| U9-03   | Lake Koshkonong |  |  |  |  |  |  |
| U9-04   | Lake Koshkonong |  |  |  |  |  |  |
| U9-05   | Lake Koshkonong |  |  |  |  |  |  |
| U9-06   | Lake Koshkonong |  |  |  |  |  |  |
| U9-07   | Lake Koshkonong |  |  |  |  |  |  |
| U9-08   | Lake Koshkonong |  |  |  |  |  |  |
| U9-09   | Lake Koshkonong |  |  |  |  |  |  |
| U9-10   | Lake Koshkonong |  |  |  |  |  |  |
| U9-11   | Lake Koshkonong |  |  |  |  |  |  |
| U9-12   | Lake Koshkonong |  |  |  |  |  |  |
| U9-13   | Lake Koshkonong |  |  |  |  |  |  |
| U9-14   | Lake Koshkonong |  |  |  |  |  |  |
| U9-15   | Lake Koshkonong |  |  |  |  |  |  |
| U9-16   | Lake Koshkonong |  |  |  |  |  |  |
| U9-17   | Lake Koshkonong |  |  |  |  |  |  |
| U9-18   | Lake Koshkonong |  |  |  |  |  |  |
| U9-19   | Lake Koshkonong |  |  |  |  |  |  |
| U9-20   | Lake Koshkonong |  |  |  |  |  |  |
| U9-21   | Lake Koshkonong |  |  |  |  |  |  |
| U9-22   | Lake Koshkonong |  |  |  |  |  |  |
| U9-23   | Lake Koshkonong |  |  |  |  |  |  |
| U9-24   | Lake Koshkonong |  |  |  |  |  |  |
| U9-25   | Lake Koshkonong |  |  |  |  |  |  |
| U9-26   | Lake Koshkonong |  |  |  |  |  |  |
| U9-27   | Lake Koshkonong |  |  |  |  |  |  |
| U12-01  | Lake Koshkonong |  |  |  |  |  |  |
| U12-02  | Lake Koshkonong |  |  |  |  |  |  |
| U12-03  | Lake Koshkonong |  |  |  |  |  |  |
| U12-04  | Lake Koshkonong |  |  |  |  |  |  |
| U12-05  | Lake Koshkonong |  |  |  |  |  |  |
| U12-06  | Lake Koshkonong |  |  |  |  |  |  |
| U12-07  | Lake Koshkonong |  |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present   | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|-------------------|-----------------|--------------|---------------|-------------|
| U12-08  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-09  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-10  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Asymmetrical | Pointed       | Rectangular |
| U12-11  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-12  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-13  | Lake Koshkonong | Very Heavy  | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-14  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-15  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U12-16  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-17  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-18  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-19  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-20  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-21  | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed       | Rectangular |
| U12-22  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Rounded       | Square      |
| U12-23  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-24  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Rounded       | Round       |
| U12-25  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-26  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-27  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-28  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Round       |
| U12-29  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U12-30  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-31  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-32  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-33  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U12-34  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |
| U12-35  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U12-36  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Asymmetrical | Pointed       | Round       |
| U12-37  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Rectangular |
| U12-38  | Lake Koshkonong | Heavy       | Partial      | Indeterminate     | Pointed         | Symmetrical  | Indeterminate | Rectangular |
| U12-39  | Lake Koshkonong | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded       | Rectangular |
| U12-40  | Lake Koshkonong | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed       | Square      |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element  | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|---------------|----------------|-------------|------------|--------|-----------|
| U12-08  | Lake Koshkonong | Rod            | N/A          | N/A           | N/A            | N/A         | N/A        | 1      | 0         |
| U12-09  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-10  | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-11  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded    | 1      | 0         |
| U12-12  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| U12-13  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-14  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| U12-15  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-16  | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round       | Pointed    | 1      | 0         |
| U12-17  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-18  | Lake Koshkonong | Rod            | N/A          | Present       | Loop           | Round       | N/A        | 1      | 0         |
| U12-19  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-20  | Lake Koshkonong | Rod            | N/A          | Present       | Bulb           | Rectangular | Rounded    | 1      | 0         |
| U12-21  | Lake Koshkonong | Sub-Triangular | N/A          | Indeterminate | Tab            | Rectangular | Rounded    | 1 or 2 | 1         |
| U12-22  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-23  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-24  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded    | 1      | 0         |
| U12-25  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| U12-26  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-27  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| U12-28  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-29  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-30  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| U12-31  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-32  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-33  | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Rod            | Rectangular | Rounded    | 1      | 0         |
| U12-34  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |
| U12-35  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-36  | Lake Koshkonong | Rod            | N/A          | Present       | Hook           | Round       | Rounded    | 1      | 0         |
| U12-37  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-38  | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| U12-39  | Lake Koshkonong | Rod            | N/A          | Present       | Tab            | Rectangular | Rounded    | 1 or 2 | 2         |
| U12-40  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded    | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U12-08  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| U12-09  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-10  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-11  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U12-12  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U12-13  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U12-14  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | Broken   |
| U12-15  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U12-16  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U12-17  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-18  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U12-19  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-20  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-21  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-22  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| U12-23  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U12-24  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Striated  | None      | None     | None     |
| U12-25  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U12-26  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| U12-27  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| U12-28  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-29  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U12-30  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-31  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | None     | None     |
| U12-32  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U12-33  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U12-34  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-35  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U12-36  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| U12-37  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U12-38  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| U12-39  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Split    |
| U12-40  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| U12-08  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 15.71  | 3.41  | 3.1       | 0.68   |
| U12-09  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 198.4  | 4.04  | 3.67      | 8.25   |
| U12-10  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 104.23 | 8.79  | 2         | 9.14   |
| U12-11  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 72.99  | 5.69  | 5.66      | 9.34   |
| U12-12  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 87.14  | 3.45  | 3.22      | 3.41   |
| U12-13  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 113.84 | 3.75  | 3.67      | 7.51   |
| U12-14  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 121.32 | 4.99  | 4.99      | 10.41  |
| U12-15  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 105.27 | 5.59  | 3.11      | 7.69   |
| U12-16  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 30.48  | 5.38  | 4.01      | 1.7    |
| U12-17  | Lake Koshkonong | None      | 0         | No         | Present | Resharpener  | 39.48  | 3.15  | 3.09      | 1.54   |
| U12-18  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.25  | 3.58  | 2.96      | 0.97   |
| U12-19  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 20.38  | 3.68  | 2.55      | 0.84   |
| U12-20  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 130.58 | 5.18  | 4.6       | 12.45  |
| U12-21  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 84.53  | 6.91  | 4.46      | 10.96  |
| U12-22  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 75.02  | 3.24  | 3.24      | 3.39   |
| U12-23  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.99  | 3.51  | 3.13      | 2.24   |
| U12-24  | Lake Koshkonong | Flattened | 2         | Yes        | Absent  | N/A          | 72.65  | 5.89  | 5.69      | 11.43  |
| U12-25  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.52  | 4.7   | 4.42      | 3.56   |
| U12-26  | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 83.41  | 4.6   | 4.08      | 6.28   |
| U12-27  | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 127.66 | 6.86  | 6.18      | 23.83  |
| U12-28  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 50.06  | 4.26  | 3.66      | 3.8    |
| U12-29  | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 144.62 | 5.75  | 3.55      | 12.58  |
| U12-30  | Lake Koshkonong | Split     | 1         | Yes        | Absent  | N/A          | 144.48 | 6.44  | 6.24      | 29.38  |
| U12-31  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 141.82 | 6.14  | 5.84      | 23.28  |
| U12-32  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 51.93  | 4.41  | 3.66      | 3.52   |
| U12-33  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 126.9  | 8.26  | 5.09      | 26.83  |
| U12-34  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 72.79  | 5.19  | 4.97      | 9.67   |
| U12-35  | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 49.31  | 4.25  | 3.05      | 2.53   |
| U12-36  | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 79.62  | 3.49  | 3.22      | 3.17   |
| U12-37  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.86  | 3.32  | 2.34      | 1.85   |
| U12-38  | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 96.17  | 7.58  | 4.68      | 11.27  |
| U12-39  | Lake Koshkonong | None      | 2         | Yes        | Present | Restraighten | 114.14 | 7.46  | 4.23      | 11.38  |
| U12-40  | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 176    | 5.93  | 5.51      | 26.86  |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| U12-08  | Lake Koshkonong | Perforator             | IV          |
| U12-09  | Lake Koshkonong | Perforator             | IV          |
| U12-10  | Lake Koshkonong | Perforator             | IV          |
| U12-11  | Lake Koshkonong | Perforator             | IV-B        |
| U12-12  | Lake Koshkonong | Perforator             | IV-A        |
| U12-13  | Lake Koshkonong | Perforator             | IV-B        |
| U12-14  | Lake Koshkonong | Perforator             | IV-A        |
| U12-15  | Lake Koshkonong | Perforator             | IV-A        |
| U12-16  | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| U12-17  | Lake Koshkonong | Perforator             | IV-B        |
| U12-18  | Lake Koshkonong | Perforator             | IV-D        |
| U12-19  | Lake Koshkonong | Perforator             | IV-B        |
| U12-20  | Lake Koshkonong | Perforator             | IV-B        |
| U12-21  | Lake Koshkonong | Unknown                |             |
| U12-22  | Lake Koshkonong | Perforator             | IV-B        |
| U12-23  | Lake Koshkonong | Perforator             | IV-B        |
| U12-24  | Lake Koshkonong | Perforator             | IV-B        |
| U12-25  | Lake Koshkonong | Perforator             | IV-A        |
| U12-26  | Lake Koshkonong | Perforator             | IV-B        |
| U12-27  | Lake Koshkonong | Perforator             | IV          |
| U12-28  | Lake Koshkonong | Perforator             | IV-B        |
| U12-29  | Lake Koshkonong | Perforator             | IV-A        |
| U12-30  | Lake Koshkonong | Perforator             | IV          |
| U12-31  | Lake Koshkonong | Perforator             | IV-B        |
| U12-32  | Lake Koshkonong | Perforator             | IV-B        |
| U12-33  | Lake Koshkonong | Perforator             | IV-B        |
| U12-34  | Lake Koshkonong | Perforator             | IV-B        |
| U12-35  | Lake Koshkonong | Perforator             | IV-A        |
| U12-36  | Lake Koshkonong | Perforator             | IV          |
| U12-37  | Lake Koshkonong | Perforator             | IV-A        |
| U12-38  | Lake Koshkonong | Perforator             | IV          |
| U12-39  | Lake Koshkonong | Unknown                |             |
| U12-40  | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments      |
|---------|-----------------|---------------|
| U12-08  | Lake Koshkonong |               |
| U12-09  | Lake Koshkonong |               |
| U12-10  | Lake Koshkonong |               |
| U12-11  | Lake Koshkonong |               |
| U12-12  | Lake Koshkonong |               |
| U12-13  | Lake Koshkonong |               |
| U12-14  | Lake Koshkonong |               |
| U12-15  | Lake Koshkonong |               |
| U12-16  | Lake Koshkonong |               |
| U12-17  | Lake Koshkonong |               |
| U12-18  | Lake Koshkonong |               |
| U12-19  | Lake Koshkonong |               |
| U12-20  | Lake Koshkonong |               |
| U12-21  | Lake Koshkonong |               |
| U12-22  | Lake Koshkonong |               |
| U12-23  | Lake Koshkonong |               |
| U12-24  | Lake Koshkonong |               |
| U12-25  | Lake Koshkonong |               |
| U12-26  | Lake Koshkonong |               |
| U12-27  | Lake Koshkonong |               |
| U12-28  | Lake Koshkonong |               |
| U12-29  | Lake Koshkonong |               |
| U12-30  | Lake Koshkonong | Welding split |
| U12-31  | Lake Koshkonong |               |
| U12-32  | Lake Koshkonong |               |
| U12-33  | Lake Koshkonong |               |
| U12-34  | Lake Koshkonong |               |
| U12-35  | Lake Koshkonong |               |
| U12-36  | Lake Koshkonong |               |
| U12-37  | Lake Koshkonong |               |
| U12-38  | Lake Koshkonong |               |
| U12-39  | Lake Koshkonong | Welding split |
| U12-40  | Lake Koshkonong |               |

| Cat Num | Provenience     |             |  |  |  |  |  |
|---------|-----------------|-------------|--|--|--|--|--|
| U12-08  | Lake Koshkonong |             |  |  |  |  |  |
| U12-09  | Lake Koshkonong |             |  |  |  |  |  |
| U12-10  | Lake Koshkonong |             |  |  |  |  |  |
| U12-11  | Lake Koshkonong |             |  |  |  |  |  |
| U12-12  | Lake Koshkonong | missing pic |  |  |  |  |  |
| U12-13  | Lake Koshkonong |             |  |  |  |  |  |
| U12-14  | Lake Koshkonong |             |  |  |  |  |  |
| U12-15  | Lake Koshkonong |             |  |  |  |  |  |
| U12-16  | Lake Koshkonong |             |  |  |  |  |  |
| U12-17  | Lake Koshkonong |             |  |  |  |  |  |
| U12-18  | Lake Koshkonong |             |  |  |  |  |  |
| U12-19  | Lake Koshkonong |             |  |  |  |  |  |
| U12-20  | Lake Koshkonong |             |  |  |  |  |  |
| U12-21  | Lake Koshkonong |             |  |  |  |  |  |
| U12-22  | Lake Koshkonong |             |  |  |  |  |  |
| U12-23  | Lake Koshkonong |             |  |  |  |  |  |
| U12-24  | Lake Koshkonong |             |  |  |  |  |  |
| U12-25  | Lake Koshkonong |             |  |  |  |  |  |
| U12-26  | Lake Koshkonong |             |  |  |  |  |  |
| U12-27  | Lake Koshkonong |             |  |  |  |  |  |
| U12-28  | Lake Koshkonong |             |  |  |  |  |  |
| U12-29  | Lake Koshkonong |             |  |  |  |  |  |
| U12-30  | Lake Koshkonong |             |  |  |  |  |  |
| U12-31  | Lake Koshkonong |             |  |  |  |  |  |
| U12-32  | Lake Koshkonong |             |  |  |  |  |  |
| U12-33  | Lake Koshkonong |             |  |  |  |  |  |
| U12-34  | Lake Koshkonong |             |  |  |  |  |  |
| U12-35  | Lake Koshkonong |             |  |  |  |  |  |
| U12-36  | Lake Koshkonong |             |  |  |  |  |  |
| U12-37  | Lake Koshkonong |             |  |  |  |  |  |
| U12-38  | Lake Koshkonong |             |  |  |  |  |  |
| U12-39  | Lake Koshkonong |             |  |  |  |  |  |
| U12-40  | Lake Koshkonong |             |  |  |  |  |  |



| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present   | Basic Tool Form      | Symmetry      | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|-------------------|----------------------|---------------|---------------|-------------|
| U12-41  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-42  | Lake Koshkonong | Medium      | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Square      |
| U12-43  | Lake Koshkonong | Very Heavy  | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-44  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Square      |
| U12-45  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U12-46  | Lake Koshkonong | Medium      | Partial      | All               | Pointed              | Symmetrical   | Indeterminate | Square      |
| U12-47  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Rounded       | Square      |
| U12-48  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-49  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U12-50  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Pointed              | Symmetrical   | Pointed       | Square      |
| U12-51  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-52  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Square      |
| U12-53  | Lake Koshkonong | Medium      | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-54  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Square      |
| U12-55  | Lake Koshkonong | Medium      | Whole        | All               | Bladed               | Asymmetrical  | Pointed       | Round       |
| U12-56  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Asymmetrical  | Pointed       | Round       |
| U12-57  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U12-58  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U12-59  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Round       |
| U16-01  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial | Bladed               | Asymmetrical  | Rounded       | Irregular   |
| U16-02  | Lake Koshkonong | Medium      | Partial      | Indeterminate     | Manufacturing Debris | Indeterminate | N/A           | Triangular  |
| U16-03  | Lake Koshkonong | Heavy       | Partial      | Proximal          | Indeterminate        | Indeterminate | N/A           | N/A         |
| U16-04  | Lake Koshkonong | Medium      | Whole        | All               | Bladed               | Symmetrical   | Rounded       | Rectangular |
| U16-05  | Lake Koshkonong | Heavy       | Partial      | Proximal          | Indeterminate        | Indeterminate | N/A           | N/A         |
| U16-06  | Lake Koshkonong | Medium      | Partial      | Indeterminate     | Manufacturing Debris | Indeterminate | N/A           | Irregular   |
| U16-07  | Lake Koshkonong | Heavy       | Partial      | Indeterminate     | Manufacturing Debris | Indeterminate | N/A           | Rectangular |
| U16-08  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-09  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-10  | Lake Koshkonong | Very Heavy  | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U16-11  | Lake Koshkonong | Heavy       | Partial      | Medial            | Pointed              | Symmetrical   | Indeterminate | Round       |
| U16-12  | Lake Koshkonong | Heavy       | Partial      | Indeterminate     | Manufacturing Debris | Indeterminate | N/A           | Irregular   |
| U16-13  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Rounded       | Round       |
| U16-14  | Lake Koshkonong | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed       | Square      |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element  | Proximal Shape | Prox X-sect | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|---------------|----------------|-------------|---------------|--------|-----------|
| U12-41  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed       | 1 or 2 | 0         |
| U12-42  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed       | 1 or 2 | 0         |
| U12-43  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Pointed       | 1 or 2 | 0         |
| U12-44  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| U12-45  | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Rounded       | 1      | 0         |
| U12-46  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Indeterminate | 1 or 2 | 0         |
| U12-47  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| U12-48  | Lake Koshkonong | Rod            | N/A          | N/A           | N/A            | N/A         | N/A           | 1      | 0         |
| U12-49  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed       | 1 or 2 | 0         |
| U12-50  | Lake Koshkonong | Rod            | N/A          | N/A           | N/A            | N/A         | N/A           | 1      | 0         |
| U12-51  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Pointed       | 1      | 0         |
| U12-52  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| U12-53  | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round       | Pointed       | 1      | 0         |
| U12-54  | Lake Koshkonong | Rod            | N/A          | Present       | Loop           | Square      | Rounded       | 1      | 0         |
| U12-55  | Lake Koshkonong | Curvate Rod    | < 90         | Indeterminate | Tab            | Rectangular | Rounded       | 2      | 1         |
| U12-56  | Lake Koshkonong | Curvate Rod    | < 90         | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |
| U12-57  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |
| U12-58  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| U12-59  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| U16-01  | Lake Koshkonong | Irregular      | N/A          | Absent        | Irregular      | Irregular   | Irregular     | 1      | 1         |
| U16-02  | Lake Koshkonong | Irregular      | N/A          | N/A           | N/A            | N/A         | N/A           | 0      | 0         |
| U16-03  | Lake Koshkonong | N/A            | N/A          | Present       | Socket         | Angular     | Pointed       | 0      | 0         |
| U16-04  | Lake Koshkonong | Rectangular    | N/A          | Present       | Socket         | Angular     | Pointed       | 1      | 1         |
| U16-05  | Lake Koshkonong | N/A            | N/A          | Present       | Socket         | Angular     | Pointed       | 0      | 0         |
| U16-06  | Lake Koshkonong | Triangular     | N/A          | N/A           | N/A            | N/A         | N/A           | 0      | 0         |
| U16-07  | Lake Koshkonong | Irregular      | N/A          | N/A           | N/A            | N/A         | N/A           | 0      | 0         |
| U16-08  | Lake Koshkonong | J              | < 90         | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| U16-09  | Lake Koshkonong | J              | > 90         | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| U16-10  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Pointed       | 1 or 2 | 0         |
| U16-11  | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Indeterminate | 0      | 0         |
| U16-12  | Lake Koshkonong | Irregular      | N/A          | N/A           | N/A            | N/A         | N/A           | 0      | 0         |
| U16-13  | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round       | Flat          | 1      | 0         |
| U16-14  | Lake Koshkonong | Sub-Triangular | N/A          | Present       | Socket         | Round       | Flat          | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U12-41  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | None     |
| U12-42  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-43  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-44  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| U12-45  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Gouged   | None     |
| U12-46  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-47  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | Bend     | None     |
| U12-48  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| U12-49  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-50  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| U12-51  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Split    | None     |
| U12-52  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U12-53  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U12-54  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | Bend     | None     |
| U12-55  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U12-56  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | Bend      | None     | None     |
| U12-57  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U12-58  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Split    | None     |
| U12-59  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-01  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-02  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-03  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-04  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Gouged    | None      | None     | None     |
| U16-05  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-06  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-07  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-08  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-09  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-10  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-11  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Split     | None      | None     | None     |
| U16-12  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-13  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | Smashed  |
| U16-14  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| U12-41  | Lake Koshkonong | None       | 2         | Yes        | Absent  | N/A          | 29.34  | 4.69  | 3.83      | 1.24   |
| U12-42  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 31.79  | 3.05  | 2.35      | 0.93   |
| U12-43  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 38.89  | 3.02  | 2.95      | 1.21   |
| U12-44  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 42.49  | 4.61  | 3.73      | 3.34   |
| U12-45  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 107.56 | 5.88  | 4.6       | 13.61  |
| U12-46  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 108.12 | 5.52  | 4.92      | 10.81  |
| U12-47  | Lake Koshkonong | Mushroomed | 3         | Yes        | Absent  | N/A          | 72.3   | 5.43  | 5.26      | 11.77  |
| U12-48  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 50.35  | 5.01  | 4.38      | 5.16   |
| U12-49  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 117.26 | 5.09  | 4.05      | 10.09  |
| U12-50  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 29.03  | 4.38  | 3.25      | 1.88   |
| U12-51  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 34.66  | 4.95  | 3.59      | 2.52   |
| U12-52  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 30.98  | 4.07  | 3.51      | 2.02   |
| U12-53  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 26.71  | 4.03  | 2.96      | 1.04   |
| U12-54  | Lake Koshkonong | None       | 1         | Yes        | Present | Restraighten | 145.39 | 4.24  | 3.99      | 9.28   |
| U12-55  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 112.13 | 9.94  | 7.15      | 28.48  |
| U12-56  | Lake Koshkonong | None       | 2         | Yes        | Present | Restraighten | 149    | 9.21  | 6.15      | 33.4   |
| U12-57  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 101.46 | 5.53  | 2.91      | 8.84   |
| U12-58  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 84.94  | 4.54  | 3.67      | 4.58   |
| U12-59  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 52.58  | 4.01  | 3.61      | 2.98   |
| U16-01  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 40.6   | 14.99 | 3.93      | 8.29   |
| U16-02  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 32.3   | 28.8  | 4.93      | 18.59  |
| U16-03  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 32.74  | 10.94 | 7.3       | 4.99   |
| U16-04  | Lake Koshkonong | None       | 1         | Yes        | Absent  | N/A          | 48.1   | 18.32 | 9.8       | 13.83  |
| U16-05  | Lake Koshkonong | Broken     | 1         | Yes        | Absent  | N/A          | 28.57  | 11.25 | 6.8       | 3.81   |
| U16-06  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 91.62  | 30.78 | 8.17      | 91.93  |
| U16-07  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 29.3   | 12.58 | 2.08      | 4.49   |
| U16-08  | Lake Koshkonong | Polished   | 1         | Yes        | Absent  | N/A          | 99     | 17.75 | 4.41      | 12.27  |
| U16-09  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 78.17  | 9.92  | 3.62      | 3.97   |
| U16-10  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 69.57  | 6.06  | 4.57      | 6.6    |
| U16-11  | Lake Koshkonong | Split      | 2         | Yes        | Absent  | N/A          | 64.91  | 4.08  | 4.06      | 3.96   |
| U16-12  | Lake Koshkonong | None       | 0         | No         | Absent  | N/A          | 25.86  | 20.67 | 4.02      | 9.39   |
| U16-13  | Lake Koshkonong | None       | 3         | Yes        | Absent  | N/A          | 49.98  | 6.15  | 5.24      | 2.94   |
| U16-14  | Lake Koshkonong | None       | 1         | Yes        | Present | Restraighten | 29.86  | 5.17  | 4.8       | 1.57   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| U12-41  | Lake Koshkonong | Perforator             | IV          |
| U12-42  | Lake Koshkonong | Perforator             | IV-A        |
| U12-43  | Lake Koshkonong | Perforator             | IV-A        |
| U12-44  | Lake Koshkonong | Perforator             | IV-B        |
| U12-45  | Lake Koshkonong | Perforator             | IV-B        |
| U12-46  | Lake Koshkonong | Perforator             | IV          |
| U12-47  | Lake Koshkonong | Perforator             | IV-B        |
| U12-48  | Lake Koshkonong | Perforator             | IV          |
| U12-49  | Lake Koshkonong | Perforator             | IV-A        |
| U12-50  | Lake Koshkonong | Perforator             | IV          |
| U12-51  | Lake Koshkonong | Perforator             | IV          |
| U12-52  | Lake Koshkonong | Perforator             | IV-B        |
| U12-53  | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| U12-54  | Lake Koshkonong | Perforator             | IV-D        |
| U12-55  | Lake Koshkonong | Unknown                |             |
| U12-56  | Lake Koshkonong | Perforator             | IV          |
| U12-57  | Lake Koshkonong | Perforator             | IV-B        |
| U12-58  | Lake Koshkonong | Perforator             | IV-B        |
| U12-59  | Lake Koshkonong | Perforator             | IV-B        |
| U16-01  | Lake Koshkonong | Unknown                |             |
| U16-02  | Lake Koshkonong | Unknown                |             |
| U16-03  | Lake Koshkonong | Socket only            |             |
| U16-04  | Lake Koshkonong | Spud                   | V-B         |
| U16-05  | Lake Koshkonong | Socket only            |             |
| U16-06  | Lake Koshkonong | Unknown                |             |
| U16-07  | Lake Koshkonong | Unknown                |             |
| U16-08  | Lake Koshkonong | Perforator             | IV          |
| U16-09  | Lake Koshkonong | Perforator             | IV          |
| U16-10  | Lake Koshkonong | Perforator             | IV-A        |
| U16-11  | Lake Koshkonong | Perforator             | IV          |
| U16-12  | Lake Koshkonong | Unknown                |             |
| U16-13  | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| U16-14  | Lake Koshkonong | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience     | Comments                    |
|---------|-----------------|-----------------------------|
| U12-41  | Lake Koshkonong |                             |
| U12-42  | Lake Koshkonong |                             |
| U12-43  | Lake Koshkonong |                             |
| U12-44  | Lake Koshkonong |                             |
| U12-45  | Lake Koshkonong |                             |
| U12-46  | Lake Koshkonong |                             |
| U12-47  | Lake Koshkonong |                             |
| U12-48  | Lake Koshkonong |                             |
| U12-49  | Lake Koshkonong |                             |
| U12-50  | Lake Koshkonong |                             |
| U12-51  | Lake Koshkonong | Welding split               |
| U12-52  | Lake Koshkonong |                             |
| U12-53  | Lake Koshkonong |                             |
| U12-54  | Lake Koshkonong |                             |
| U12-55  | Lake Koshkonong |                             |
| U12-56  | Lake Koshkonong |                             |
| U12-57  | Lake Koshkonong |                             |
| U12-58  | Lake Koshkonong |                             |
| U12-59  | Lake Koshkonong |                             |
| U16-01  | Lake Koshkonong | Expedient knife edge        |
| U16-02  | Lake Koshkonong | Chisel marks, chevron shape |
| U16-03  | Lake Koshkonong |                             |
| U16-04  | Lake Koshkonong |                             |
| U16-05  | Lake Koshkonong |                             |
| U16-06  | Lake Koshkonong |                             |
| U16-07  | Lake Koshkonong | Chisel marks, chevron shape |
| U16-08  | Lake Koshkonong |                             |
| U16-09  | Lake Koshkonong |                             |
| U16-10  | Lake Koshkonong |                             |
| U16-11  | Lake Koshkonong | Welding split               |
| U16-12  | Lake Koshkonong | Chisel marks, chevron shape |
| U16-13  | Lake Koshkonong |                             |
| U16-14  | Lake Koshkonong |                             |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| U12-41  | Lake Koshkonong |  |  |  |  |  |
| U12-42  | Lake Koshkonong |  |  |  |  |  |
| U12-43  | Lake Koshkonong |  |  |  |  |  |
| U12-44  | Lake Koshkonong |  |  |  |  |  |
| U12-45  | Lake Koshkonong |  |  |  |  |  |
| U12-46  | Lake Koshkonong |  |  |  |  |  |
| U12-47  | Lake Koshkonong |  |  |  |  |  |
| U12-48  | Lake Koshkonong |  |  |  |  |  |
| U12-49  | Lake Koshkonong |  |  |  |  |  |
| U12-50  | Lake Koshkonong |  |  |  |  |  |
| U12-51  | Lake Koshkonong |  |  |  |  |  |
| U12-52  | Lake Koshkonong |  |  |  |  |  |
| U12-53  | Lake Koshkonong |  |  |  |  |  |
| U12-54  | Lake Koshkonong |  |  |  |  |  |
| U12-55  | Lake Koshkonong |  |  |  |  |  |
| U12-56  | Lake Koshkonong |  |  |  |  |  |
| U12-57  | Lake Koshkonong |  |  |  |  |  |
| U12-58  | Lake Koshkonong |  |  |  |  |  |
| U12-59  | Lake Koshkonong |  |  |  |  |  |
| U16-01  | Lake Koshkonong |  |  |  |  |  |
| U16-02  | Lake Koshkonong |  |  |  |  |  |
| U16-03  | Lake Koshkonong |  |  |  |  |  |
| U16-04  | Lake Koshkonong |  |  |  |  |  |
| U16-05  | Lake Koshkonong |  |  |  |  |  |
| U16-06  | Lake Koshkonong |  |  |  |  |  |
| U16-07  | Lake Koshkonong |  |  |  |  |  |
| U16-08  | Lake Koshkonong |  |  |  |  |  |
| U16-09  | Lake Koshkonong |  |  |  |  |  |
| U16-10  | Lake Koshkonong |  |  |  |  |  |
| U16-11  | Lake Koshkonong |  |  |  |  |  |
| U16-12  | Lake Koshkonong |  |  |  |  |  |
| U16-13  | Lake Koshkonong |  |  |  |  |  |
| U16-14  | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|----------------------|---------------|---------------|-------------|
| U16-15  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| U16-16  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| U16-17  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-18  | Lake Koshkonong | Medium      | Partial      | Indeterminate       | Manufacturing Debris | Asymmetrical  | N/A           | Square      |
| U16-19  | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A           | N/A         |
| U16-20  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Square      |
| U16-21  | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A           | N/A         |
| U16-22  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| U16-23  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Rounded       | Square      |
| U16-24  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Square      |
| U16-25  | Lake Koshkonong | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A           | Square      |
| U16-26  | Lake Koshkonong | Heavy       | Partial      | Distal              | Bladed               | Indeterminate | Pointed       | Triangular  |
| U16-27  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed              | Asymmetrical  | N/A           | Round       |
| U16-28  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-29  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-30  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed              | Asymmetrical  | Rounded       | Round       |
| U16-31  | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed              | Asymmetrical  | Pointed       | Round       |
| U16-32  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| U16-33  | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| U16-34  | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U16-35  | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| U16-36  | Lake Koshkonong | Medium      | Partial      | Distal              | Bladed               | Indeterminate | Pointed       | Triangular  |
| U16-37  | Lake Koshkonong | Medium      | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A           | Sheet       |
| U16-38  | Lake Koshkonong | Medium      | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A           | Rectangular |
| K1-1    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-3    | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| K1-4    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Round       |
| K1-5    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-6    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-7    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-8    | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | Indeterminate | Square      |
| K1-9    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-10   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded       | Rectangular |



| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|---------------|---------------|--------|-----------|
| U16-15  | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed       | 1      | 0         |
| U16-16  | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| U16-17  | Lake Koshkonong | S              | < 90         | Absent       | Rod            | Round         | Pointed       | 1 or 2 | 0         |
| U16-18  | Lake Koshkonong | Coil           | > 90         | N/A          | N/A            | Square        | N/A           | 0      | 0         |
| U16-19  | Lake Koshkonong | N/A            | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| U16-20  | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| U16-21  | Lake Koshkonong | N/A            | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| U16-22  | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round         | Rounded       | 1      | 0         |
| U16-23  | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| U16-24  | Lake Koshkonong | Curvate Rod    | > 90         | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| U16-25  | Lake Koshkonong | Irregular      | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| U16-26  | Lake Koshkonong | Triangular     | N/A          | N/A          | N/A            | N/A           | N/A           | 3      | 2         |
| U16-27  | Lake Koshkonong | C              | > 90         | Absent       | Rod            | Round         | N/A           | 1      | 0         |
| U16-28  | Lake Koshkonong | K              | > 90         | Absent       | Rod            | Round         | Rounded       | 1      | 0         |
| U16-29  | Lake Koshkonong | C              | > 90         | Absent       | Curvate Rod    | Round         | N/A           | 1      | 0         |
| U16-30  | Lake Koshkonong | K or G         | > 90         | Present      | Groove         | Round         | N/A           | 1      | 0         |
| U16-31  | Lake Koshkonong | K              | > 90         | Absent       | Rod            | Round         | N/A           | 1      | 0         |
| U16-32  | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| U16-33  | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| U16-34  | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| U16-35  | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed       | 1      | 0         |
| U16-36  | Lake Koshkonong | Triangular     | N/A          | N/A          | N/A            | N/A           | N/A           | 3      | 2         |
| U16-37  | Lake Koshkonong | Sub-Triangular | N/A          | N/A          | N/A            | N/A           | N/A           | 0      | 0         |
| U16-38  | Lake Koshkonong | Sub-Triangular | N/A          | N/A          | N/A            | Sheet         | N/A           | 0      | 0         |
| K1-1    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Indeterminate | 1      | 0         |
| K1-3    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Indeterminate | Pointed       | 1 or 2 | 0         |
| K1-4    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round         | Rounded       | 1 or 2 | 0         |
| K1-5    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Pointed       | 1 or 2 | 0         |
| K1-6    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| K1-7    | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Square        | Rounded       | 1      | 0         |
| K1-8    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Rounded       | 1      | 0         |
| K1-9    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular   | Rounded       | 1      | 0         |
| K1-10   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square        | Rounded       | 1 or 2 | 1         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| U16-15  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| U16-16  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-17  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| U16-18  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-19  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-20  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Split    | None     |
| U16-21  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-22  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| U16-23  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U16-24  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U16-25  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-26  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | Cut       | Broken   | None     |
| U16-27  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-28  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-29  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-30  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| U16-31  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-32  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| U16-33  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-34  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| U16-35  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| U16-36  | Lake Koshkonong | None     | Absent      | N/A             | Absent | Refined    | None      | None      | Broken   | None     |
| U16-37  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| U16-38  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-1    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K1-3    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| K1-4    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-5    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-6    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-7    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-8    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| K1-9    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| K1-10   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair | Type Repair | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|--------|-------------|--------|-------|-----------|--------|
| U16-15  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 51.68  | 5.85  | 4.3       | 3.67   |
| U16-16  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 72.89  | 4.31  | 2.67      | 3.67   |
| U16-17  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 8.55   | 3.7   | 3.65      | 3.2    |
| U16-18  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 88.49  | 3.33  | 2.58      | 5.13   |
| U16-19  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 50.98  | 20.04 | 4.57      | 14.93  |
| U16-20  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 97.18  | 8.91  | 5.7       | 13.81  |
| U16-21  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 62.54  | 10.82 | 6.09      | 6.96   |
| U16-22  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 65.51  | 3.78  | 3.51      | 4.31   |
| U16-23  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 65.24  | 4.87  | 3.99      | 5.92   |
| U16-24  | Lake Koshkonong | Cut       | 1         | Yes        | Absent | N/A         | 56.65  | 34.64 | 3.88      | 1.28   |
| U16-25  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 25.47  | 6.84  | 2.25      | 0.44   |
| U16-26  | Lake Koshkonong | None      | 2         | Yes        | Absent | N/A         | 34.63  | 16.56 | 3.37      | 4.3    |
| U16-27  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 25.41  | 20.87 | 1.7       | 0.66   |
| U16-28  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 29.4   | 20.18 | 2.85      | 1.18   |
| U16-29  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 38.83  | 30.52 | 2.41      | 1.45   |
| U16-30  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 20.88  | 18.46 | 2.13      | 0.67   |
| U16-31  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 36.28  | 43.13 | 4.45      | 5.97   |
| U16-32  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 31.94  | 10.26 | 9.17      | 5.76   |
| U16-33  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 63.7   | 13.71 | 9.6       | 23.72  |
| U16-34  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 81.89  | 14.98 | 11.77     | 26.23  |
| U16-35  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 74.24  | 17    | 11.3      | 31.74  |
| U16-36  | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 52.2   | 19.72 | 4.7       | 15.13  |
| U16-37  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 55.61  | 27.8  | 1.83      | 10.13  |
| U16-38  | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 51.88  | 17.51 | 5.16      | 11.23  |
| K1-1    | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 55.5   | 3.17  | 2.93      | 1.3    |
| K1-3    | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 60.57  | 3.51  | 3.26      | 2.29   |
| K1-4    | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 72.33  | 5.48  | 5.07      | 7.49   |
| K1-5    | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 72.31  | 4.74  | 3.69      | 4.06   |
| K1-6    | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 63.46  | 5.08  | 4.37      | 3.9    |
| K1-7    | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 66.83  | 6.99  | 4.34      | 4.72   |
| K1-8    | Lake Koshkonong | Crushed   | 2         | Yes        | Absent | N/A         | 63.22  | 6.9   | 5.34      | 6.47   |
| K1-9    | Lake Koshkonong | None      | 1         | Yes        | Absent | N/A         | 61.54  | 6.1   | 4.18      | 5.76   |
| K1-10   | Lake Koshkonong | None      | 0         | No         | Absent | N/A         | 58.33  | 3.74  | 4.38      | 3.81   |

| Cat Num | Provenience     | Morpho-Functional Type    | Wittry Type |
|---------|-----------------|---------------------------|-------------|
| U16-15  | Lake Koshkonong | Projectile Point          | I-L/N/O     |
| U16-16  | Lake Koshkonong | Perforator                | IV          |
| U16-17  | Lake Koshkonong | Perforator                | IV          |
| U16-18  | Lake Koshkonong | Bead manufacturing debris |             |
| U16-19  | Lake Koshkonong | Unknown                   |             |
| U16-20  | Lake Koshkonong | Perforator                | IV          |
| U16-21  | Lake Koshkonong | Unknown                   |             |
| U16-22  | Lake Koshkonong | Perforator                | IV-B        |
| U16-23  | Lake Koshkonong | Perforator                | IV          |
| U16-24  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-25  | Lake Koshkonong | Unknown                   |             |
| U16-26  | Lake Koshkonong | Knife/Projectile Point    |             |
| U16-27  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-28  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-29  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-30  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-31  | Lake Koshkonong | Fish Hook                 | VII         |
| U16-32  | Lake Koshkonong | Projectile Point          | I-L/N/O     |
| U16-33  | Lake Koshkonong | Projectile Point          | I-L/N/O     |
| U16-34  | Lake Koshkonong | Projectile Point          | I-L/N/O     |
| U16-35  | Lake Koshkonong | Projectile Point          | I-L/N/O     |
| U16-36  | Lake Koshkonong | Knife/Projectile Point    |             |
| U16-37  | Lake Koshkonong | Unknown                   |             |
| U16-38  | Lake Koshkonong | Unknown                   |             |
| K1-1    | Lake Koshkonong | Perforator                | IV          |
| K1-3    | Lake Koshkonong | Perforator                | IV          |
| K1-4    | Lake Koshkonong | Unknown                   |             |
| K1-5    | Lake Koshkonong | Perforator                | IV-A        |
| K1-6    | Lake Koshkonong | Perforator                | IV          |
| K1-7    | Lake Koshkonong | Perforator                | IV          |
| K1-8    | Lake Koshkonong | Perforator                | IV          |
| K1-9    | Lake Koshkonong | Perforator                | IV          |
| K1-10   | Lake Koshkonong | Chisel                    |             |

| Cat Num | Provenience     | Comments  |
|---------|-----------------|---|
| U16-15  | Lake Koshkonong |   |
| U16-16  | Lake Koshkonong | silver plating on proximal end                                    |
| U16-17  | Lake Koshkonong |   |
| U16-18  | Lake Koshkonong |   |
| U16-19  | Lake Koshkonong | I'm skeptical of this as authentic OCC                            |
| U16-20  | Lake Koshkonong | Welding split   |
| U16-21  | Lake Koshkonong |   |
| U16-22  | Lake Koshkonong |   |
| U16-23  | Lake Koshkonong |   |
| U16-24  | Lake Koshkonong |   |
| U16-25  | Lake Koshkonong |   |
| U16-26  | Lake Koshkonong |   |
| U16-27  | Lake Koshkonong |   |
| U16-28  | Lake Koshkonong |   |
| U16-29  | Lake Koshkonong |   |
| U16-30  | Lake Koshkonong |   |
| U16-31  | Lake Koshkonong |   |
| U16-32  | Lake Koshkonong |   |
| U16-33  | Lake Koshkonong |   |
| U16-34  | Lake Koshkonong | manufacturing scratches   |
| U16-35  | Lake Koshkonong | manufacturing scratches   |
| U16-36  | Lake Koshkonong | Several evidences of manufacturing; hammer marks, cut, edge gouge |
| U16-37  | Lake Koshkonong |   |
| U16-38  | Lake Koshkonong |   |
| K1-1    | Lake Koshkonong |   |
| K1-3    | Lake Koshkonong |   |
| K1-4    | Lake Koshkonong |   |
| K1-5    | Lake Koshkonong |   |
| K1-6    | Lake Koshkonong |   |
| K1-7    | Lake Koshkonong |   |
| K1-8    | Lake Koshkonong |   |
| K1-9    | Lake Koshkonong |   |
| K1-10   | Lake Koshkonong | Very small chisel blade   |

| Cat Num | Provenience     |  |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|--|
| U16-15  | Lake Koshkonong |  |  |  |  |  |  |
| U16-16  | Lake Koshkonong |  |  |  |  |  |  |
| U16-17  | Lake Koshkonong |  |  |  |  |  |  |
| U16-18  | Lake Koshkonong |  |  |  |  |  |  |
| U16-19  | Lake Koshkonong |  |  |  |  |  |  |
| U16-20  | Lake Koshkonong |  |  |  |  |  |  |
| U16-21  | Lake Koshkonong |  |  |  |  |  |  |
| U16-22  | Lake Koshkonong |  |  |  |  |  |  |
| U16-23  | Lake Koshkonong |  |  |  |  |  |  |
| U16-24  | Lake Koshkonong |  |  |  |  |  |  |
| U16-25  | Lake Koshkonong |  |  |  |  |  |  |
| U16-26  | Lake Koshkonong |  |  |  |  |  |  |
| U16-27  | Lake Koshkonong |  |  |  |  |  |  |
| U16-28  | Lake Koshkonong |  |  |  |  |  |  |
| U16-29  | Lake Koshkonong |  |  |  |  |  |  |
| U16-30  | Lake Koshkonong |  |  |  |  |  |  |
| U16-31  | Lake Koshkonong |  |  |  |  |  |  |
| U16-32  | Lake Koshkonong |  |  |  |  |  |  |
| U16-33  | Lake Koshkonong |  |  |  |  |  |  |
| U16-34  | Lake Koshkonong |  |  |  |  |  |  |
| U16-35  | Lake Koshkonong |  |  |  |  |  |  |
| U16-36  | Lake Koshkonong |  |  |  |  |  |  |
| U16-37  | Lake Koshkonong |  |  |  |  |  |  |
| U16-38  | Lake Koshkonong |  |  |  |  |  |  |
| K1-1    | Lake Koshkonong |  |  |  |  |  |  |
| K1-3    | Lake Koshkonong |  |  |  |  |  |  |
| K1-4    | Lake Koshkonong |  |  |  |  |  |  |
| K1-5    | Lake Koshkonong |  |  |  |  |  |  |
| K1-6    | Lake Koshkonong |  |  |  |  |  |  |
| K1-7    | Lake Koshkonong |  |  |  |  |  |  |
| K1-8    | Lake Koshkonong |  |  |  |  |  |  |
| K1-9    | Lake Koshkonong |  |  |  |  |  |  |
| K1-10   | Lake Koshkonong |  |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|---------------|-------------|
| K1-11   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-12   | Lake Koshkonong | Medium      | Whole        | All                 | Preform         | Symmetrical  | Rounded       | Rectangular |
| K1-13   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Symmetrical  | Indeterminate | Round       |
| K1-14   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-15   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Rounded       | Square      |
| K1-16   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Flat          | Rectangular |
| K1-17   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Rectangular |
| K1-18   | Lake Koshkonong | Heavy       | Partial      | Distal              | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-19   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-20   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-21   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Symmetrical  | N/A           | Rectangular |
| K1-22   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-23   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-24   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-25   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A           | Round       |
| K1-26   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-27   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-28   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Bladed          | Symmetrical  | Rounded       | Rectangular |
| K1-29   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-30   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Sheet       |
| K1-31   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-32   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed       | Square      |
| K1-33   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-34   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-35   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-36   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-37   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |
| K1-38   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Symmetrical  | N/A           | Round       |
| K1-39   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-40   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Square      |
| K1-41   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-42   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Rectangular |
| K1-43   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed       | Round       |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element  | Proximal Shape | Prox X-sect | Prox Morph    | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|---------------|----------------|-------------|---------------|--------|-----------|
| K1-11   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| K1-12   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Rounded       | 0      | 0         |
| K1-13   | Lake Koshkonong | Rod            | N/A          | N/A           | N/A            | Round       | N/A           | 1 or 2 | 0         |
| K1-14   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-15   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1 or 2 | 0         |
| K1-16   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |
| K1-17   | Lake Koshkonong | Crescent       | < 90         | Absent        | Curvate Rod    | Rectangular | Flat          | 1      | 0         |
| K1-18   | Lake Koshkonong | Rod            | N/A          | N/A           | N/A            | N/A         | N/A           | 1      | 0         |
| K1-19   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-20   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | N/A           | 1      | 0         |
| K1-21   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Indeterminate | 1 or 2 | 0         |
| K1-22   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Rounded       | 1      | 0         |
| K1-23   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-24   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-25   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-26   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-27   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-28   | Lake Koshkonong | Sub-Triangular | N/A          | Indeterminate | Rod            | Rectangular | N/A           | 1 or 2 | 0         |
| K1-29   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| K1-30   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Rectangular    | Sheet       | Rounded       | 1      | 0         |
| K1-31   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Rounded       | 1      | 0         |
| K1-32   | Lake Koshkonong | Rod            | N/A          | Present       | Hook           | Square      | Rounded       | 1      | 0         |
| K1-33   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| K1-34   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Pointed       | 1 or 2 | 0         |
| K1-35   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Square      | Rounded       | 1      | 0         |
| K1-36   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Sub-Triangular | Rectangular | Pointed       | 1 or 2 | 0         |
| K1-37   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | Rounded       | 1      | 0         |
| K1-38   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Round       | N/A           | 1 or 2 | 0         |
| K1-39   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Flat          | 1      | 0         |
| K1-40   | Lake Koshkonong | Curvate Rod    | N/A          | Absent        | Sub-Triangular | Square      | Pointed       | 1 or 2 | 0         |
| K1-41   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |
| K1-42   | Lake Koshkonong | Rod            | N/A          | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |
| K1-43   | Lake Koshkonong | Sub-Triangular | N/A          | Absent        | Rod            | Rectangular | Rounded       | 1      | 0         |



| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| K1-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K1-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | Bend     | None     |
| K1-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | None     | None     |
| K1-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | Broken    | None     | None     |
| K1-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-21   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-24   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K1-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-26   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K1-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | Bend     | None     |
| K1-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K1-30   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | Bend     |
| K1-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | Bend      | None     | None     |
| K1-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| K1-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-36   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-37   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| K1-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-39   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K1-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K1-42   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| K1-43   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| K1-11   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.39  | 7.25  | 6.87      | 6.92   |
| K1-12   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 58.67  | 5.92  | 3.3       | 4.74   |
| K1-13   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 58.1   | 2.3   | 2.28      | 0.9    |
| K1-14   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 73.63  | 3.41  | 3.08      | 2.78   |
| K1-15   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 42.8   | 4.4   | 3.78      | 3.43   |
| K1-16   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 41.49  | 4.53  | 3.56      | 3.35   |
| K1-17   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 59.24  | 6.5   | 3         | 4.4    |
| K1-18   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 24.84  | 4.87  | 3.03      | 1.22   |
| K1-19   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 49.65  | 4.61  | 3.68      | 3.84   |
| K1-20   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 60.58  | 2.91  | 2.56      | 1.45   |
| K1-21   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 47.59  | 7.07  | 2.35      | 2.28   |
| K1-22   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 47.42  | 4.28  | 2.76      | 2.38   |
| K1-23   | Lake Koshkonong | Split     | 1         | Yes        | Absent  | N/A          | 46.28  | 4.49  | 3.38      | 3.12   |
| K1-24   | Lake Koshkonong | Lipped    | 2         | Yes        | Absent  | N/A          | 55.5   | 4.13  | 4.1       | 3.59   |
| K1-25   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 44.87  | 3.15  | 2.94      | 1.57   |
| K1-26   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 42.91  | 3.7   | 3.2       | 1.89   |
| K1-27   | Lake Koshkonong | Bend      | 2         | Yes        | Absent  | N/A          | 54.46  | 3.1   | 2.6       | 1.82   |
| K1-28   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 39.44  | 4.2   | 3.18      | 2.33   |
| K1-29   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 49.41  | 3.87  | 3.03      | 1.67   |
| K1-30   | Lake Koshkonong | None      | 3         | Yes        | Present | Restraighten | 60.12  | 7.47  | 1.85      | 2.18   |
| K1-31   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 62.32  | 5.63  | 4.22      | 6.73   |
| K1-32   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 74.3   | 4.19  | 3.37      | 3.8    |
| K1-33   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 77.9   | 3.47  | 2.38      | 2.55   |
| K1-34   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 80.01  | 9.78  | 1.97      | 5.3    |
| K1-35   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 85.67  | 5.2   | 4.89      | 11.18  |
| K1-36   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 101.75 | 6.31  | 3.6       | 7.86   |
| K1-37   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 94.47  | 2.51  | 1.83      | 1.96   |
| K1-38   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 85.51  | 5.66  | 4.88      | 8.21   |
| K1-39   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 72.19  | 4.04  | 2.89      | 3.52   |
| K1-40   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 57.69  | 4.04  | 3.18      | 3.09   |
| K1-41   | Lake Koshkonong | Bend      | 1         | Yes        | Present | Reshaped     | 49.61  | 5.01  | 3.3       | 2.87   |
| K1-42   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 56.92  | 5.5   | 4.21      | 4.74   |
| K1-43   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 49.44  | 5.5   | 2.92      | 2.57   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| K1-11   | Lake Koshkonong | Perforator             | IV-B        |
| K1-12   | Lake Koshkonong | Preform                |             |
| K1-13   | Lake Koshkonong | Perforator             | IV          |
| K1-14   | Lake Koshkonong | Perforator             | IV          |
| K1-15   | Lake Koshkonong | Perforator             | IV          |
| K1-16   | Lake Koshkonong | Perforator             | IV          |
| K1-17   | Lake Koshkonong | Perforator             | IV          |
| K1-18   | Lake Koshkonong | Perforator             | IV          |
| K1-19   | Lake Koshkonong | Perforator             | IV          |
| K1-20   | Lake Koshkonong | Perforator             | IV          |
| K1-21   | Lake Koshkonong | Perforator             | IV          |
| K1-22   | Lake Koshkonong | Perforator             | IV          |
| K1-23   | Lake Koshkonong | Perforator             | IV          |
| K1-24   | Lake Koshkonong | Perforator             | IV          |
| K1-25   | Lake Koshkonong | Perforator             | IV          |
| K1-26   | Lake Koshkonong | Perforator             | IV          |
| K1-27   | Lake Koshkonong | Perforator             | IV          |
| K1-28   | Lake Koshkonong | Chisel                 |             |
| K1-29   | Lake Koshkonong | Perforator             | IV          |
| K1-30   | Lake Koshkonong | Unknown                |             |
| K1-31   | Lake Koshkonong | Perforator             | IV          |
| K1-32   | Lake Koshkonong | Perforator             | IV          |
| K1-33   | Lake Koshkonong | Perforator             | IV          |
| K1-34   | Lake Koshkonong | Perforator             | IV          |
| K1-35   | Lake Koshkonong | Perforator             | IV          |
| K1-36   | Lake Koshkonong | Perforator             | IV-A        |
| K1-37   | Lake Koshkonong | Perforator             | IV          |
| K1-38   | Lake Koshkonong | Perforator             | IV          |
| K1-39   | Lake Koshkonong | Perforator             | IV          |
| K1-40   | Lake Koshkonong | Perforator             | IV          |
| K1-41   | Lake Koshkonong | Perforator             | IV          |
| K1-42   | Lake Koshkonong | Perforator             | IV          |
| K1-43   | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments                     |
|---------|-----------------|------------------------------|
| K1-11   | Lake Koshkonong |                              |
| K1-12   | Lake Koshkonong |                              |
| K1-13   | Lake Koshkonong |                              |
| K1-14   | Lake Koshkonong |                              |
| K1-15   | Lake Koshkonong |                              |
| K1-16   | Lake Koshkonong |                              |
| K1-17   | Lake Koshkonong |                              |
| K1-18   | Lake Koshkonong |                              |
| K1-19   | Lake Koshkonong |                              |
| K1-20   | Lake Koshkonong |                              |
| K1-21   | Lake Koshkonong |                              |
| K1-22   | Lake Koshkonong |                              |
| K1-23   | Lake Koshkonong | Welding split                |
| K1-24   | Lake Koshkonong |                              |
| K1-25   | Lake Koshkonong |                              |
| K1-26   | Lake Koshkonong |                              |
| K1-27   | Lake Koshkonong |                              |
| K1-28   | Lake Koshkonong |                              |
| K1-29   | Lake Koshkonong |                              |
| K1-30   | Lake Koshkonong |                              |
| K1-31   | Lake Koshkonong |                              |
| K1-32   | Lake Koshkonong |                              |
| K1-33   | Lake Koshkonong |                              |
| K1-34   | Lake Koshkonong | Type for diamond shaped awls |
| K1-35   | Lake Koshkonong |                              |
| K1-36   | Lake Koshkonong |                              |
| K1-37   | Lake Koshkonong |                              |
| K1-38   | Lake Koshkonong |                              |
| K1-39   | Lake Koshkonong |                              |
| K1-40   | Lake Koshkonong |                              |
| K1-41   | Lake Koshkonong |                              |
| K1-42   | Lake Koshkonong |                              |
| K1-43   | Lake Koshkonong |                              |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| K1-11   | Lake Koshkonong |  |  |  |  |  |
| K1-12   | Lake Koshkonong |  |  |  |  |  |
| K1-13   | Lake Koshkonong |  |  |  |  |  |
| K1-14   | Lake Koshkonong |  |  |  |  |  |
| K1-15   | Lake Koshkonong |  |  |  |  |  |
| K1-16   | Lake Koshkonong |  |  |  |  |  |
| K1-17   | Lake Koshkonong |  |  |  |  |  |
| K1-18   | Lake Koshkonong |  |  |  |  |  |
| K1-19   | Lake Koshkonong |  |  |  |  |  |
| K1-20   | Lake Koshkonong |  |  |  |  |  |
| K1-21   | Lake Koshkonong |  |  |  |  |  |
| K1-22   | Lake Koshkonong |  |  |  |  |  |
| K1-23   | Lake Koshkonong |  |  |  |  |  |
| K1-24   | Lake Koshkonong |  |  |  |  |  |
| K1-25   | Lake Koshkonong |  |  |  |  |  |
| K1-26   | Lake Koshkonong |  |  |  |  |  |
| K1-27   | Lake Koshkonong |  |  |  |  |  |
| K1-28   | Lake Koshkonong |  |  |  |  |  |
| K1-29   | Lake Koshkonong |  |  |  |  |  |
| K1-30   | Lake Koshkonong |  |  |  |  |  |
| K1-31   | Lake Koshkonong |  |  |  |  |  |
| K1-32   | Lake Koshkonong |  |  |  |  |  |
| K1-33   | Lake Koshkonong |  |  |  |  |  |
| K1-34   | Lake Koshkonong |  |  |  |  |  |
| K1-35   | Lake Koshkonong |  |  |  |  |  |
| K1-36   | Lake Koshkonong |  |  |  |  |  |
| K1-37   | Lake Koshkonong |  |  |  |  |  |
| K1-38   | Lake Koshkonong |  |  |  |  |  |
| K1-39   | Lake Koshkonong |  |  |  |  |  |
| K1-40   | Lake Koshkonong |  |  |  |  |  |
| K1-41   | Lake Koshkonong |  |  |  |  |  |
| K1-42   | Lake Koshkonong |  |  |  |  |  |
| K1-43   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph    | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|----------------------|---------------|---------------|-------------|
| K1-44   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-45   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-46   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-47   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-48   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-49   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-50   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| K1-51   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-52   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Indeterminate        | Indeterminate | Indeterminate | N/A         |
| K1-53   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-54   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-55   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A           | Round       |
| K1-56   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-57   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Rectangular |
| K1-58   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| K1-59   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Manufacturing Debris | Indeterminate | Pointed       | Rectangular |
| K1-60   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| K1-61   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Round       |
| K1-62   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-63   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Round       |
| K1-64   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-65   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-66   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-67   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Square      |
| K1-68   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Square      |
| K1-69   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-70   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Rectangular |
| K1-71   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed       | Rectangular |
| K1-72   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A           | Round       |
| K1-73   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A           | Square      |
| K1-74   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | N/A           | Round       |
| K1-75   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Rounded       | Square      |
| K1-76   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed       | Square      |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| K1-44   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Square      | Rounded    | 1      | 0         |
| K1-45   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-46   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K1-47   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-48   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-49   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-50   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K1-51   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | Square      | N/A        | 1      | 0         |
| K1-52   | Lake Koshkonong | N/A            | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| K1-53   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-54   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| K1-55   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K1-56   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1      | 0         |
| K1-57   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1 or 2 | 0         |
| K1-58   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| K1-59   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | Rectangular | N/A        | 1      | 0         |
| K1-60   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K1-61   | Lake Koshkonong | Curvate Rod    | < 90         | Present      | Socket         | Angular     | Pointed    | 1      | 0         |
| K1-62   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-63   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Flat       | 1      | 0         |
| K1-64   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| K1-65   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| K1-66   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| K1-67   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-68   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-69   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K1-70   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1 or 2 | 0         |
| K1-71   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K1-72   | Lake Koshkonong | Rod            | N/A          | Present      | Bulb           | Round       | Rounded    | 1      | 0         |
| K1-73   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K1-74   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| K1-75   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K1-76   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1  | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|-----------|----------|
| K1-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None      | None     |
| K1-46   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K1-47   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Flattened | None     |
| K1-48   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-50   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend      | None     |
| K1-51   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken    | None     |
| K1-52   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-53   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-55   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend      | None     |
| K1-56   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None      | None     |
| K1-57   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Split     | None      | None      | None     |
| K1-58   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K1-59   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-60   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-61   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-62   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None      | None     |
| K1-63   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-64   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None      | None     |
| K1-65   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-66   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-67   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-68   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K1-69   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K1-70   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None      | None     |
| K1-71   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None      | None     |
| K1-72   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend      | None     |
| K1-73   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Smashed   | None     |
| K1-74   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None      | None     |
| K1-75   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | Bend      | None     |
| K1-76   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None      | None     |



| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| K1-44   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 67.16  | 6.66  | 5.23      | 9.24   |
| K1-45   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 59.08  | 4.83  | 4.11      | 6.08   |
| K1-46   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 57.61  | 3.33  | 2.47      | 2.01   |
| K1-47   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 64.5   | 2.92  | 2.43      | 2.19   |
| K1-48   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 40.94  | 3.87  | 3.57      | 2.07   |
| K1-49   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 49.12  | 3.86  | 2.63      | 1.37   |
| K1-50   | Lake Koshkonong | Lipped    | 2         | Yes        | Absent  | N/A          | 44.32  | 4.07  | 3.73      | 2.29   |
| K1-51   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 39.43  | 2.8   | 2.82      | 1.19   |
| K1-52   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 44.92  | 5.75  | 3.8       | 0.8    |
| K1-53   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 38.59  | 2.95  | 2.72      | 1.27   |
| K1-54   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.49  | 3.4   | 1.13      | 1.04   |
| K1-55   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 40.61  | 2.61  | 2.21      | 0.95   |
| K1-56   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 42.67  | 4.36  | 4.34      | 3.38   |
| K1-57   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 47.07  | 5.11  | 4.12      | 3.38   |
| K1-58   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 51.8   | 2.93  | 2.88      | 1.46   |
| K1-59   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 61.78  | 4.77  | 2.35      | 2.29   |
| K1-60   | Lake Koshkonong | Split     | 1         | Yes        | Absent  | N/A          | 27.33  | 3.36  | 3.01      | 1.1    |
| K1-61   | Lake Koshkonong | None      | 0         | No         | Present | Reshaped     | 54.21  | 9.74  | 6.45      | 6.68   |
| K1-62   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 49.94  | 4.94  | 3.95      | 3.24   |
| K1-63   | Lake Koshkonong | Flattened | 1         | Yes        | Absent  | N/A          | 41.28  | 3.21  | 2.52      | 1.74   |
| K1-64   | Lake Koshkonong | Bend      | 2         | Yes        | Absent  | N/A          | 46.55  | 5.84  | 4.22      | 3.57   |
| K1-65   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 38.87  | 4.38  | 2.83      | 1.21   |
| K1-66   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 42.39  | 3.24  | 1.89      | 0.78   |
| K1-67   | Lake Koshkonong | Lipped    | 1         | Yes        | Absent  | N/A          | 51.22  | 6.76  | 4.27      | 6.19   |
| K1-68   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 33.68  | 3.53  | 3.55      | 2.24   |
| K1-69   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 41.42  | 6.66  | 4.4       | 3.95   |
| K1-70   | Lake Koshkonong | Split     | 2         | Yes        | Absent  | N/A          | 58.06  | 6.44  | 4.49      | 7.18   |
| K1-71   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 39.14  | 4.37  | 2.09      | 1.84   |
| K1-72   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 46.57  | 3.09  | 2.89      | 1.18   |
| K1-73   | Lake Koshkonong | Bend      | 2         | Yes        | Absent  | N/A          | 39.87  | 4.34  | 2.79      | 1.37   |
| K1-74   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 52.71  | 4.15  | 3.25      | 2.58   |
| K1-75   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 60.28  | 6.47  | 5.24      | 8.96   |
| K1-76   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 61.31  | 4.97  | 4.13      | 1.42   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| K1-44   | Lake Koshkonong | Perforator             | IV          |
| K1-45   | Lake Koshkonong | Perforator             | IV          |
| K1-46   | Lake Koshkonong | Perforator             | IV          |
| K1-47   | Lake Koshkonong | Perforator             | IV          |
| K1-48   | Lake Koshkonong | Perforator             | IV          |
| K1-49   | Lake Koshkonong | Perforator             | IV          |
| K1-50   | Lake Koshkonong | Perforator             | IV          |
| K1-51   | Lake Koshkonong | Perforator             | IV          |
| K1-52   | Lake Koshkonong | Fragment               |             |
| K1-53   | Lake Koshkonong | Perforator             | IV          |
| K1-54   | Lake Koshkonong | Perforator             | IV          |
| K1-55   | Lake Koshkonong | Perforator             | IV          |
| K1-56   | Lake Koshkonong | Perforator             | IV          |
| K1-57   | Lake Koshkonong | Perforator             | IV          |
| K1-58   | Lake Koshkonong | Perforator             | IV          |
| K1-59   | Lake Koshkonong | Unknown                |             |
| K1-60   | Lake Koshkonong | Perforator             | IV          |
| K1-61   | Lake Koshkonong | Unknown                |             |
| K1-62   | Lake Koshkonong | Perforator             | IV          |
| K1-63   | Lake Koshkonong | Perforator             | IV          |
| K1-64   | Lake Koshkonong | Perforator             | IV          |
| K1-65   | Lake Koshkonong | Perforator             | IV          |
| K1-66   | Lake Koshkonong | Perforator             | IV          |
| K1-67   | Lake Koshkonong | Perforator             | IV          |
| K1-68   | Lake Koshkonong | Perforator             | IV          |
| K1-69   | Lake Koshkonong | Perforator             | IV          |
| K1-70   | Lake Koshkonong | Perforator             | IV          |
| K1-71   | Lake Koshkonong | Perforator             | IV          |
| K1-72   | Lake Koshkonong | Perforator             | IV          |
| K1-73   | Lake Koshkonong | Perforator             | IV          |
| K1-74   | Lake Koshkonong | Perforator             | IV          |
| K1-75   | Lake Koshkonong | Perforator             | IV          |
| K1-76   | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments                  |
|---------|-----------------|---------------------------|
| K1-44   | Lake Koshkonong |                           |
| K1-45   | Lake Koshkonong |                           |
| K1-46   | Lake Koshkonong |                           |
| K1-47   | Lake Koshkonong |                           |
| K1-48   | Lake Koshkonong |                           |
| K1-49   | Lake Koshkonong |                           |
| K1-50   | Lake Koshkonong |                           |
| K1-51   | Lake Koshkonong |                           |
| K1-52   | Lake Koshkonong |                           |
| K1-53   | Lake Koshkonong |                           |
| K1-54   | Lake Koshkonong |                           |
| K1-55   | Lake Koshkonong |                           |
| K1-56   | Lake Koshkonong |                           |
| K1-57   | Lake Koshkonong | Welding split             |
| K1-58   | Lake Koshkonong |                           |
| K1-59   | Lake Koshkonong |                           |
| K1-60   | Lake Koshkonong |                           |
| K1-61   | Lake Koshkonong | Repurposed conical point? |
| K1-62   | Lake Koshkonong |                           |
| K1-63   | Lake Koshkonong |                           |
| K1-64   | Lake Koshkonong |                           |
| K1-65   | Lake Koshkonong |                           |
| K1-66   | Lake Koshkonong |                           |
| K1-67   | Lake Koshkonong |                           |
| K1-68   | Lake Koshkonong |                           |
| K1-69   | Lake Koshkonong |                           |
| K1-70   | Lake Koshkonong | Welding split             |
| K1-71   | Lake Koshkonong |                           |
| K1-72   | Lake Koshkonong |                           |
| K1-73   | Lake Koshkonong |                           |
| K1-74   | Lake Koshkonong |                           |
| K1-75   | Lake Koshkonong |                           |
| K1-76   | Lake Koshkonong |                           |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| K1-44   | Lake Koshkonong |  |  |  |  |  |
| K1-45   | Lake Koshkonong |  |  |  |  |  |
| K1-46   | Lake Koshkonong |  |  |  |  |  |
| K1-47   | Lake Koshkonong |  |  |  |  |  |
| K1-48   | Lake Koshkonong |  |  |  |  |  |
| K1-49   | Lake Koshkonong |  |  |  |  |  |
| K1-50   | Lake Koshkonong |  |  |  |  |  |
| K1-51   | Lake Koshkonong |  |  |  |  |  |
| K1-52   | Lake Koshkonong |  |  |  |  |  |
| K1-53   | Lake Koshkonong |  |  |  |  |  |
| K1-54   | Lake Koshkonong |  |  |  |  |  |
| K1-55   | Lake Koshkonong |  |  |  |  |  |
| K1-56   | Lake Koshkonong |  |  |  |  |  |
| K1-57   | Lake Koshkonong |  |  |  |  |  |
| K1-58   | Lake Koshkonong |  |  |  |  |  |
| K1-59   | Lake Koshkonong |  |  |  |  |  |
| K1-60   | Lake Koshkonong |  |  |  |  |  |
| K1-61   | Lake Koshkonong |  |  |  |  |  |
| K1-62   | Lake Koshkonong |  |  |  |  |  |
| K1-63   | Lake Koshkonong |  |  |  |  |  |
| K1-64   | Lake Koshkonong |  |  |  |  |  |
| K1-65   | Lake Koshkonong |  |  |  |  |  |
| K1-66   | Lake Koshkonong |  |  |  |  |  |
| K1-67   | Lake Koshkonong |  |  |  |  |  |
| K1-68   | Lake Koshkonong |  |  |  |  |  |
| K1-69   | Lake Koshkonong |  |  |  |  |  |
| K1-70   | Lake Koshkonong |  |  |  |  |  |
| K1-71   | Lake Koshkonong |  |  |  |  |  |
| K1-72   | Lake Koshkonong |  |  |  |  |  |
| K1-73   | Lake Koshkonong |  |  |  |  |  |
| K1-74   | Lake Koshkonong |  |  |  |  |  |
| K1-75   | Lake Koshkonong |  |  |  |  |  |
| K1-76   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| K4-1    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| K4-2    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded    | Round       |
| K4-3    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| K4-4    | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| K4-5    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| K4-6    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Rounded    | Rectangular |
| K4-7    | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-8    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| K4-9    | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-10   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| K4-11   | Lake Koshkonong | Medium      | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Square      |
| K4-12   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| K4-13   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-14   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-15   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Symmetrical  | N/A        | Round       |
| K4-16   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-17   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A        | Round       |
| K4-18   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded    | Rectangular |
| K4-19   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Rectangular |
| K4-20   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| K4-21   | Lake Koshkonong | Very Heavy  | Partial      | Medial              | Pointed         | Symmetrical  | N/A        | Square      |
| K4-22   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-23   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-24   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Rounded    | Rectangular |
| K4-25   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Rounded    | Rectangular |
| K4-26   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Pointed    | Rectangular |
| K4-27   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| K4-28   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| K4-29   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| K4-30   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| K4-31   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Square      |
| K4-32   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Round       |
| K4-33   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Rounded    | Rectangular |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| K4-1    | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| K4-2    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1 or 2 | 0         |
| K4-3    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Pointed    | 1 or 2 | 0         |
| K4-4    | Lake Koshkonong | Oval           | N/A          | Absent       | Tab            | Rectangular | Rounded    | 1      | 1         |
| K4-5    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-6    | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-7    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-8    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-9    | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| K4-10   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-11   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | Square      | N/A        | 1      | 0         |
| K4-12   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-13   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-14   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | Round       | N/A        | 1      | 0         |
| K4-15   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | N/A        | 1      | 0         |
| K4-16   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| K4-17   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-18   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-19   | Lake Koshkonong | Rod            | N/A          | N/A          | N/A            | Rectangular | N/A        | 1      | 0         |
| K4-20   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-21   | Lake Koshkonong | Rod            | N/A          | N/A          | Rod            | Square      | N/A        | 1 or 2 | 0         |
| K4-22   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| K4-23   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-24   | Lake Koshkonong | Irregular      | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 1         |
| K4-25   | Lake Koshkonong | Spiral         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-26   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Tab            | Rectangular | Rounded    | 1 or 2 | 1         |
| K4-27   | Lake Koshkonong | Rod            | N/A          | Present      | Loop           | Rectangular | Pointed    | 1      | 0         |
| K4-28   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Pointed    | 1      | 0         |
| K4-29   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-30   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Curvate Rod    | Square      | Flat       | 1      | 0         |
| K4-31   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-32   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-33   | Lake Koshkonong | Crescent       | < 90         | Absent       | Curvate Rod    | Rectangular | Rounded    | 1      | 0         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| K4-1    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| K4-2    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| K4-3    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | Bend      | None     | None     |
| K4-4    | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-5    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-6    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | Bend      | None     | None     |
| K4-7    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | Bend     | None     |
| K4-8    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K4-9    | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Bend     | None     |
| K4-10   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| K4-11   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Broken   | None     |
| K4-12   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-13   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-14   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| K4-15   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-16   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | Broken   | None     |
| K4-17   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| K4-18   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| K4-19   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Broken   |
| K4-20   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| K4-21   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Split    | None     |
| K4-22   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-23   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | Bend      | Bend     | None     |
| K4-24   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| K4-25   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Flattened | None      | None     | None     |
| K4-26   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | Polished  | None      | None     | None     |
| K4-27   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| K4-28   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-29   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-30   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-31   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| K4-32   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| K4-33   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| K4-1    | Lake Koshkonong | Bend      | 3         | Yes        | Absent  | N/A          | 97.33  | 4.72  | 3.46      | 4.97   |
| K4-2    | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 102.37 | 5.79  | 5.66      | 7.65   |
| K4-3    | Lake Koshkonong | None      | 2         | Yes        | Present | Restraighten | 100.79 | 3.65  | 2.28      | 3.25   |
| K4-4    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 110.49 | 8.12  | 3.12      | 12.09  |
| K4-5    | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 103.6  | 3.7   | 3.51      | 5.82   |
| K4-6    | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 116.87 | 4.74  | 2.09      | 4.61   |
| K4-7    | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 124.67 | 3.69  | 2.98      | 5.52   |
| K4-8    | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 107.61 | 3.36  | 1.6       | 3.17   |
| K4-9    | Lake Koshkonong | Bend      | 3         | Yes        | Present | Restraighten | 120.72 | 3.88  | 3.27      | 6.19   |
| K4-10   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 79.32  | 5.92  | 5.15      | 7.89   |
| K4-11   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 29.07  | 3.09  | 2.93      | 1.17   |
| K4-12   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 25.12  | 3.26  | 2.81      | 0.59   |
| K4-13   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 24.73  | 2.21  | 2.1       | 0.36   |
| K4-14   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 21.35  | 2.23  | 2.12      | 0.26   |
| K4-15   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 31.44  | 2.36  | 1.92      | 0.32   |
| K4-16   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 22.3   | 2.69  | 1.99      | 0.27   |
| K4-17   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 23.67  | 2.6   | 2.5       | 0.48   |
| K4-18   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 104.84 | 8.49  | 6.34      | 19.97  |
| K4-19   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 98.21  | 6.01  | 4.44      | 13.9   |
| K4-20   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 71.82  | 3.98  | 3.94      | 3.26   |
| K4-21   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 75.29  | 6.42  | 5.89      | 9.66   |
| K4-22   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 107.79 | 3.78  | 3.35      | 2.49   |
| K4-23   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 63.91  | 3.37  | 3.19      | 2.54   |
| K4-24   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 89.47  | 12.3  | 4.67      | 19.53  |
| K4-25   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 64.6   | 5.19  | 3.73      | 5.43   |
| K4-26   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 69.58  | 6.74  | 4.69      | 9.83   |
| K4-27   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 69.86  | 6.98  | 3.36      | 4.67   |
| K4-28   | Lake Koshkonong | None      | 0         | No         | Present | Resharpened  | 68.55  | 5.68  | 4.06      | 5.89   |
| K4-29   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 65.16  | 6.54  | 4.57      | 6.7    |
| K4-30   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 66.13  | 5.94  | 5.03      | 10.06  |
| K4-31   | Lake Koshkonong | Bend      | 1         | Yes        | Absent  | N/A          | 90.29  | 3.66  | 3.29      | 4.37   |
| K4-32   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 70.84  | 3     | 2.76      | 2.29   |
| K4-33   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 61.75  | 6.23  | 3.82      | 5.61   |



| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| K4-1    | Lake Koshkonong | Perforator             | IV          |
| K4-2    | Lake Koshkonong | Perforator             | IV          |
| K4-3    | Lake Koshkonong | Perforator             | IV          |
| K4-4    | Lake Koshkonong | Knife                  | II          |
| K4-5    | Lake Koshkonong | Perforator             | IV          |
| K4-6    | Lake Koshkonong | Perforator             | IV          |
| K4-7    | Lake Koshkonong | Perforator             | IV          |
| K4-8    | Lake Koshkonong | Perforator             | IV          |
| K4-9    | Lake Koshkonong | Perforator             | IV          |
| K4-10   | Lake Koshkonong | Perforator             | IV          |
| K4-11   | Lake Koshkonong | Perforator             | IV          |
| K4-12   | Lake Koshkonong | Perforator             | IV          |
| K4-13   | Lake Koshkonong | Perforator             | IV          |
| K4-14   | Lake Koshkonong | Perforator             | IV          |
| K4-15   | Lake Koshkonong | Perforator             | IV          |
| K4-16   | Lake Koshkonong | Perforator             | IV          |
| K4-17   | Lake Koshkonong | Perforator             | IV          |
| K4-18   | Lake Koshkonong | Perforator             | IV          |
| K4-19   | Lake Koshkonong | Perforator             | IV          |
| K4-20   | Lake Koshkonong | Perforator             | IV          |
| K4-21   | Lake Koshkonong | Perforator             | IV          |
| K4-22   | Lake Koshkonong | Perforator             | IV          |
| K4-23   | Lake Koshkonong | Perforator             | IV          |
| K4-24   | Lake Koshkonong | Chisel                 |             |
| K4-25   | Lake Koshkonong | Drill                  |             |
| K4-26   | Lake Koshkonong | Unknown                |             |
| K4-27   | Lake Koshkonong | Perforator             | IV          |
| K4-28   | Lake Koshkonong | Perforator             | IV          |
| K4-29   | Lake Koshkonong | Perforator             | IV          |
| K4-30   | Lake Koshkonong | Perforator             | IV          |
| K4-31   | Lake Koshkonong | Perforator             | IV          |
| K4-32   | Lake Koshkonong | Perforator             | IV          |
| K4-33   | Lake Koshkonong | Perforator             | IV          |

| Cat Num | Provenience     | Comments   |
|---------|-----------------|--|
| K4-1    | Lake Koshkonong |  |
| K4-2    | Lake Koshkonong |  |
| K4-3    | Lake Koshkonong |  |
| K4-4    | Lake Koshkonong |  |
| K4-5    | Lake Koshkonong |  |
| K4-6    | Lake Koshkonong |  |
| K4-7    | Lake Koshkonong |  |
| K4-8    | Lake Koshkonong |  |
| K4-9    | Lake Koshkonong |  |
| K4-10   | Lake Koshkonong |  |
| K4-11   | Lake Koshkonong |  |
| K4-12   | Lake Koshkonong |  |
| K4-13   | Lake Koshkonong |  |
| K4-14   | Lake Koshkonong |  |
| K4-15   | Lake Koshkonong |  |
| K4-16   | Lake Koshkonong |  |
| K4-17   | Lake Koshkonong |  |
| K4-18   | Lake Koshkonong |  |
| K4-19   | Lake Koshkonong |  |
| K4-20   | Lake Koshkonong |  |
| K4-21   | Lake Koshkonong |  |
| K4-22   | Lake Koshkonong |  |
| K4-23   | Lake Koshkonong |  |
| K4-24   | Lake Koshkonong |  |
| K4-25   | Lake Koshkonong |  |
| K4-26   | Lake Koshkonong |  |
| K4-27   | Lake Koshkonong |  |
| K4-28   | Lake Koshkonong |  |
| K4-29   | Lake Koshkonong |  |
| K4-30   | Lake Koshkonong |  |
| K4-31   | Lake Koshkonong | angular bend in the middle- probably manufactured that way |
| K4-32   | Lake Koshkonong |  |
| K4-33   | Lake Koshkonong |  |

| Cat Num | Provenience     |  |  |  |  |  |
|---------|-----------------|--|--|--|--|--|
| K4-1    | Lake Koshkonong |  |  |  |  |  |
| K4-2    | Lake Koshkonong |  |  |  |  |  |
| K4-3    | Lake Koshkonong |  |  |  |  |  |
| K4-4    | Lake Koshkonong |  |  |  |  |  |
| K4-5    | Lake Koshkonong |  |  |  |  |  |
| K4-6    | Lake Koshkonong |  |  |  |  |  |
| K4-7    | Lake Koshkonong |  |  |  |  |  |
| K4-8    | Lake Koshkonong |  |  |  |  |  |
| K4-9    | Lake Koshkonong |  |  |  |  |  |
| K4-10   | Lake Koshkonong |  |  |  |  |  |
| K4-11   | Lake Koshkonong |  |  |  |  |  |
| K4-12   | Lake Koshkonong |  |  |  |  |  |
| K4-13   | Lake Koshkonong |  |  |  |  |  |
| K4-14   | Lake Koshkonong |  |  |  |  |  |
| K4-15   | Lake Koshkonong |  |  |  |  |  |
| K4-16   | Lake Koshkonong |  |  |  |  |  |
| K4-17   | Lake Koshkonong |  |  |  |  |  |
| K4-18   | Lake Koshkonong |  |  |  |  |  |
| K4-19   | Lake Koshkonong |  |  |  |  |  |
| K4-20   | Lake Koshkonong |  |  |  |  |  |
| K4-21   | Lake Koshkonong |  |  |  |  |  |
| K4-22   | Lake Koshkonong |  |  |  |  |  |
| K4-23   | Lake Koshkonong |  |  |  |  |  |
| K4-24   | Lake Koshkonong |  |  |  |  |  |
| K4-25   | Lake Koshkonong |  |  |  |  |  |
| K4-26   | Lake Koshkonong |  |  |  |  |  |
| K4-27   | Lake Koshkonong |  |  |  |  |  |
| K4-28   | Lake Koshkonong |  |  |  |  |  |
| K4-29   | Lake Koshkonong |  |  |  |  |  |
| K4-30   | Lake Koshkonong |  |  |  |  |  |
| K4-31   | Lake Koshkonong |  |  |  |  |  |
| K4-32   | Lake Koshkonong |  |  |  |  |  |
| K4-33   | Lake Koshkonong |  |  |  |  |  |

| Cat Num | Provenience     | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry      | Dist Morph | FE X-sect   |
|---------|-----------------|-------------|--------------|---------------------|-----------------|---------------|------------|-------------|
| K4-34   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-35   | Lake Koshkonong | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-36   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Rectangular |
| K4-38   | Lake Koshkonong | Medium      | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Rectangular |
| K4-39   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-40   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical  | Pointed    | Round       |
| K4-41   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Round       |
| K4-42   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical  | Pointed    | Rectangular |
| K4-43   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-44   | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Symmetrical   | N/A        | Square      |
| K4-45   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Round       |
| K4-46   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-47   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Rectangular |
| K4-48   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Round       |
| K4-49   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Rectangular |
| K4-50   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical   | N/A        | Rectangular |
| K4-51   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Rounded    | Rectangular |
| K4-52   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Square      |
| K4-53   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Rectangular |
| K4-54   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Round       |
| K12-1   | Lake Koshkonong | Heavy       | Partial      | Distal and Medial   | Bladed          | Indeterminate | Pointed    | Biconvex    |
| K12-2   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical  | Rounded    | Triangular  |
| K12-3   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical  | Rounded    | Biconvex    |
| K12-4   | Lake Koshkonong | Heavy       | Partial      | Proximal and Medial | Bladed          | Asymmetrical  | N/A        | Triangular  |
| K12-5   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Asymmetrical  | Pointed    | Rectangular |
| K12-6   | Lake Koshkonong | Heavy       | Whole        | All                 | Preform         | Symmetrical   | Rounded    | Sheet       |
| K12-7   | Lake Koshkonong | Heavy       | Whole        | All                 | Bladed          | Asymmetrical  | Rounded    | Wedge       |
| K12-8   | Lake Koshkonong | Heavy       | Whole        | All                 | Pointed         | Symmetrical   | Pointed    | Round       |
| K15-23  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical  | N/A        | Round       |
| K15-24  | Lake Koshkonong | Heavy       | Partial      | Medial              | Pointed         | Asymmetrical  | N/A        | Round       |
| 22-01   | Lake Nokomis    | Heavy       | Whole        | All                 | Bladed          | Symmetrical   | Pointed    | Diamond     |
| 22-02   | Lake Nokomis    | Heavy       | Whole        | All                 | Bladed          | Symmetrical   | Pointed    | Diamond     |
| 25-01   | Lake Nokomis    | Very Heavy  | Whole        | All                 | Bladed          | Asymmetrical  | Rounded    | Wedge       |

| Cat Num | Provenience     | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|-----------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| K4-34   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-35   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| K4-36   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-38   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| K4-39   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-40   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-41   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| K4-42   | Lake Koshkonong | S              | < 90         | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-43   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| K4-44   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | N/A        | 1 or 2 | 0         |
| K4-45   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-46   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| K4-47   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-48   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K4-49   | Lake Koshkonong | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| K4-50   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-51   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-52   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| K4-53   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| K4-54   | Lake Koshkonong | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| K12-1   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round       | N/A        | 1      | 1         |
| K12-2   | Lake Koshkonong | Oval           | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 2         |
| K12-3   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 2         |
| K12-4   | Lake Koshkonong | N/A            | N/A          | Present      | Socket         | Round       | Flat       | 1      | 1         |
| K12-5   | Lake Koshkonong | Curvate Rod    | < 90         | Absent       | Curvate Rod    | Rectangular | Pointed    | 1 or 2 | 0         |
| K12-6   | Lake Koshkonong | Rectangular    | N/A          | N/A          | N/A            | Sheet       | Rounded    | 0      | 0         |
| K12-7   | Lake Koshkonong | Semi-Circular  | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| K12-8   | Lake Koshkonong | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| K15-23  | Lake Koshkonong | C              | > 90         | Absent       | Rod            | Round       | N/A        | 1      | 0         |
| K15-24  | Lake Koshkonong | K or G         | > 90         | Absent       | Rod            | Round       | N/A        | 1      | 0         |
| 22-01   | Lake Nokomis    | Triangular     | N/A          | Present      | Tang           | Square      | Rounded    | 3      | 2         |
| 22-02   | Lake Nokomis    | Triangular     | N/A          | Present      | Tang           | Square      | Flat       | 3      | 2         |
| 25-01   | Lake Nokomis    | Sub-Triangular | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |

| Cat Num | Provenience     | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1  | Mid UD 2 |
|---------|-----------------|----------|-------------|-----------------|--------|------------|-----------|-----------|-----------|----------|
| K4-34   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | Bend     |
| K4-35   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend      | Bend     |
| K4-36   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K4-38   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-39   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None      | None     |
| K4-40   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K4-41   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K4-42   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None      | None     |
| K4-43   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-44   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-45   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-46   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-47   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K4-48   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K4-49   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-50   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K4-51   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None      | None     |
| K4-52   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K4-53   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K4-54   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K12-1   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | Bend      | None     |
| K12-2   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Crude      | Flattened | None      | Flattened | None     |
| K12-3   | Lake Koshkonong | Beveled  | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K12-4   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K12-5   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K12-6   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |
| K12-7   | Lake Koshkonong | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | None      | None     |
| K12-8   | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K15-23  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| K15-24  | Lake Koshkonong | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None      | None     |
| 22-01   | Lake Nokomis    | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | None      | None     |
| 22-02   | Lake Nokomis    | Beveled  | Absent      | N/A             | Absent | Refined    | None      | None      | None      | None     |
| 25-01   | Lake Nokomis    | Beveled  | Absent      | N/A             | Absent | Crude      | None      | None      | None      | None     |

| Cat Num | Provenience     | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|-----------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| K4-34   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 59.84  | 6.13  | 4.76      | 5.55   |
| K4-35   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 78.22  | 4.02  | 3.45      | 3.97   |
| K4-36   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 68.92  | 5.9   | 3.62      | 5.47   |
| K4-38   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 75.49  | 7.12  | 2.87      | 4.58   |
| K4-39   | Lake Koshkonong | Bend      | 2         | Yes        | Absent  | N/A          | 83.34  | 3.73  | 3.01      | 3.99   |
| K4-40   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 79.91  | 3.49  | 3.4       | 2.17   |
| K4-41   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 122.87 | 3.84  | 3.55      | 4.82   |
| K4-42   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 88.32  | 7.74  | 4.39      | 13.66  |
| K4-43   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 69.21  | 3.13  | 2.22      | 1.79   |
| K4-44   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 88.87  | 4.52  | 3.91      | 5.38   |
| K4-45   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 81.83  | 3.41  | 2.91      | 2.22   |
| K4-46   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 72.97  | 3.61  | 3.02      | 2.81   |
| K4-47   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 91.24  | 3.78  | 2.35      | 3.01   |
| K4-48   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 82.67  | 3.81  | 3.06      | 3.2    |
| K4-49   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 71     | 6.97  | 3.12      | 5.04   |
| K4-50   | Lake Koshkonong | Lipped    | 2         | Yes        | Absent  | N/A          | 73.38  | 5.72  | 4.69      | 7.72   |
| K4-51   | Lake Koshkonong | Flattened | 2         | Yes        | Absent  | N/A          | 68.42  | 6.22  | 4.18      | 6.47   |
| K4-52   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 78.84  | 4.83  | 4.78      | 6.12   |
| K4-53   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 69.21  | 3.34  | 2.34      | 1.46   |
| K4-54   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 83.59  | 3.8   | 3.51      | 3.5    |
| K12-1   | Lake Koshkonong | None      | 1         | Yes        | Present | Restraighten | 80.6   | 12.82 | 4.17      | 11.21  |
| K12-2   | Lake Koshkonong | None      | 2         | Yes        | Absent  | N/A          | 55.61  | 14.85 | 2.21      | 6.31   |
| K12-3   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 44.2   | 14.81 | 3.11      | 6.11   |
| K12-4   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 37     | 11.23 | 5.53      | 3.73   |
| K12-5   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 66.48  | 6.64  | 3.94      | 6.64   |
| K12-6   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 88.8   | 10.73 | 2.85      | 9.19   |
| K12-7   | Lake Koshkonong | None      | 1         | Yes        | Absent  | N/A          | 83.85  | 18.43 | 3.58      | 19.59  |
| K12-8   | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 29.26  | 10.02 | 7.47      | 3.84   |
| K15-23  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 45.39  | 2.65  | 2.25      | 1.2    |
| K15-24  | Lake Koshkonong | None      | 0         | No         | Absent  | N/A          | 35.08  | 2.51  | 2.17      | 0.96   |
| 22-01   | Lake Nokomis    | None      | 0         | No         | Absent  | N/A          | 145.69 | 46.2  | 7.17      | 103.99 |
| 22-02   | Lake Nokomis    | None      | 0         | No         | Absent  | N/A          | 131.85 | 45.78 | 7.62      | 95.84  |
| 25-01   | Lake Nokomis    | None      | 0         | No         | Absent  | N/A          | 60.43  | 10.31 | 2.67      | 6.28   |

| Cat Num | Provenience     | Morpho-Functional Type | Wittry Type |
|---------|-----------------|------------------------|-------------|
| K4-34   | Lake Koshkonong | Perforator             | IV          |
| K4-35   | Lake Koshkonong | Perforator             | IV          |
| K4-36   | Lake Koshkonong | Perforator             | IV          |
| K4-38   | Lake Koshkonong | Perforator             | IV          |
| K4-39   | Lake Koshkonong | Perforator             | IV          |
| K4-40   | Lake Koshkonong | Perforator             | IV          |
| K4-41   | Lake Koshkonong | Perforator             | IV          |
| K4-42   | Lake Koshkonong | Perforator             | IV          |
| K4-43   | Lake Koshkonong | Perforator             | IV          |
| K4-44   | Lake Koshkonong | Perforator             | IV          |
| K4-45   | Lake Koshkonong | Perforator             | IV          |
| K4-46   | Lake Koshkonong | Perforator             | IV          |
| K4-47   | Lake Koshkonong | Perforator             | IV          |
| K4-48   | Lake Koshkonong | Perforator             | IV          |
| K4-49   | Lake Koshkonong | Perforator             | IV          |
| K4-50   | Lake Koshkonong | Perforator             | IV          |
| K4-51   | Lake Koshkonong | Perforator             | IV          |
| K4-52   | Lake Koshkonong | Perforator             | IV          |
| K4-53   | Lake Koshkonong | Perforator             | IV          |
| K4-54   | Lake Koshkonong | Perforator             | IV          |
| K12-1   | Lake Koshkonong | Knife/Projectile Point |             |
| K12-2   | Lake Koshkonong | Knife/Projectile Point |             |
| K12-3   | Lake Koshkonong | Knife                  | II          |
| K12-4   | Lake Koshkonong | Knife/Projectile Point | II          |
| K12-5   | Lake Koshkonong | Perforator             | IV          |
| K12-6   | Lake Koshkonong | Preform                |             |
| K12-7   | Lake Koshkonong | Knife                  | II          |
| K12-8   | Lake Koshkonong | Projectile Point       | I-L/N/O     |
| K15-23  | Lake Koshkonong | Fish Hook              | VII         |
| K15-24  | Lake Koshkonong | Fish Hook              | VII         |
| 22-01   | Lake Nokomis    | Projectile Point       | I-D2        |
| 22-02   | Lake Nokomis    | Projectile Point       | I-D2        |
| 25-01   | Lake Nokomis    | Knife                  | II          |



| Cat Num | Provenience     | Comments                       |
|---------|-----------------|--------------------------------|
| K4-34   | Lake Koshkonong |                                |
| K4-35   | Lake Koshkonong |                                |
| K4-36   | Lake Koshkonong |                                |
| K4-38   | Lake Koshkonong |                                |
| K4-39   | Lake Koshkonong |                                |
| K4-40   | Lake Koshkonong |                                |
| K4-41   | Lake Koshkonong |                                |
| K4-42   | Lake Koshkonong |                                |
| K4-43   | Lake Koshkonong |                                |
| K4-44   | Lake Koshkonong |                                |
| K4-45   | Lake Koshkonong |                                |
| K4-46   | Lake Koshkonong |                                |
| K4-47   | Lake Koshkonong |                                |
| K4-48   | Lake Koshkonong |                                |
| K4-49   | Lake Koshkonong |                                |
| K4-50   | Lake Koshkonong |                                |
| K4-51   | Lake Koshkonong |                                |
| K4-52   | Lake Koshkonong |                                |
| K4-53   | Lake Koshkonong |                                |
| K4-54   | Lake Koshkonong |                                |
| K12-1   | Lake Koshkonong |                                |
| K12-2   | Lake Koshkonong |                                |
| K12-3   | Lake Koshkonong |                                |
| K12-4   | Lake Koshkonong |                                |
| K12-5   | Lake Koshkonong |                                |
| K12-6   | Lake Koshkonong | strip                          |
| K12-7   | Lake Koshkonong |                                |
| K12-8   | Lake Koshkonong | silver on ventral surface      |
| K15-23  | Lake Koshkonong |                                |
| K15-24  | Lake Koshkonong |                                |
| 22-01   | Lake Nokomis    | Found as part of a small Cache |
| 22-02   | Lake Nokomis    | Found as part of a small Cache |
| 25-01   | Lake Nokomis    |                                |

| Cat Num | Provenience     |                                 |  |  |  |
|---------|-----------------|---------------------------------|--|--|--|
| K4-34   | Lake Koshkonong |                                 |  |  |  |
| K4-35   | Lake Koshkonong |                                 |  |  |  |
| K4-36   | Lake Koshkonong |                                 |  |  |  |
| K4-38   | Lake Koshkonong |                                 |  |  |  |
| K4-39   | Lake Koshkonong |                                 |  |  |  |
| K4-40   | Lake Koshkonong |                                 |  |  |  |
| K4-41   | Lake Koshkonong |                                 |  |  |  |
| K4-42   | Lake Koshkonong |                                 |  |  |  |
| K4-43   | Lake Koshkonong |                                 |  |  |  |
| K4-44   | Lake Koshkonong |                                 |  |  |  |
| K4-45   | Lake Koshkonong |                                 |  |  |  |
| K4-46   | Lake Koshkonong |                                 |  |  |  |
| K4-47   | Lake Koshkonong |                                 |  |  |  |
| K4-48   | Lake Koshkonong |                                 |  |  |  |
| K4-49   | Lake Koshkonong |                                 |  |  |  |
| K4-50   | Lake Koshkonong |                                 |  |  |  |
| K4-51   | Lake Koshkonong |                                 |  |  |  |
| K4-52   | Lake Koshkonong |                                 |  |  |  |
| K4-53   | Lake Koshkonong |                                 |  |  |  |
| K4-54   | Lake Koshkonong |                                 |  |  |  |
| K12-1   | Lake Koshkonong |                                 |  |  |  |
| K12-2   | Lake Koshkonong |                                 |  |  |  |
| K12-3   | Lake Koshkonong |                                 |  |  |  |
| K12-4   | Lake Koshkonong |                                 |  |  |  |
| K12-5   | Lake Koshkonong |                                 |  |  |  |
| K12-6   | Lake Koshkonong |                                 |  |  |  |
| K12-7   | Lake Koshkonong |                                 |  |  |  |
| K12-8   | Lake Koshkonong |                                 |  |  |  |
| K15-23  | Lake Koshkonong |                                 |  |  |  |
| K15-24  | Lake Koshkonong |                                 |  |  |  |
| 22-01   | Lake Nokomis    |                                 |  |  |  |
| 22-02   | Lake Nokomis    | Some fiber preserved on surface |  |  |  |
| 25-01   | Lake Nokomis    |                                 |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present   | Basic Tool Form      | Symmetry      | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|-------------------|----------------------|---------------|------------|-------------|
| 25-02   | Lake Nokomis | Medium      | Whole        | All               | Bladed               | Asymmetrical  | Pointed    | Wedge       |
| 25-03   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Asymmetrical  | Pointed    | Biconvex    |
| 25-04   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Pointed    | Biconvex    |
| 25-05   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Round       |
| 25-06   | Lake Nokomis | Heavy       | Whole        | All               | Non-Utilitarian      | Indeterminate | Rounded    | Sheet       |
| 25-07   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Rounded    | Rectangular |
| 25-08   | Lake Nokomis | Heavy       | Whole        | All               | Non-Utilitarian      | Indeterminate | N/A        | Round       |
| 25-09   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Rounded    | Triangular  |
| 25-10   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Pointed    | Rectangular |
| 25-11   | Lake Nokomis | Heavy       | Whole        | All               | Manufacturing Debris | Indeterminate | Rounded    | Sheet       |
| 25-12   | Lake Nokomis | Very Heavy  | Whole        | All               | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 25-13   | Lake Nokomis | Medium      | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 25-14   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 25-15   | Lake Nokomis | Heavy       | Partial      | Distal and Medial | Bladed               | Symmetrical   | Rounded    | Diamond     |
| 25-16   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Round       |
| 25-17   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Pointed    | Biconvex    |
| 25-18   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 25-19   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 25-20   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 25-21   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Round       |
| 25-22   | Lake Nokomis | Very Heavy  | Partial      | Medial            | Pointed              | Symmetrical   | N/A        | Round       |
| 25-23   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Square      |
| 25-24   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Square      |
| 25-25   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 25-26   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Square      |
| 25-27   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Round       |
| 25-28   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Rounded    | Round       |
| 25-29   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Square      |
| 25-30   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Asymmetrical  | Flat       | Wedge       |
| 25-31   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Pointed    | Square      |
| 25-32   | Lake Nokomis | Heavy       | Whole        | All               | Pointed              | Symmetrical   | Rounded    | Rectangular |
| 25-33   | Lake Nokomis | Heavy       | Whole        | All               | Non-Utilitarian      | Asymmetrical  | Rounded    | Sheet       |
| 25-34   | Lake Nokomis | Heavy       | Whole        | All               | Bladed               | Symmetrical   | Pointed    | Biconvex    |

| Cat Num | Provenience  | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|------------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 25-02   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tab            | Rectangular | Rounded    | 2      | 1         |
| 25-03   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tab            | Rectangular | Rounded    | 2      | 1         |
| 25-04   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Split Tang     | Rectangular | Indented   | 3      | 2         |
| 25-05   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 25-06   | Lake Nokomis | Lancholet        | N/A          | N/A          | N/A            | Sheet       | Rounded    | 0      | 0         |
| 25-07   | Lake Nokomis | Rectangular      | N/A          | Absent       | Rectangular    | Rectangular | Flat       | 1      | 1         |
| 25-08   | Lake Nokomis | Rectangular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| 25-09   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Rounded    | 2      | 2         |
| 25-10   | Lake Nokomis | Lancholet        | N/A          | Present      | Socket         | Round       | Flat       | 2      | 2         |
| 25-11   | Lake Nokomis | Irregular        | N/A          | N/A          | N/A            | Sheet       | Rounded    | 0      | 0         |
| 25-12   | Lake Nokomis | Rectangular      | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 25-13   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 25-14   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 25-15   | Lake Nokomis | Lancholet        | N/A          | N/A          | N/A            | N/A         | N/A        | 2      | 2         |
| 25-16   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 25-17   | Lake Nokomis | Lancholet        | N/A          | Present      | Tang           | Rectangular | Rounded    | 3      | 2         |
| 25-18   | Lake Nokomis | Triangular       | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 25-19   | Lake Nokomis | Triangular       | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 25-20   | Lake Nokomis | Triangular       | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 25-21   | Lake Nokomis | Triangular       | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 25-22   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Round       | N/A        | 1 or 2 | 0         |
| 25-23   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 25-24   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Sub-Triangular | Square      | Rounded    | 1      | 0         |
| 25-25   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 25-26   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 25-27   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Round       | Pointed    | 1 or 2 | 0         |
| 25-28   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Round       | Rounded    | 1 or 2 | 0         |
| 25-29   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| 25-30   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tab            | Biconvex    | Rounded    | 1      | 1         |
| 25-31   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Sub-Triangular | Square      | Rounded    | 1      | 0         |
| 25-32   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 25-33   | Lake Nokomis | Semi-Circular    | N/A          | Absent       | N/A            | Sheet       | Indented   | 0      | 0         |
| 25-34   | Lake Nokomis | Lancholet        | N/A          | Present      | Tab            | Rectangular | Flat       | 3      | 2         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet   | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|---------|------------|-----------|-----------|----------|----------|
| 25-02   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 25-03   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-04   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | None      | None      | None     | None     |
| 25-05   | Lake Nokomis | N/A      | Absent      | N/A             | Present | Refined    | Lipped    | None      | Dented   | None     |
| 25-06   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 25-07   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Rounded   | None      | None     | Crimped  |
| 25-08   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-09   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 25-10   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 25-12   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Twisted   | None      | None     | None     |
| 25-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-14   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None      | None      | Notched  | None     |
| 25-15   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 25-16   | Lake Nokomis | N/A      | Absent      | N/A             | Present | Medium     | None      | None      | None     | None     |
| 25-17   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | None      | None      | None     | None     |
| 25-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | Bend      | None     | None     |
| 25-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | Bend     | None     |
| 25-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 25-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Lipped    | None      | None     | None     |
| 25-27   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-30   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | Bend      | None      | None     | None     |
| 25-31   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-32   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | Rounded   | None      | None     | None     |
| 25-33   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 25-34   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 25-02   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 48.09  | 13.79 | 3.07      | 7.37   |
| 25-03   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 63.32  | 14.92 | 3.88      | 13.81  |
| 25-04   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 74.73  | 18.36 | 2.93      | 9.23   |
| 25-05   | Lake Nokomis | None       | 2         | Yes        | Absent  | N/A          | 73.06  | 11.58 | 8.52      | 11.16  |
| 25-06   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 102.08 | 12.92 | 2.29      | 8.29   |
| 25-07   | Lake Nokomis | Mushroomed | 3         | Yes        | Absent  | N/A          | 119.65 | 29.87 | 11.39     | 230.7  |
| 25-08   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 12.38  | 7.29  | 6.35      | 1.82   |
| 25-09   | Lake Nokomis | None       | 1         | Yes        | Present | Reshaped     | 81.01  | 20.07 | 11        | 25.99  |
| 25-10   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 63.67  | 16.09 | 6.71      | 2.78   |
| 25-11   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 64.2   | 12.85 | 2.35      | 6.36   |
| 25-12   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 67.95  | 15.05 | 2.14      | 8.32   |
| 25-13   | Lake Nokomis | Lipped     | 1         | Yes        | Absent  | N/A          | 127.55 | 11.54 | 6.99      | 59.06  |
| 25-14   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 59.01  | 11.47 | 1.3       | 3.71   |
| 25-15   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 97.52  | 26.05 | 4.04      | 45.72  |
| 25-16   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 27.56  | 15.53 | 14.4      | 4.8    |
| 25-17   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 122.37 | 29.63 | 3.68      | 46.18  |
| 25-18   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 70.16  | 16.26 | 7.34      | 13.83  |
| 25-19   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 55.97  | 13.84 | 7.21      | 11.31  |
| 25-20   | Lake Nokomis | None       | 1         | Yes        | Present | Restraighten | 67.03  | 15.35 | 4.5       | 7.41   |
| 25-21   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 41.59  | 9.12  | 6.87      | 4.91   |
| 25-22   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 89.13  | 2.93  | 2.93      | 1.43   |
| 25-23   | Lake Nokomis | None       | 1         | Yes        | Present | Restraighten | 158.11 | 5.74  | 4.84      | 18.33  |
| 25-24   | Lake Nokomis | Lipped     | 2         | Yes        | Absent  | N/A          | 94.55  | 7.61  | 5.86      | 19.12  |
| 25-25   | Lake Nokomis | Lipped     | 1         | Yes        | Absent  | N/A          | 73.07  | 7.81  | 5.61      | 13.85  |
| 25-26   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 77.24  | 4     | 3.78      | 6      |
| 25-27   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 67.13  | 4.62  | 4.44      | 4.02   |
| 25-28   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 50.9   | 5.1   | 4.84      | 4.18   |
| 25-29   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 59.51  | 6.51  | 5.54      | 8.7    |
| 25-30   | Lake Nokomis | None       | 1         | Yes        | Present | Restraighten | 93.77  | 15.39 | 2.16      | 11.61  |
| 25-31   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 53.55  | 6.15  | 4.61      | 5.16   |
| 25-32   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 35.7   | 7.21  | 4.01      | 5.31   |
| 25-33   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 92.35  | 36.88 | 2.52      | 21.61  |
| 25-34   | Lake Nokomis | None       | 0         | No         | Present | Resharpended | 37.2   | 11.91 | 2.81      | 4.98   |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 25-02   | Lake Nokomis | Knife                  | II          |
| 25-03   | Lake Nokomis | Knife                  | II          |
| 25-04   | Lake Nokomis | Projectile Point       | I-G2        |
| 25-05   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-06   | Lake Nokomis | Unknown                |             |
| 25-07   | Lake Nokomis | Wedge                  |             |
| 25-08   | Lake Nokomis | Bead                   | X-B         |
| 25-09   | Lake Nokomis | Projectile Point       | I           |
| 25-10   | Lake Nokomis | Projectile Point       | I-B         |
| 25-11   | Lake Nokomis | Unknown                |             |
| 25-12   | Lake Nokomis | Knife                  | II          |
| 25-13   | Lake Nokomis | Mandril                |             |
| 25-14   | Lake Nokomis | Knife                  |             |
| 25-15   | Lake Nokomis | Projectile Point       | I           |
| 25-16   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-17   | Lake Nokomis | Projectile Point       | I-G1        |
| 25-18   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-19   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-20   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-21   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 25-22   | Lake Nokomis | Perforator             | IV          |
| 25-23   | Lake Nokomis | Perforator             | IV          |
| 25-24   | Lake Nokomis | Perforator             | IV-B        |
| 25-25   | Lake Nokomis | Perforator             | IV-B        |
| 25-26   | Lake Nokomis | Perforator             | IV          |
| 25-27   | Lake Nokomis | Perforator             | IV-A2       |
| 25-28   | Lake Nokomis | Perforator             | IV          |
| 25-29   | Lake Nokomis | Perforator             | IV          |
| 25-30   | Lake Nokomis | Knife or Crescent      | IV          |
| 25-31   | Lake Nokomis | Perforator             | IV          |
| 25-32   | Lake Nokomis | Perforator             | IV          |
| 25-33   | Lake Nokomis | Unknown                |             |
| 25-34   | Lake Nokomis | Projectile Point       | I           |

| Cat Num | Provenience  | Comments                       |
|---------|--------------|--------------------------------|
| 25-02   | Lake Nokomis |                                |
| 25-03   | Lake Nokomis |                                |
| 25-04   | Lake Nokomis |                                |
| 25-05   | Lake Nokomis |                                |
| 25-06   | Lake Nokomis |                                |
| 25-07   | Lake Nokomis |                                |
| 25-08   | Lake Nokomis |                                |
| 25-09   | Lake Nokomis |                                |
| 25-10   | Lake Nokomis |                                |
| 25-11   | Lake Nokomis |                                |
| 25-12   | Lake Nokomis |                                |
| 25-13   | Lake Nokomis | Could be large perforator also |
| 25-14   | Lake Nokomis |                                |
| 25-15   | Lake Nokomis |                                |
| 25-16   | Lake Nokomis |                                |
| 25-17   | Lake Nokomis |                                |
| 25-18   | Lake Nokomis |                                |
| 25-19   | Lake Nokomis |                                |
| 25-20   | Lake Nokomis |                                |
| 25-21   | Lake Nokomis |                                |
| 25-22   | Lake Nokomis |                                |
| 25-23   | Lake Nokomis |                                |
| 25-24   | Lake Nokomis |                                |
| 25-25   | Lake Nokomis |                                |
| 25-26   | Lake Nokomis |                                |
| 25-27   | Lake Nokomis |                                |
| 25-28   | Lake Nokomis |                                |
| 25-29   | Lake Nokomis |                                |
| 25-30   | Lake Nokomis |                                |
| 25-31   | Lake Nokomis |                                |
| 25-32   | Lake Nokomis |                                |
| 25-33   | Lake Nokomis |                                |
| 25-34   | Lake Nokomis | Expedient point                |



| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 25-02   | Lake Nokomis |  |  |  |  |  |  |
| 25-03   | Lake Nokomis |  |  |  |  |  |  |
| 25-04   | Lake Nokomis |  |  |  |  |  |  |
| 25-05   | Lake Nokomis |  |  |  |  |  |  |
| 25-06   | Lake Nokomis |  |  |  |  |  |  |
| 25-07   | Lake Nokomis |  |  |  |  |  |  |
| 25-08   | Lake Nokomis |  |  |  |  |  |  |
| 25-09   | Lake Nokomis |  |  |  |  |  |  |
| 25-10   | Lake Nokomis |  |  |  |  |  |  |
| 25-11   | Lake Nokomis |  |  |  |  |  |  |
| 25-12   | Lake Nokomis |  |  |  |  |  |  |
| 25-13   | Lake Nokomis |  |  |  |  |  |  |
| 25-14   | Lake Nokomis |  |  |  |  |  |  |
| 25-15   | Lake Nokomis |  |  |  |  |  |  |
| 25-16   | Lake Nokomis |  |  |  |  |  |  |
| 25-17   | Lake Nokomis |  |  |  |  |  |  |
| 25-18   | Lake Nokomis |  |  |  |  |  |  |
| 25-19   | Lake Nokomis |  |  |  |  |  |  |
| 25-20   | Lake Nokomis |  |  |  |  |  |  |
| 25-21   | Lake Nokomis |  |  |  |  |  |  |
| 25-22   | Lake Nokomis |  |  |  |  |  |  |
| 25-23   | Lake Nokomis |  |  |  |  |  |  |
| 25-24   | Lake Nokomis |  |  |  |  |  |  |
| 25-25   | Lake Nokomis |  |  |  |  |  |  |
| 25-26   | Lake Nokomis |  |  |  |  |  |  |
| 25-27   | Lake Nokomis |  |  |  |  |  |  |
| 25-28   | Lake Nokomis |  |  |  |  |  |  |
| 25-29   | Lake Nokomis |  |  |  |  |  |  |
| 25-30   | Lake Nokomis |  |  |  |  |  |  |
| 25-31   | Lake Nokomis |  |  |  |  |  |  |
| 25-32   | Lake Nokomis |  |  |  |  |  |  |
| 25-33   | Lake Nokomis |  |  |  |  |  |  |
| 25-34   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present   | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|-------------------|-----------------|--------------|------------|-------------|
| 27-1    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 27-2    | Lake Nokomis | Heavy       | Whole        | All               | Blunt           | Symmetrical  | Rounded    | Round       |
| 27-3    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 27-4    | Lake Nokomis | Heavy       | Whole        | All               | Blunt           | Symmetrical  | Rounded    | Round       |
| 27-6    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 27-7    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Sheet       |
| 27-8    | Lake Nokomis | Medium      | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Sheet       |
| 27-9    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| 27-10   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| 27-11   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Square      |
| 27-12   | Lake Nokomis | Heavy       | Whole        | All               | Blunt           | Symmetrical  | Rounded    | Rectangular |
| 27-13   | Lake Nokomis | Medium      | Whole        | All               | Bladed          | Symmetrical  | Pointed    | Biconvex    |
| 27-14   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Pointed    | Triangular  |
| 27-15   | Lake Nokomis | Heavy       | Whole        | All               | Blunt           | Symmetrical  | Rounded    | Rectangular |
| 27-16   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-17   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 27-18   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-19   | Lake Nokomis | Medium      | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-20   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-21   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-22   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-23   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-24   | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 27-25   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 27-26   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 28-1    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| 28-2    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 28-3    | Lake Nokomis | Heavy       | Whole        | All               | Bladed          | Asymmetrical | Pointed    | Wedge       |
| 28-4    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Asymmetrical | Pointed    | Biconvex    |
| 28-5    | Lake Nokomis | Very Heavy  | Partial      | Distal and Medial | Bladed          | Symmetrical  | Rounded    | Biconvex    |
| 28-6    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Round       |
| 28-7    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 28-8    | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical  | Pointed    | Rectangular |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 27-1    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-2    | Lake Nokomis | Rectangular    | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-3    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-4    | Lake Nokomis | Rectangular    | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-6    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 27-7    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Rounded    | 1      | 0         |
| 27-8    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Pointed    | 1      | 0         |
| 27-9    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-10   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-11   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-12   | Lake Nokomis | Rectangular    | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 27-13   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 3      | 2         |
| 27-14   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 3      | 2         |
| 27-15   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 27-16   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | N/A        | 2      | 2         |
| 27-17   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 27-18   | Lake Nokomis | Lancholet      | N/A          | Present      | Flared Tang    | Rectangular | Rounded    | 2      | 2         |
| 27-19   | Lake Nokomis | Lancholet      | N/A          | Present      | Flared Tang    | Rectangular | Rounded    | 2      | 2         |
| 27-20   | Lake Nokomis | Lancholet      | N/A          | Present      | Flared Tang    | Rectangular | Rounded    | 2      | 2         |
| 27-21   | Lake Nokomis | Lancholet      | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 2         |
| 27-22   | Lake Nokomis | Lancholet      | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 2         |
| 27-23   | Lake Nokomis | Lancholet      | N/A          | Present      | Tab            | Biconvex    | Rounded    | 2      | 2         |
| 27-24   | Lake Nokomis | Lancholet      | N/A          | Present      | Tab            | Biconvex    | Rounded    | 2      | 2         |
| 27-25   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 27-26   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-1    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 28-2    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 28-3    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tang           | Square      | Rounded    | 2      | 1         |
| 28-4    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Rectangular    | Biconvex    | Rounded    | 2      | 0         |
| 28-5    | Lake Nokomis | Lancholet      | N/A          | Present      | Tab            | Biconvex    | N/A        | 2      | 2         |
| 28-6    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Pointed    | 1      | 0         |
| 28-7    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 28-8    | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Pointed    | 1      | 0         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet   | Refinement | Dist UD 1  | Dist UD 2  | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|---------|------------|------------|------------|----------|----------|
| 27-1    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-2    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend       | Mushroomed | None     | None     |
| 27-3    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-4    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Mushroomed | None       | None     | None     |
| 27-6    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-7    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-8    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-9    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-10   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-12   | Lake Nokomis | N/A      | Absent      | N/A             | Present | Medium     | Worn       | Lipped     | None     | None     |
| 27-13   | Lake Nokomis | None     | Absent      | N/A             | Present | Refined    | None       | None       | None     | None     |
| 27-14   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Refined    | None       | None       | None     | None     |
| 27-15   | Lake Nokomis | N/A      | Absent      | N/A             | Present | Refined    | None       | None       | None     | None     |
| 27-16   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Bend       | None       | None     | None     |
| 27-17   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend       | None       | None     | None     |
| 27-18   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | None       | None       | None     | None     |
| 27-19   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | Notched    | None       | None     | None     |
| 27-20   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | None       | None       | Notched  | None     |
| 27-21   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Refined    | None       | None       | None     | None     |
| 27-22   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-23   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-24   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 27-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Flattened  | None       | None     | None     |
| 28-1    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 28-2    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 28-3    | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | Twisted    | None       | None     | None     |
| 28-4    | Lake Nokomis | N/A      | Present     | Point           | Absent  | Medium     | None       | None       | None     | None     |
| 28-5    | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None       | None       | None     | None     |
| 28-6    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |
| 28-7    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | Bend     | None     |
| 28-8    | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None       | None       | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 27-1    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 59.17  | 12.82 | 5.88      | 6.53   |
| 27-2    | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A         | 53.88  | 14.04 | 10.35     | 15.09  |
| 27-3    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 48.4   | 9.94  | 9.33      | 10.46  |
| 27-4    | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 64.2   | 15.78 | 13.88     | 12.12  |
| 27-6    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 22.85  | 5.72  | 2.88      | 1.02   |
| 27-7    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 67.12  | 16.24 | 6.65      | 7.72   |
| 27-8    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 42.2   | 13.85 | 5.37      | 2.65   |
| 27-9    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 90.8   | 16.07 | 15.81     | 41.24  |
| 27-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 84.19  | 11.81 | 11.28     | 23.12  |
| 27-11   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 85.36  | 16.81 | 12.68     | 23.35  |
| 27-12   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A         | 74.55  | 21.65 | 9.86      | 39.41  |
| 27-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 91.58  | 27.02 | 7.29      | 40.34  |
| 27-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 95.99  | 23.34 | 12.28     | 35.21  |
| 27-15   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 69.91  | 15.42 | 10.72     | 28.65  |
| 27-16   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 95.29  | 20.58 | 8.08      | 19.49  |
| 27-17   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 77.15  | 15.13 | 9.47      | 22.05  |
| 27-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 59.62  | 18.17 | 4.22      | 14.94  |
| 27-19   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 62.45  | 20.59 | 3.62      | 16.6   |
| 27-20   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 77.26  | 20.58 | 3.1       | 16.4   |
| 27-21   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 90.32  | 22.01 | 4.02      | 23.7   |
| 27-22   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 112.8  | 25.19 | 3.55      | 27.4   |
| 27-23   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 130.33 | 23.98 | 3.68      | 34.05  |
| 27-24   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 121.89 | 26.86 | 6.02      | 51.81  |
| 27-25   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 96.16  | 17.12 | 10.06     | 31.71  |
| 27-26   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 88.01  | 18.1  | 11.52     | 25.65  |
| 28-1    | Lake Nokomis | Bend      | 1         | Yes        | Absent  | N/A         | 137.36 | 5.12  | 4.68      | 13.26  |
| 28-2    | Lake Nokomis | None      | 0         | No         | Present | Resharpener | 154    | 6.53  | 4.28      | 20.47  |
| 28-3    | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 87.34  | 17.86 | 2.98      | 15.73  |
| 28-4    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 76.33  | 11.62 | 4.78      | 13.59  |
| 28-5    | Lake Nokomis | Broken    | 1         | Yes        | Absent  | N/A         | 63.16  | 18.95 | 2.88      | 10.88  |
| 28-6    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 24.61  | 6.65  | 4.92      | 1.33   |
| 28-7    | Lake Nokomis | Split     | 2         | Yes        | Absent  | N/A         | 44.91  | 12.72 | 8.53      | 6.71   |
| 28-8    | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 75.56  | 12.74 | 10.75     | 15.83  |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 27-1    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-2    | Lake Nokomis | Billet                 |             |
| 27-3    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-4    | Lake Nokomis | Billet                 |             |
| 27-6    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-7    | Lake Nokomis | Projectile Point       | I-J         |
| 27-8    | Lake Nokomis | Projectile Point       | I-J         |
| 27-9    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-10   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-11   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-12   | Lake Nokomis | Billet                 |             |
| 27-13   | Lake Nokomis | Projectile Point       | I-B         |
| 27-14   | Lake Nokomis | Projectile Point       | I-A         |
| 27-15   | Lake Nokomis | Unknown                |             |
| 27-16   | Lake Nokomis | Projectile Point       | I           |
| 27-17   | Lake Nokomis | Projectile Point       | I           |
| 27-18   | Lake Nokomis | Projectile Point       | I-G1        |
| 27-19   | Lake Nokomis | Projectile Point       | I-G1        |
| 27-20   | Lake Nokomis | Projectile Point       | I-G1        |
| 27-21   | Lake Nokomis | Projectile Point       | I-G1        |
| 27-22   | Lake Nokomis | Projectile Point       | I-C         |
| 27-23   | Lake Nokomis | Projectile Point       | I-H         |
| 27-24   | Lake Nokomis | Projectile Point       | I-H         |
| 27-25   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 27-26   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-1    | Lake Nokomis | Perforator             | IV          |
| 28-2    | Lake Nokomis | Perforator             | IV          |
| 28-3    | Lake Nokomis | Knife                  | II          |
| 28-4    | Lake Nokomis | Harpoon                |             |
| 28-5    | Lake Nokomis | Projectile Point       | I           |
| 28-6    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-7    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-8    | Lake Nokomis | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience  | Comments  |
|---------|--------------|---|
| 27-1    | Lake Nokomis |   |
| 27-2    | Lake Nokomis |   |
| 27-3    | Lake Nokomis |   |
| 27-4    | Lake Nokomis |   |
| 27-6    | Lake Nokomis |   |
| 27-7    | Lake Nokomis | This looks like a tanged projectile point with the base of the blade bent up to form a socket |
| 27-8    | Lake Nokomis | This looks like a tanged projectile point with the base of the blade bent up to form a socket |
| 27-9    | Lake Nokomis |   |
| 27-10   | Lake Nokomis |   |
| 27-11   | Lake Nokomis |   |
| 27-12   | Lake Nokomis |   |
| 27-13   | Lake Nokomis |   |
| 27-14   | Lake Nokomis |   |
| 27-15   | Lake Nokomis |   |
| 27-16   | Lake Nokomis |   |
| 27-17   | Lake Nokomis |   |
| 27-18   | Lake Nokomis |   |
| 27-19   | Lake Nokomis |   |
| 27-20   | Lake Nokomis |   |
| 27-21   | Lake Nokomis |   |
| 27-22   | Lake Nokomis | Manufacturing striations  |
| 27-23   | Lake Nokomis | Manufacturing striations  |
| 27-24   | Lake Nokomis |   |
| 27-25   | Lake Nokomis | Manufacturing striations  |
| 27-26   | Lake Nokomis |   |
| 28-1    | Lake Nokomis |   |
| 28-2    | Lake Nokomis |   |
| 28-3    | Lake Nokomis |   |
| 28-4    | Lake Nokomis |   |
| 28-5    | Lake Nokomis |   |
| 28-6    | Lake Nokomis |   |
| 28-7    | Lake Nokomis |   |
| 28-8    | Lake Nokomis |   |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 27-1    | Lake Nokomis |  |  |  |  |  |  |
| 27-2    | Lake Nokomis |  |  |  |  |  |  |
| 27-3    | Lake Nokomis |  |  |  |  |  |  |
| 27-4    | Lake Nokomis |  |  |  |  |  |  |
| 27-6    | Lake Nokomis |  |  |  |  |  |  |
| 27-7    | Lake Nokomis |  |  |  |  |  |  |
| 27-8    | Lake Nokomis |  |  |  |  |  |  |
| 27-9    | Lake Nokomis |  |  |  |  |  |  |
| 27-10   | Lake Nokomis |  |  |  |  |  |  |
| 27-11   | Lake Nokomis |  |  |  |  |  |  |
| 27-12   | Lake Nokomis |  |  |  |  |  |  |
| 27-13   | Lake Nokomis |  |  |  |  |  |  |
| 27-14   | Lake Nokomis |  |  |  |  |  |  |
| 27-15   | Lake Nokomis |  |  |  |  |  |  |
| 27-16   | Lake Nokomis |  |  |  |  |  |  |
| 27-17   | Lake Nokomis |  |  |  |  |  |  |
| 27-18   | Lake Nokomis |  |  |  |  |  |  |
| 27-19   | Lake Nokomis |  |  |  |  |  |  |
| 27-20   | Lake Nokomis |  |  |  |  |  |  |
| 27-21   | Lake Nokomis |  |  |  |  |  |  |
| 27-22   | Lake Nokomis |  |  |  |  |  |  |
| 27-23   | Lake Nokomis |  |  |  |  |  |  |
| 27-24   | Lake Nokomis |  |  |  |  |  |  |
| 27-25   | Lake Nokomis |  |  |  |  |  |  |
| 27-26   | Lake Nokomis |  |  |  |  |  |  |
| 28-1    | Lake Nokomis |  |  |  |  |  |  |
| 28-2    | Lake Nokomis |  |  |  |  |  |  |
| 28-3    | Lake Nokomis |  |  |  |  |  |  |
| 28-4    | Lake Nokomis |  |  |  |  |  |  |
| 28-5    | Lake Nokomis |  |  |  |  |  |  |
| 28-6    | Lake Nokomis |  |  |  |  |  |  |
| 28-7    | Lake Nokomis |  |  |  |  |  |  |
| 28-8    | Lake Nokomis |  |  |  |  |  |  |



| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|---------------------|----------------------|---------------|------------|-------------|
| 28-9    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-10   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Wedge       |
| 28-11   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Square      |
| 28-12   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Round       |
| 28-13   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Round       |
| 28-14   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round       |
| 28-15   | Lake Nokomis | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | Rounded    | Sheet       |
| 28-16   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Pointed    | Wedge       |
| 28-17   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 28-18   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular |
| 28-19   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-20   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-21   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-22   | Lake Nokomis | Heavy       | Partial      | Distal              | Pointed              | Symmetrical   | Pointed    | Square      |
| 28-23   | Lake Nokomis | Very Heavy  | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A        | Rectangular |
| 28-24   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-25   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-26   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round       |
| 28-27   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square      |
| 28-28   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round       |
| 28-29   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | Rounded    | Rectangular |
| 28-30   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Pointed    | Biconvex    |
| 28-31   | Lake Nokomis | Heavy       | Whole        | All                 | Blunt                | Symmetrical   | Rounded    | Rectangular |
| 28-32   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square      |
| 28-33   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 28-34   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Triangular  |
| 28-35   | Lake Nokomis | Heavy       | Partial      | Proximal and Medial | Bladed               | Symmetrical   | N/A        | Biconvex    |
| 29-1    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Biconvex    |
| 29-2    | Lake Nokomis | Very Heavy  | Whole        | All                 | Non-Utilitarian      | Indeterminate | Rounded    | Sheet       |
| 29-3    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Sheet       |
| 29-4    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 29-5    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 29-6    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Pointed    | Wedge       |

| Cat Num | Provenience  | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|------------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 28-9    | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular     | Rounded    | 1      | 0         |
| 28-10   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Double Tang    | Rectangular | Rounded    | 1      | 1         |
| 28-11   | Lake Nokomis | J                | > 90         | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 28-12   | Lake Nokomis | J                | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 28-13   | Lake Nokomis | J                | > 90         | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| 28-14   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-15   | Lake Nokomis | Irregular        | N/A          | Present      | Tang           | Rectangular | Rounded    | 0      | 0         |
| 28-16   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 1         |
| 28-17   | Lake Nokomis | Semi-Circular    | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 28-18   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-19   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 28-20   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-21   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-22   | Lake Nokomis | Sub-Triangular   | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 28-23   | Lake Nokomis | N/A              | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-24   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-25   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-26   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-27   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-28   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 28-29   | Lake Nokomis | Irregular        | N/A          | N/A          | N/A            | Rectangular | Pointed    | 0      | 0         |
| 28-30   | Lake Nokomis | Lancholet        | N/A          | Present      | Tang           | Rectangular | Flat       | 3      | 2         |
| 28-31   | Lake Nokomis | Rectangular      | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-32   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-33   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 28-34   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 2      | 2         |
| 28-35   | Lake Nokomis | Irregular        | N/A          | Present      | Split Tang     | Rectangular | Indented   | 2      | 2         |
| 29-1    | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | N/A            | Biconvex    | Flat       | 3      | 3         |
| 29-2    | Lake Nokomis | Semi-Circular    | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| 29-3    | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 29-4    | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 29-5    | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 29-6    | Lake Nokomis | Blunted Crescent | > 90         | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 28-9    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-10   | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 28-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-14   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-15   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 28-16   | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | None      | None      | Dented   | None     |
| 28-17   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 28-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 28-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | Broken    | None     | None     |
| 28-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 28-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 28-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Twisted   | None      | None     | None     |
| 28-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-27   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| 28-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 28-30   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Refined    | Notched   | Twisted   | None     | None     |
| 28-31   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Refined    | Notched   | None      | Dented   | None     |
| 28-32   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-33   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 28-34   | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | Bend      | None      | None     | None     |
| 28-35   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| 29-1    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | Twisted   | None      | None     | None     |
| 29-2    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-3    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 29-4    | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 29-5    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-6    | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 28-9    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 124.39 | 19.57 | 15.04     | 66.38  |
| 28-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 100.23 | 90.46 | 4.56      | 42.7   |
| 28-11   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 47.63  | 28.28 | 4.05      | 1.95   |
| 28-12   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 42.89  | 11.14 | 2.69      | 1.47   |
| 28-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 83.51  | 43.61 | 4.71      | 7.3    |
| 28-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 30.95  | 16.28 | 5.76      | 1.97   |
| 28-15   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 77.98  | 26.17 | 5.05      | 24.26  |
| 28-16   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 125.48 | 19.02 | 4.36      | 28.17  |
| 28-17   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 83.41  | 14.89 | 4.05      | 12.55  |
| 28-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 34.36  | 8.41  | 5.6       | 3.04   |
| 28-19   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 94.98  | 15.41 | 10.53     | 32.09  |
| 28-20   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 90.8   | 12.08 | 7.61      | 16.43  |
| 28-21   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 72.05  | 11.42 | 10.3      | 11.07  |
| 28-22   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 16.91  | 8.58  | 7         | 2.53   |
| 28-23   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 29.6   | 8.78  | 6.11      | 2.19   |
| 28-24   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 50.65  | 7.79  | 6.92      | 4      |
| 28-25   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 39.52  | 9.18  | 6.02      | 4.02   |
| 28-26   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 32.63  | 11.78 | 7.47      | 2.97   |
| 28-27   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 47.09  | 13.34 | 11.67     | 5.6    |
| 28-28   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 51.31  | 11.78 | 9.34      | 12.36  |
| 28-29   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 153    | 13.67 | 3.7       | 31.69  |
| 28-30   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 55.82  | 14.53 | 2.48      | 7.06   |
| 28-31   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 76.24  | 20.8  | 18.78     | 85.05  |
| 28-32   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 57.49  | 14.83 | 12.47     | 12.84  |
| 28-33   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 55.24  | 14.62 | 8.06      | 9.85   |
| 28-34   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 74.71  | 25.2  | 4.08      | 17.04  |
| 28-35   | Lake Nokomis | Split     | 3         | Yes        | Present | Restraighten | 70.88  | 23.31 | 3.84      | 11.51  |
| 29-1    | Lake Nokomis | None      | 1         | Yes        | Present | Restraighten | 125.26 | 33.97 | 3.01      | 40.59  |
| 29-2    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 106.56 | 27.56 | 3.76      | 28.71  |
| 29-3    | Lake Nokomis | None      | 1         | Yes        | Present | Restraighten | 69.81  | 11.61 | 2.89      | 6.89   |
| 29-4    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 94.99  | 14.33 | 2.46      | 9.52   |
| 29-5    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 86.79  | 17.55 | 3.81      | 16.1   |
| 29-6    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 78.66  | 16.04 | 4.26      | 13.67  |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 28-9    | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-10   | Lake Nokomis | Crescent               | III         |
| 28-11   | Lake Nokomis | Fish Hook              | VII         |
| 28-12   | Lake Nokomis | Fish Hook              | VII         |
| 28-13   | Lake Nokomis | Fish Hook              | VII         |
| 28-14   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-15   | Lake Nokomis | Unknown                |             |
| 28-16   | Lake Nokomis | Knife                  | II-A1       |
| 28-17   | Lake Nokomis | Knife                  | II          |
| 28-18   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-19   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-20   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-21   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-22   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-23   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-24   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-25   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-26   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-27   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-28   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-29   | Lake Nokomis | Unknown                |             |
| 28-30   | Lake Nokomis | Projectile Point       | I-G1        |
| 28-31   | Lake Nokomis | Billet                 |             |
| 28-32   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-33   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 28-34   | Lake Nokomis | Projectile Point       | I-E         |
| 28-35   | Lake Nokomis | Projectile Point       | I-G2        |
| 29-1    | Lake Nokomis | Crescent               | III-G       |
| 29-2    | Lake Nokomis | Crescent               | III-G       |
| 29-3    | Lake Nokomis | Knife                  | II          |
| 29-4    | Lake Nokomis | Knife                  | II          |
| 29-5    | Lake Nokomis | Knife                  | II          |
| 29-6    | Lake Nokomis | Knife                  | II          |

| Cat Num | Provenience  | Comments  |
|---------|--------------|---|
| 28-9    | Lake Nokomis |   |
| 28-10   | Lake Nokomis |   |
| 28-11   | Lake Nokomis |   |
| 28-12   | Lake Nokomis |   |
| 28-13   | Lake Nokomis |   |
| 28-14   | Lake Nokomis |   |
| 28-15   | Lake Nokomis |   |
| 28-16   | Lake Nokomis |   |
| 28-17   | Lake Nokomis |   |
| 28-18   | Lake Nokomis |   |
| 28-19   | Lake Nokomis |   |
| 28-20   | Lake Nokomis |   |
| 28-21   | Lake Nokomis |   |
| 28-22   | Lake Nokomis |   |
| 28-23   | Lake Nokomis |   |
| 28-24   | Lake Nokomis |   |
| 28-25   | Lake Nokomis |   |
| 28-26   | Lake Nokomis |   |
| 28-27   | Lake Nokomis |   |
| 28-28   | Lake Nokomis |   |
| 28-29   | Lake Nokomis |   |
| 28-30   | Lake Nokomis | Largely Ag, Ag is in much better condition than Cu, retains more evidence of manufacture and use. |
| 28-31   | Lake Nokomis |   |
| 28-32   | Lake Nokomis |   |
| 28-33   | Lake Nokomis |   |
| 28-34   | Lake Nokomis |   |
| 28-35   | Lake Nokomis |   |
| 29-1    | Lake Nokomis |   |
| 29-2    | Lake Nokomis |   |
| 29-3    | Lake Nokomis |   |
| 29-4    | Lake Nokomis |   |
| 29-5    | Lake Nokomis |   |
| 29-6    | Lake Nokomis |   |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 28-9    | Lake Nokomis |  |  |  |  |  |  |
| 28-10   | Lake Nokomis |  |  |  |  |  |  |
| 28-11   | Lake Nokomis |  |  |  |  |  |  |
| 28-12   | Lake Nokomis |  |  |  |  |  |  |
| 28-13   | Lake Nokomis |  |  |  |  |  |  |
| 28-14   | Lake Nokomis |  |  |  |  |  |  |
| 28-15   | Lake Nokomis |  |  |  |  |  |  |
| 28-16   | Lake Nokomis |  |  |  |  |  |  |
| 28-17   | Lake Nokomis |  |  |  |  |  |  |
| 28-18   | Lake Nokomis |  |  |  |  |  |  |
| 28-19   | Lake Nokomis |  |  |  |  |  |  |
| 28-20   | Lake Nokomis |  |  |  |  |  |  |
| 28-21   | Lake Nokomis |  |  |  |  |  |  |
| 28-22   | Lake Nokomis |  |  |  |  |  |  |
| 28-23   | Lake Nokomis |  |  |  |  |  |  |
| 28-24   | Lake Nokomis |  |  |  |  |  |  |
| 28-25   | Lake Nokomis |  |  |  |  |  |  |
| 28-26   | Lake Nokomis |  |  |  |  |  |  |
| 28-27   | Lake Nokomis |  |  |  |  |  |  |
| 28-28   | Lake Nokomis |  |  |  |  |  |  |
| 28-29   | Lake Nokomis |  |  |  |  |  |  |
| 28-30   | Lake Nokomis |  |  |  |  |  |  |
| 28-31   | Lake Nokomis |  |  |  |  |  |  |
| 28-32   | Lake Nokomis |  |  |  |  |  |  |
| 28-33   | Lake Nokomis |  |  |  |  |  |  |
| 28-34   | Lake Nokomis |  |  |  |  |  |  |
| 28-35   | Lake Nokomis |  |  |  |  |  |  |
| 29-1    | Lake Nokomis |  |  |  |  |  |  |
| 29-2    | Lake Nokomis |  |  |  |  |  |  |
| 29-3    | Lake Nokomis |  |  |  |  |  |  |
| 29-4    | Lake Nokomis |  |  |  |  |  |  |
| 29-5    | Lake Nokomis |  |  |  |  |  |  |
| 29-6    | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| 29-7    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| 29-8    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-9    | Lake Nokomis | Heavy       | Partial      | Proximal and Medial | Bladed          | Asymmetrical | N/A        | Wedge       |
| 29-10   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Rounded    | Wedge       |
| 29-11   | Lake Nokomis | Very Heavy  | Whole        | All                 | Non-Utilitarian | Symmetrical  | Rounded    | Biconvex    |
| 29-12   | Lake Nokomis | Medium      | Whole        | All                 | Bladed          | Symmetrical  | Rounded    | Wedge       |
| 29-13   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| 29-14   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-15   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-16   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-17   | Lake Nokomis | Very Heavy  | Partial      | Medial              | Bladed          | Asymmetrical | N/A        | Biconvex    |
| 29-18   | Lake Nokomis | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-19   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| 29-20   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| 29-21   | Lake Nokomis | Very Heavy  | Partial      | Distal and Medial   | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-22   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Bladed          | Asymmetrical | Rounded    | Biconvex    |
| 29-23   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-24   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-25   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 29-26   | Lake Nokomis | Medium      | Whole        | All                 | Bladed          | Asymmetrical | Rounded    | Wedge       |
| 32-02   | Lake Nokomis | Heavy       | Partial      | Medial              | Pointed         | Symmetrical  | N/A        | Rectangular |
| 32-03   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-04   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-05   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Round       |
| 32-06   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-07   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-08   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 32-09   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-10   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed          | Symmetrical  | Pointed    | Square      |
| 32-11   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 32-12   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 32-13   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| 32-14   | Lake Nokomis | Heavy       | Partial      | Medial              | Bladed          | Asymmetrical | Rounded    | Wedge       |



| Cat Num | Provenience  | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|------------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 29-7    | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 29-8    | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-9    | Lake Nokomis | N/A              | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-10   | Lake Nokomis | Crescent         | < 90         | Present      | Double Tang    | Round       | Pointed    | 1      | 1         |
| 29-11   | Lake Nokomis | Crescent         | < 90         | Present      | Double Tang    | Rectangular | Rounded    | 0      | 0         |
| 29-12   | Lake Nokomis | Crescent         | < 90         | Present      | Double Tang    | Biconvex    | Rounded    | 1      | 1         |
| 29-13   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Flat       | 1      | 1         |
| 29-14   | Lake Nokomis | Semi-Circular    | N/A          | Present      | Tang           | Rectangular | N/A        | 1      | 1         |
| 29-15   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Biconvex    | Rounded    | 1      | 1         |
| 29-16   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-17   | Lake Nokomis | N/A              | N/A          | Present      | Tang           | Rectangular | N/A        | 2      | 2         |
| 29-18   | Lake Nokomis | Semi-Circular    | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-19   | Lake Nokomis | Blunted Crescent | < 90         | N/A          | N/A            | N/A         | N/A        | 1      | 1         |
| 29-20   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tab            | Rectangular | Rounded    | 1      | 1         |
| 29-21   | Lake Nokomis | Blunted Crescent | < 90         | N/A          | N/A            | N/A         | N/A        | 1      | 1         |
| 29-22   | Lake Nokomis | Blunted Crescent | < 90         | N/A          | N/A            | N/A         | N/A        | 1      | 1         |
| 29-23   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-24   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 29-25   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | Rectangular | Pointed    | 1      | 1         |
| 29-26   | Lake Nokomis | Rectangular      | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |
| 32-02   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Sub-Triangular | Rectangular | N/A        | 2      | 0         |
| 32-03   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Tab            | Rectangular | Rounded    | 1      | 0         |
| 32-04   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 32-05   | Lake Nokomis | Rod              | N/A          | N/A          | N/A            | N/A         | N/A        | 1      | 0         |
| 32-06   | Lake Nokomis | Rod              | N/A          | Present      | Tang           | Rectangular | Rounded    | 1      | 0         |
| 32-07   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 32-08   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 32-09   | Lake Nokomis | Sub-Triangular   | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| 32-10   | Lake Nokomis | Rod              | N/A          | Absent       | Tab            | Rectangular | Rounded    | 1 or 2 | 1         |
| 32-11   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 32-12   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 32-13   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| 32-14   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tang           | Rectangular | Rounded    | 1      | 1         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 29-7    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-8    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-9    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-10   | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 29-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-12   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 29-13   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | Twisted   | None      | None     | None     |
| 29-14   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-15   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Medium     | Twisted   | None      | None     | None     |
| 29-16   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | Bend     |
| 29-17   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 29-18   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 29-19   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 29-20   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 29-21   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 29-22   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| 29-23   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-24   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 29-25   | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 29-26   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 32-02   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 32-03   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 32-04   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 32-05   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Broken   | None     |
| 32-06   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| 32-07   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 32-08   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 32-09   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 32-10   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | Split    | Bend     |
| 32-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Bend     |
| 32-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 32-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| 32-14   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 29-7    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 140.5  | 24.8  | 3.2       | 33.68  |
| 29-8    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 76.18  | 16.15 | 3.22      | 8.7    |
| 29-9    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 64.6   | 14.69 | 3.38      | 11.42  |
| 29-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 94.91  | 71.66 | 3.79      | 20.31  |
| 29-11   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 21.49  | 75.28 | 2.91      | 10.42  |
| 29-12   | Lake Nokomis | Bend      | 2         | Yes        | Present | Restraighten | 24     | 58.15 | 2.14      | 5.7    |
| 29-13   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 98.87  | 65.48 | 2.81      | 13.32  |
| 29-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 58.8   | 15.88 | 2.59      | 7.61   |
| 29-15   | Lake Nokomis | None      | 1         | Yes        | Present | Resharpened  | 61.3   | 14.41 | 3.08      | 8.02   |
| 29-16   | Lake Nokomis | Bend      | 2         | Yes        | Absent  | N/A          | 77.13  | 8.81  | 1.93      | 5.28   |
| 29-17   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 42.11  | 15.76 | 2.2       | 4.42   |
| 29-18   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 100.61 | 21.24 | 2.11      | 19.8   |
| 29-19   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 75.14  | 19.45 | 2.9       | 12.38  |
| 29-20   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 125.72 | 32.07 | 3.2       | 30.73  |
| 29-21   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 100.71 | 28.95 | 3.53      | 27.62  |
| 29-22   | Lake Nokomis | Broken    | 2         | Yes        | Absent  | N/A          | 127.81 | 34.11 | 4.54      | 58.61  |
| 29-23   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 91.71  | 18.05 | 2.84      | 13.48  |
| 29-24   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 130.6  | 24.23 | 3.84      | 31.39  |
| 29-25   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 132.34 | 22.24 | 3.23      | 28.8   |
| 29-26   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 60.27  | 15.04 | 2.8       | 5.41   |
| 32-02   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 49.8   | 6.95  | 3.53      | 3.81   |
| 32-03   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 50.01  | 10.87 | 4.66      | 7.99   |
| 32-04   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 34.06  | 3.23  | 2.23      | 1.16   |
| 32-05   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 33.38  | 3.38  | 3.37      | 1.5    |
| 32-06   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 66.62  | 9.63  | 4.82      | 9.3    |
| 32-07   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 76.93  | 4.18  | 2.73      | 3.68   |
| 32-08   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 52.35  | 4.63  | 3.54      | 2.81   |
| 32-09   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 55.73  | 6.31  | 3.71      | 3.67   |
| 32-10   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 77.27  | 6.18  | 3.81      | 8.49   |
| 32-11   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 61.58  | 4.88  | 2.92      | 3.37   |
| 32-12   | Lake Nokomis | Lipped    | 2         | Yes        | Absent  | N/A          | 69.82  | 4.93  | 3.13      | 4.16   |
| 32-13   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 128.05 | 5.13  | 4.68      | 12.46  |
| 32-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 56.7   | 9.32  | 1.98      | 6.08   |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 29-7    | Lake Nokomis | Knife                  | II-A1       |
| 29-8    | Lake Nokomis | Knife                  | II          |
| 29-9    | Lake Nokomis | Knife                  | II          |
| 29-10   | Lake Nokomis | Crescent               | III         |
| 29-11   | Lake Nokomis | Crescent               | III         |
| 29-12   | Lake Nokomis | Crescent               | III         |
| 29-13   | Lake Nokomis | Knife                  | II          |
| 29-14   | Lake Nokomis | Knife                  | II          |
| 29-15   | Lake Nokomis | Knife                  | II          |
| 29-16   | Lake Nokomis | Knife                  | II          |
| 29-17   | Lake Nokomis | Projectile Point       | I           |
| 29-18   | Lake Nokomis | Knife                  | II          |
| 29-19   | Lake Nokomis | Knife                  | II          |
| 29-20   | Lake Nokomis | Knife                  | II          |
| 29-21   | Lake Nokomis | Knife                  | II          |
| 29-22   | Lake Nokomis | Knife                  | II          |
| 29-23   | Lake Nokomis | Knife                  | II          |
| 29-24   | Lake Nokomis | Knife                  | II          |
| 29-25   | Lake Nokomis | Knife                  | II          |
| 29-26   | Lake Nokomis | Knife                  | II          |
| 32-02   | Lake Nokomis | Perforator             | IV          |
| 32-03   | Lake Nokomis | Perforator             | IV          |
| 32-04   | Lake Nokomis | Perforator             | IV          |
| 32-05   | Lake Nokomis | Perforator             | IV          |
| 32-06   | Lake Nokomis | Perforator             | IV          |
| 32-07   | Lake Nokomis | Perforator             | IV          |
| 32-08   | Lake Nokomis | Perforator             | IV          |
| 32-09   | Lake Nokomis | Perforator             | IV          |
| 32-10   | Lake Nokomis | Chisel                 |             |
| 32-11   | Lake Nokomis | Perforator             | IV          |
| 32-12   | Lake Nokomis | Perforator             | IV          |
| 32-13   | Lake Nokomis | Perforator             | IV          |
| 32-14   | Lake Nokomis | Unknown                |             |

| Cat Num | Provenience  | Comments                 |
|---------|--------------|--------------------------|
| 29-7    | Lake Nokomis |                          |
| 29-8    | Lake Nokomis |                          |
| 29-9    | Lake Nokomis |                          |
| 29-10   | Lake Nokomis |                          |
| 29-11   | Lake Nokomis |                          |
| 29-12   | Lake Nokomis |                          |
| 29-13   | Lake Nokomis |                          |
| 29-14   | Lake Nokomis |                          |
| 29-15   | Lake Nokomis |                          |
| 29-16   | Lake Nokomis |                          |
| 29-17   | Lake Nokomis |                          |
| 29-18   | Lake Nokomis | Manufacturing striations |
| 29-19   | Lake Nokomis |                          |
| 29-20   | Lake Nokomis |                          |
| 29-21   | Lake Nokomis |                          |
| 29-22   | Lake Nokomis |                          |
| 29-23   | Lake Nokomis |                          |
| 29-24   | Lake Nokomis |                          |
| 29-25   | Lake Nokomis |                          |
| 29-26   | Lake Nokomis |                          |
| 32-02   | Lake Nokomis |                          |
| 32-03   | Lake Nokomis |                          |
| 32-04   | Lake Nokomis |                          |
| 32-05   | Lake Nokomis |                          |
| 32-06   | Lake Nokomis |                          |
| 32-07   | Lake Nokomis |                          |
| 32-08   | Lake Nokomis |                          |
| 32-09   | Lake Nokomis |                          |
| 32-10   | Lake Nokomis |                          |
| 32-11   | Lake Nokomis |                          |
| 32-12   | Lake Nokomis |                          |
| 32-13   | Lake Nokomis |                          |
| 32-14   | Lake Nokomis |                          |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 29-7    | Lake Nokomis |  |  |  |  |  |  |
| 29-8    | Lake Nokomis |  |  |  |  |  |  |
| 29-9    | Lake Nokomis |  |  |  |  |  |  |
| 29-10   | Lake Nokomis |  |  |  |  |  |  |
| 29-11   | Lake Nokomis |  |  |  |  |  |  |
| 29-12   | Lake Nokomis |  |  |  |  |  |  |
| 29-13   | Lake Nokomis |  |  |  |  |  |  |
| 29-14   | Lake Nokomis |  |  |  |  |  |  |
| 29-15   | Lake Nokomis |  |  |  |  |  |  |
| 29-16   | Lake Nokomis |  |  |  |  |  |  |
| 29-17   | Lake Nokomis |  |  |  |  |  |  |
| 29-18   | Lake Nokomis |  |  |  |  |  |  |
| 29-19   | Lake Nokomis |  |  |  |  |  |  |
| 29-20   | Lake Nokomis |  |  |  |  |  |  |
| 29-21   | Lake Nokomis |  |  |  |  |  |  |
| 29-22   | Lake Nokomis |  |  |  |  |  |  |
| 29-23   | Lake Nokomis |  |  |  |  |  |  |
| 29-24   | Lake Nokomis |  |  |  |  |  |  |
| 29-25   | Lake Nokomis |  |  |  |  |  |  |
| 29-26   | Lake Nokomis |  |  |  |  |  |  |
| 32-02   | Lake Nokomis |  |  |  |  |  |  |
| 32-03   | Lake Nokomis |  |  |  |  |  |  |
| 32-04   | Lake Nokomis |  |  |  |  |  |  |
| 32-05   | Lake Nokomis |  |  |  |  |  |  |
| 32-06   | Lake Nokomis |  |  |  |  |  |  |
| 32-07   | Lake Nokomis |  |  |  |  |  |  |
| 32-08   | Lake Nokomis |  |  |  |  |  |  |
| 32-09   | Lake Nokomis |  |  |  |  |  |  |
| 32-10   | Lake Nokomis |  |  |  |  |  |  |
| 32-11   | Lake Nokomis |  |  |  |  |  |  |
| 32-12   | Lake Nokomis |  |  |  |  |  |  |
| 32-13   | Lake Nokomis |  |  |  |  |  |  |
| 32-14   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|---------------------|----------------------|---------------|------------|-------------|
| 32-15   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Wedge       |
| 32-16   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Pointed    | Wedge       |
| 32-17   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Diamond     |
| 32-18   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Asymmetrical  | Pointed    | Rectangular |
| 32-19   | Lake Nokomis | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A        | Square      |
| 32-20   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round       |
| 35-01   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-02   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-03   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Pointed    | Biconvex    |
| 35-04   | Lake Nokomis | Very Heavy  | Partial      | Distal and Medial   | Bladed               | Symmetrical   | Rounded    | Biconvex    |
| 35-05   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Biconvex    |
| 35-06   | Lake Nokomis | Medium      | Whole        | All                 | Bladed               | Symmetrical   | Pointed    | Triangular  |
| 35-07   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Biconvex    |
| 35-08   | Lake Nokomis | Very Heavy  | Partial      | Medial              | Manufacturing Debris | Indeterminate | N/A        | Diamond     |
| 35-09   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Triangular  |
| 35-10   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Biconvex    |
| 35-11   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular |
| 35-12   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-13   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square      |
| 35-14   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Sheet       |
| 35-15   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Sheet       |
| 35-16   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-17   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Pointed    | Triangular  |
| 35-18   | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Pointed    | Triangular  |
| 35-19   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular |
| 35-20   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Square      |
| 35-21   | Lake Nokomis | Heavy       | Partial      | Proximal and Medial | Pointed              | Symmetrical   | N/A        | Rectangular |
| 35-22   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round       |
| 35-23   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-24   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-25   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-26   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |
| 35-27   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular |

| Cat Num | Provenience  | FE Shape         | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph | Num FU | Num Edges |
|---------|--------------|------------------|--------------|--------------|----------------|---------------|------------|--------|-----------|
| 32-15   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 32-16   | Lake Nokomis | Crescent         | > 90         | Present      | Tang           | Rectangular   | Rounded    | 1      | 1         |
| 32-17   | Lake Nokomis | Blunted Crescent | < 90         | Present      | Tang           | Rectangular   | Rounded    | 1 or 2 | 2         |
| 32-18   | Lake Nokomis | Rod              | N/A          | N/A          | N/A            | Rectangular   | Rounded    | 0      | 0         |
| 32-19   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Square        | Rounded    | 1      | 0         |
| 32-20   | Lake Nokomis | Rod              | N/A          | Absent       | Rod            | Round         | Rounded    | 1      | 0         |
| 35-01   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-02   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Indeterminate | Flat       | 1      | 0         |
| 35-03   | Lake Nokomis | Lancholet        | N/A          | Present      | Flared Tang    | Biconvex      | Rounded    | 3      | 2         |
| 35-04   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Tang           | N/A           | N/A        | 2      | 2         |
| 35-05   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Flared Tang    | Rectangular   | Flat       | 2      | 2         |
| 35-06   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Flared Tang    | Sheet         | Rounded    | 2      | 2         |
| 35-07   | Lake Nokomis | Rod              | N/A          | Present      | Tang           | Biconvex      | Rounded    | 1      | 0         |
| 35-08   | Lake Nokomis | N/A              | N/A          | N/A          | N/A            | N/A           | N/A        | 0      | 0         |
| 35-09   | Lake Nokomis | Lancholet        | N/A          | Present      | Flared Tang    | Sheet         | Rounded    | 2      | 2         |
| 35-10   | Lake Nokomis | Lancholet        | N/A          | Present      | Tang           | Rectangular   | Rounded    | 2      | 2         |
| 35-11   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 35-12   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 35-13   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-14   | Lake Nokomis | Lancholet        | N/A          | Present      | Socket         | Angular       | Rounded    | 2      | 2         |
| 35-15   | Lake Nokomis | Lancholet        | N/A          | Present      | Socket         | Round         | Rounded    | 2      | 2         |
| 35-16   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Rounded    | 1      | 0         |
| 35-17   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Pointed    | 3      | 2         |
| 35-18   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 3      | 2         |
| 35-19   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-20   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Rounded    | 1      | 0         |
| 35-21   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-22   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 35-23   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-24   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 35-25   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-26   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 35-27   | Lake Nokomis | Sub-Triangular   | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |



| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet   | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|---------|------------|-----------|-----------|----------|----------|
| 32-15   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 32-16   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Refined    | None      | None      | None     | None     |
| 32-17   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | Bend     | Split    |
| 32-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 32-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 32-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | Bend      | Split    | None     |
| 35-01   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-02   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 35-03   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | Bend     | None     |
| 35-04   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 35-05   | Lake Nokomis | Beveled  | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-06   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | Lipped   | None     |
| 35-07   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 35-08   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 35-09   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-10   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Crude      | None      | None      | None     | None     |
| 35-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Lipped    | None      | None     | None     |
| 35-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-14   | Lake Nokomis | None     | Absent      | N/A             | Present | Medium     | None      | None      | None     | None     |
| 35-15   | Lake Nokomis | None     | Absent      | N/A             | Present | Refined    | None      | None      | None     | None     |
| 35-16   | Lake Nokomis | None     | Absent      | N/A             | Present | Medium     | None      | None      | None     | None     |
| 35-17   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-18   | Lake Nokomis | None     | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Flattened | None      | None     | None     |
| 35-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | Dented    | None     | Broken   |
| 35-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 35-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | Crimped  | None     |
| 35-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 35-27   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Refined    | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 32-15   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 130.89 | 18.09 | 4.1       | 24.82  |
| 32-16   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 125.54 | 18.69 | 4.33      | 33.14  |
| 32-17   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 154    | 29.48 | 7.05      | 51.65  |
| 32-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 104.53 | 7.43  | 5.3       | 19.24  |
| 32-19   | Lake Nokomis | Lipped    | 1         | Yes        | Absent  | N/A          | 38.67  | 5.2   | 4.07      | 3.13   |
| 32-20   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 46.77  | 3.63  | 3.37      | 1.78   |
| 35-01   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 51.51  | 14.23 | 9.48      |        |
| 35-02   | Lake Nokomis | Flattened | 1         | Yes        | Absent  | N/A          | 45.54  | 12.3  | 5.28      | 6.2    |
| 35-03   | Lake Nokomis | None      | 1         | Yes        | Present | Restraighten | 63.26  | 17.64 | 3.29      | 9.83   |
| 35-04   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 52.41  | 19.08 | 2.52      | 7.81   |
| 35-05   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 66.29  | 21.14 | 3.02      | 12.3   |
| 35-06   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 54.76  | 19.78 | 2.3       | 7.89   |
| 35-07   | Lake Nokomis | Bend      | 1         | Yes        | Absent  | N/A          | 63.54  | 10.19 | 2.96      | 5.72   |
| 35-08   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 63.3   | 10.54 | 2.76      | 5.59   |
| 35-09   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 40.15  | 10.37 | 2.26      | 2.48   |
| 35-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 38.75  | 8.59  | 2.07      | 2.13   |
| 35-11   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 46.29  | 12.18 | 9.26      | 10     |
| 35-12   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 47.9   | 12.78 | 7.95      | 6.71   |
| 35-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 76.08  | 15.83 | 11.15     | 22.51  |
| 35-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 74.82  | 19.48 | 6.82      | 16.78  |
| 35-15   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 65.07  | 18.02 | 7.3       | 11.53  |
| 35-16   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 53.98  | 14.63 | 7.38      | 7.54   |
| 35-17   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 59.82  | 13.61 | 8.13      | 6.85   |
| 35-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 49.3   | 14.94 | 6.77      | 7.92   |
| 35-19   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 46.71  | 14.31 | 6.76      | 8      |
| 35-20   | Lake Nokomis | None      | 3         | Yes        | Absent  | N/A          | 85.59  | 11.4  | 6.99      | 12.41  |
| 35-21   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 60.92  | 13.55 | 8.99      | 9.79   |
| 35-22   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 71.24  | 14.16 | 11.74     | 25.04  |
| 35-23   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 63.52  | 13.98 | 7.62      | 12.09  |
| 35-24   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 56.84  | 15.32 | 9.9       | 13.11  |
| 35-25   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 68.69  | 14.29 | 10.14     | 16.46  |
| 35-26   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 68.13  | 11.69 | 6.57      | 11.34  |
| 35-27   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 61.96  | 13.99 | 10.79     | 21.92  |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 32-15   | Lake Nokomis | Knife                  | II          |
| 32-16   | Lake Nokomis | Knife                  | II          |
| 32-17   | Lake Nokomis | Knife                  | II          |
| 32-18   | Lake Nokomis | Unknown                |             |
| 32-19   | Lake Nokomis | Perforator             | IV          |
| 32-20   | Lake Nokomis | Perforator             | IV          |
| 35-01   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-02   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-03   | Lake Nokomis | Projectile Point       | I-H         |
| 35-04   | Lake Nokomis | Projectile Point       | I           |
| 35-05   | Lake Nokomis | Projectile Point       | I-G1        |
| 35-06   | Lake Nokomis | Projectile Point       | I-H         |
| 35-07   | Lake Nokomis | Unknown                |             |
| 35-08   | Lake Nokomis | Unknown                |             |
| 35-09   | Lake Nokomis | Projectile Point       | I-H         |
| 35-10   | Lake Nokomis | Projectile Point       | I           |
| 35-11   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-12   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-13   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-14   | Lake Nokomis | Projectile Point       | I-B         |
| 35-15   | Lake Nokomis | Projectile Point       | I           |
| 35-16   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-17   | Lake Nokomis | Projectile Point       | I-A         |
| 35-18   | Lake Nokomis | Projectile Point       | I-A         |
| 35-19   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-20   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-21   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-22   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-23   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-24   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-25   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-26   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-27   | Lake Nokomis | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience  | Comments                 |
|---------|--------------|--------------------------|
| 32-15   | Lake Nokomis |                          |
| 32-16   | Lake Nokomis | Manufacturing striations |
| 32-17   | Lake Nokomis | Welding split            |
| 32-18   | Lake Nokomis |                          |
| 32-19   | Lake Nokomis |                          |
| 32-20   | Lake Nokomis |                          |
| 35-01   | Lake Nokomis |                          |
| 35-02   | Lake Nokomis | Expedient point          |
| 35-03   | Lake Nokomis |                          |
| 35-04   | Lake Nokomis |                          |
| 35-05   | Lake Nokomis |                          |
| 35-06   | Lake Nokomis |                          |
| 35-07   | Lake Nokomis |                          |
| 35-08   | Lake Nokomis |                          |
| 35-09   | Lake Nokomis |                          |
| 35-10   | Lake Nokomis |                          |
| 35-11   | Lake Nokomis |                          |
| 35-12   | Lake Nokomis |                          |
| 35-13   | Lake Nokomis |                          |
| 35-14   | Lake Nokomis |                          |
| 35-15   | Lake Nokomis |                          |
| 35-16   | Lake Nokomis |                          |
| 35-17   | Lake Nokomis |                          |
| 35-18   | Lake Nokomis |                          |
| 35-19   | Lake Nokomis |                          |
| 35-20   | Lake Nokomis |                          |
| 35-21   | Lake Nokomis |                          |
| 35-22   | Lake Nokomis |                          |
| 35-23   | Lake Nokomis |                          |
| 35-24   | Lake Nokomis |                          |
| 35-25   | Lake Nokomis |                          |
| 35-26   | Lake Nokomis |                          |
| 35-27   | Lake Nokomis |                          |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 32-15   | Lake Nokomis |  |  |  |  |  |  |
| 32-16   | Lake Nokomis |  |  |  |  |  |  |
| 32-17   | Lake Nokomis |  |  |  |  |  |  |
| 32-18   | Lake Nokomis |  |  |  |  |  |  |
| 32-19   | Lake Nokomis |  |  |  |  |  |  |
| 32-20   | Lake Nokomis |  |  |  |  |  |  |
| 35-01   | Lake Nokomis |  |  |  |  |  |  |
| 35-02   | Lake Nokomis |  |  |  |  |  |  |
| 35-03   | Lake Nokomis |  |  |  |  |  |  |
| 35-04   | Lake Nokomis |  |  |  |  |  |  |
| 35-05   | Lake Nokomis |  |  |  |  |  |  |
| 35-06   | Lake Nokomis |  |  |  |  |  |  |
| 35-07   | Lake Nokomis |  |  |  |  |  |  |
| 35-08   | Lake Nokomis |  |  |  |  |  |  |
| 35-09   | Lake Nokomis |  |  |  |  |  |  |
| 35-10   | Lake Nokomis |  |  |  |  |  |  |
| 35-11   | Lake Nokomis |  |  |  |  |  |  |
| 35-12   | Lake Nokomis |  |  |  |  |  |  |
| 35-13   | Lake Nokomis |  |  |  |  |  |  |
| 35-14   | Lake Nokomis |  |  |  |  |  |  |
| 35-15   | Lake Nokomis |  |  |  |  |  |  |
| 35-16   | Lake Nokomis |  |  |  |  |  |  |
| 35-17   | Lake Nokomis |  |  |  |  |  |  |
| 35-18   | Lake Nokomis |  |  |  |  |  |  |
| 35-19   | Lake Nokomis |  |  |  |  |  |  |
| 35-20   | Lake Nokomis |  |  |  |  |  |  |
| 35-21   | Lake Nokomis |  |  |  |  |  |  |
| 35-22   | Lake Nokomis |  |  |  |  |  |  |
| 35-23   | Lake Nokomis |  |  |  |  |  |  |
| 35-24   | Lake Nokomis |  |  |  |  |  |  |
| 35-25   | Lake Nokomis |  |  |  |  |  |  |
| 35-26   | Lake Nokomis |  |  |  |  |  |  |
| 35-27   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present   | Basic Tool Form | Symmetry    | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|-------------------|-----------------|-------------|------------|-------------|
| 35-28   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 35-29   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 35-30   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-01   | Lake Nokomis | Medium      | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-02   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-03   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-04   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-05   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Flat       | Rectangular |
| 36-06   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 36-07   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 36-08   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-09   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-10   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-11   | Lake Nokomis | Light       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-12   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-13   | Lake Nokomis | Very Heavy  | Partial      | Distal and Medial | Pointed         | Symmetrical | Pointed    | Round       |
| 36-14   | Lake Nokomis | Medium      | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 36-15   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 36-16   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-17   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Rounded    | Rectangular |
| 36-18   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-19   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-20   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-21   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-22   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-23   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-24   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-25   | Lake Nokomis | Medium      | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |
| 36-26   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-27   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Round       |
| 36-28   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-29   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Rectangular |
| 36-30   | Lake Nokomis | Heavy       | Whole        | All               | Pointed         | Symmetrical | Pointed    | Square      |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|---------------|------------|--------|-----------|
| 35-28   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 35-29   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 35-30   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-01   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-02   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-03   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-04   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 36-05   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 36-06   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-07   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-08   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 36-09   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 36-10   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-11   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 36-12   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-13   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | N/A        | 1      | 0         |
| 36-14   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Rounded    | 1      | 0         |
| 36-15   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 36-16   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-17   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-18   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-19   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-20   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-21   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 36-22   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Flat       | 1      | 0         |
| 36-23   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-24   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Flat       | 1      | 0         |
| 36-25   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Pointed    | 1      | 0         |
| 36-26   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-27   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Indeterminate | Flat       | 1      | 0         |
| 36-28   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular       | Rounded    | 1      | 0         |
| 36-29   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |
| 36-30   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round         | Pointed    | 1      | 0         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| 35-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 35-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | None     | None     |
| 35-30   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 36-01   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-02   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Dented   | None     |
| 36-03   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-04   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 36-05   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-06   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-07   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-08   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Dented   | None     |
| 36-09   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| 36-10   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 36-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-14   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-15   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-16   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-17   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| 36-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Dented   | None     |
| 36-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-27   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| 36-30   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |



| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 35-28   | Lake Nokomis | None      | 1 Yes     |            | Present | Restraighten | 66.49  | 9.19  | 6.1       | 9.71   |
| 35-29   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 75.48  | 11.94 | 10.55     | 19.59  |
| 35-30   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 48.56  | 11.95 | 8.55      | 9.25   |
| 36-01   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 30.9   | 8.98  | 5.16      | 1.83   |
| 36-02   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 33.7   | 6.8   | 4.84      | 2.5    |
| 36-03   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 53.84  | 10.39 | 7.28      | 7.58   |
| 36-04   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 56.18  | 10.01 | 10        | 5.52   |
| 36-05   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 50.95  | 12.7  | 7.75      | 4.96   |
| 36-06   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 60.64  | 13.96 | 9.07      | 11.72  |
| 36-07   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 26.76  | 9.98  | 9.53      | 3.68   |
| 36-08   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 37.38  | 11.57 | 6.49      | 5.06   |
| 36-09   | Lake Nokomis | Bend      | 2 Yes     |            | Absent  | N/A          | 50.01  | 8.03  | 5.16      | 4.5    |
| 36-10   | Lake Nokomis | Cut       | 1 Yes     |            | Absent  | N/A          | 52.33  | 13.98 | 7.37      | 6.84   |
| 36-11   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 42.95  | 7.78  | 4.72      | 2.88   |
| 36-12   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 48.19  | 7.14  | 7.49      | 3.15   |
| 36-13   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 33.69  | 14.06 | 7.73      | 5.25   |
| 36-14   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 51.96  | 15.03 | 11.06     | 10.55  |
| 36-15   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 68.24  | 14.15 | 10.07     | 13.82  |
| 36-16   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 54.47  | 12.9  | 7.87      | 9.82   |
| 36-17   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 69.83  | 13.56 | 8.01      | 9.35   |
| 36-18   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 32.84  | 9.22  | 5.7       | 2.85   |
| 36-19   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 51.2   | 9.14  | 9.19      | 9.59   |
| 36-20   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 59.09  | 9.3   | 6.62      | 5.45   |
| 36-21   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 43.7   | 8.31  | 3.7       | 2.48   |
| 36-22   | Lake Nokomis | None      | 1 Yes     |            | Absent  | N/A          | 45.53  | 12.2  | 7.7       | 6.59   |
| 36-23   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 44.45  | 2.95  | 7.06      | 5.29   |
| 36-24   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 45.75  | 12.67 | 8.86      | 7.33   |
| 36-25   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 53.66  | 16.57 | 13.3      | 19.66  |
| 36-26   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 54.8   | 9.64  | 5.67      | 3.15   |
| 36-27   | Lake Nokomis | Crushed   | 1 Yes     |            | Absent  | N/A          | 36.66  | 9.77  | 6.32      | 5.94   |
| 36-28   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 73.91  | 13.39 | 8.09      | 14.44  |
| 36-29   | Lake Nokomis | None      | 0 No      |            | Present | Resharpener  | 45.49  | 10.74 | 8.18      | 7.19   |
| 36-30   | Lake Nokomis | None      | 0 No      |            | Absent  | N/A          | 45.11  | 9.35  | 9.37      | 6.56   |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 35-28   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-29   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 35-30   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-01   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-02   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-03   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-04   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-05   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-06   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-07   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-08   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-09   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-10   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-11   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-12   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-13   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-14   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-15   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-16   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-17   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-18   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-19   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-20   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-21   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-22   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-23   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-24   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-25   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-26   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-27   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-28   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-29   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-30   | Lake Nokomis | Projectile Point       | I-L/N/O     |

| Cat Num | Provenience  | Comments                 |
|---------|--------------|--------------------------|
| 35-28   | Lake Nokomis |                          |
| 35-29   | Lake Nokomis |                          |
| 35-30   | Lake Nokomis |                          |
| 36-01   | Lake Nokomis |                          |
| 36-02   | Lake Nokomis |                          |
| 36-03   | Lake Nokomis |                          |
| 36-04   | Lake Nokomis |                          |
| 36-05   | Lake Nokomis |                          |
| 36-06   | Lake Nokomis | Manufacturing striations |
| 36-07   | Lake Nokomis |                          |
| 36-08   | Lake Nokomis |                          |
| 36-09   | Lake Nokomis |                          |
| 36-10   | Lake Nokomis |                          |
| 36-11   | Lake Nokomis |                          |
| 36-12   | Lake Nokomis |                          |
| 36-13   | Lake Nokomis |                          |
| 36-14   | Lake Nokomis |                          |
| 36-15   | Lake Nokomis |                          |
| 36-16   | Lake Nokomis | Manufacturing striations |
| 36-17   | Lake Nokomis |                          |
| 36-18   | Lake Nokomis |                          |
| 36-19   | Lake Nokomis |                          |
| 36-20   | Lake Nokomis |                          |
| 36-21   | Lake Nokomis |                          |
| 36-22   | Lake Nokomis |                          |
| 36-23   | Lake Nokomis |                          |
| 36-24   | Lake Nokomis |                          |
| 36-25   | Lake Nokomis |                          |
| 36-26   | Lake Nokomis |                          |
| 36-27   | Lake Nokomis |                          |
| 36-28   | Lake Nokomis |                          |
| 36-29   | Lake Nokomis |                          |
| 36-30   | Lake Nokomis |                          |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 35-28   | Lake Nokomis |  |  |  |  |  |  |
| 35-29   | Lake Nokomis |  |  |  |  |  |  |
| 35-30   | Lake Nokomis |  |  |  |  |  |  |
| 36-01   | Lake Nokomis |  |  |  |  |  |  |
| 36-02   | Lake Nokomis |  |  |  |  |  |  |
| 36-03   | Lake Nokomis |  |  |  |  |  |  |
| 36-04   | Lake Nokomis |  |  |  |  |  |  |
| 36-05   | Lake Nokomis |  |  |  |  |  |  |
| 36-06   | Lake Nokomis |  |  |  |  |  |  |
| 36-07   | Lake Nokomis |  |  |  |  |  |  |
| 36-08   | Lake Nokomis |  |  |  |  |  |  |
| 36-09   | Lake Nokomis |  |  |  |  |  |  |
| 36-10   | Lake Nokomis |  |  |  |  |  |  |
| 36-11   | Lake Nokomis |  |  |  |  |  |  |
| 36-12   | Lake Nokomis |  |  |  |  |  |  |
| 36-13   | Lake Nokomis |  |  |  |  |  |  |
| 36-14   | Lake Nokomis |  |  |  |  |  |  |
| 36-15   | Lake Nokomis |  |  |  |  |  |  |
| 36-16   | Lake Nokomis |  |  |  |  |  |  |
| 36-17   | Lake Nokomis |  |  |  |  |  |  |
| 36-18   | Lake Nokomis |  |  |  |  |  |  |
| 36-19   | Lake Nokomis |  |  |  |  |  |  |
| 36-20   | Lake Nokomis |  |  |  |  |  |  |
| 36-21   | Lake Nokomis |  |  |  |  |  |  |
| 36-22   | Lake Nokomis |  |  |  |  |  |  |
| 36-23   | Lake Nokomis |  |  |  |  |  |  |
| 36-24   | Lake Nokomis |  |  |  |  |  |  |
| 36-25   | Lake Nokomis |  |  |  |  |  |  |
| 36-26   | Lake Nokomis |  |  |  |  |  |  |
| 36-27   | Lake Nokomis |  |  |  |  |  |  |
| 36-28   | Lake Nokomis |  |  |  |  |  |  |
| 36-29   | Lake Nokomis |  |  |  |  |  |  |
| 36-30   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form | Symmetry     | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|---------------------|-----------------|--------------|------------|-------------|
| 36-31   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-32   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-33   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-34   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| 36-35   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Pointed         | Symmetrical  | Pointed    | Round       |
| 36-36   | Lake Nokomis | Heavy       | Partial      | Proximal and Medial | Pointed         | Symmetrical  | N/A        | Rectangular |
| 36-37   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Rounded    | Square      |
| 36-38   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 36-39   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-40   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-41   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| 36-42   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-43   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 36-44   | Lake Nokomis | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| 36-45   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-46   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 36-47   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 36-48   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Round       |
| 42-01   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-02   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-03   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-04   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-05   | Lake Nokomis | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-06   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Square      |
| 42-07   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-08   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-09   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-10   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-11   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-12   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-13   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |
| 42-14   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed         | Asymmetrical | Pointed    | Rectangular |
| 42-15   | Lake Nokomis | Medium      | Whole        | All                 | Pointed         | Symmetrical  | Pointed    | Rectangular |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| 36-31   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 36-32   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-33   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-34   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | N/A        | 1      | 0         |
| 36-35   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | N/A        | 1      | 0         |
| 36-36   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Pointed    | 1      | 0         |
| 36-37   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 36-38   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-39   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 36-40   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-41   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-42   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 36-43   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-44   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-45   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Flat       | 1      | 0         |
| 36-46   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 36-47   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Rounded    | 1      | 0         |
| 36-48   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Flat       | 1      | 0         |
| 42-01   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-02   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Hook           | Rectangular | Flat       | 1      | 0         |
| 42-03   | Lake Nokomis | Rod            | N/A          | Present      | Tab            | Rectangular | Rounded    | 1      | 0         |
| 42-04   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-05   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1      | 0         |
| 42-06   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| 42-07   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-08   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-09   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| 42-10   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| 42-11   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Rectangular | Rounded    | 1      | 0         |
| 42-12   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| 42-13   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-14   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| 42-15   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet   | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|---------|------------|-----------|-----------|----------|----------|
| 36-31   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-32   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 36-33   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | Crushed  | None     |
| 36-34   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-35   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-36   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | Dented   | None     |
| 36-37   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-38   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-39   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-40   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-41   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-42   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-43   | Lake Nokomis | N/A      | Absent      | N/A             | Present | Medium     | None      | None      | None     | None     |
| 36-44   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-45   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-46   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Crude      | None      | None      | Dented   | None     |
| 36-47   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 36-48   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-01   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-02   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 42-03   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 42-04   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | Bend     |
| 42-05   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | None     |
| 42-06   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | Bend     | None     |
| 42-07   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-08   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-09   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | Bend      | None      | None     | Bend     |
| 42-10   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |
| 42-14   | Lake Nokomis | N/A      | Present     | Side Nub        | Absent  | Refined    | None      | None      | None     | None     |
| 42-15   | Lake Nokomis | N/A      | Absent      | N/A             | Absent  | Medium     | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|-------------|--------|-------|-----------|--------|
| 36-31   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 78.1   | 13.44 | 7.23      | 13.12  |
| 36-32   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 36.83  | 10.39 | 6.63      | 4.69   |
| 36-33   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 33.88  | 11.04 | 5.8       | 2.85   |
| 36-34   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 54.42  | 12.19 | 7.75      | 6.7    |
| 36-35   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 39.26  | 10.17 | 7.62      | 2.99   |
| 36-36   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 44.75  | 7.35  | 4.82      | 2.34   |
| 36-37   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 31.4   | 12.01 | 7.55      | 4.01   |
| 36-38   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 32.84  | 6.69  | 5.43      | 1.61   |
| 36-39   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 39.15  | 11.85 | 7.36      | 3.77   |
| 36-40   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 39.45  | 7.44  | 5.2       | 2.57   |
| 36-41   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 45.93  | 11.87 | 8.38      | 6.43   |
| 36-42   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 25.42  | 6.38  | 4.47      | 1.13   |
| 36-43   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 26.13  | 7.87  | 4.43      | 1.14   |
| 36-44   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 20.21  | 9.19  | 5         | 0.8    |
| 36-45   | Lake Nokomis | None      | 0         | No         | Present | Reshaped    | 23.24  | 6.57  | 5.67      | 1.41   |
| 36-46   | Lake Nokomis | None      | 1         | Yes        | Present | Reshaped    | 52.39  | 11.82 | 10.07     | 16.31  |
| 36-47   | Lake Nokomis | None      | 0         | No         | Present | Reshaped    | 65.07  | 15.56 | 14.09     | 26.23  |
| 36-48   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 24.83  | 10.85 | 5.44      | 1.34   |
| 42-01   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 102.15 | 10.13 | 5.57      | 20.98  |
| 42-02   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 77.67  | 8     | 5.49      | 12.64  |
| 42-03   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 72.01  | 5.96  | 3.13      | 6      |
| 42-04   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 73.78  | 8.68  | 4.3       | 8.56   |
| 42-05   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 87.65  | 5.79  | 3.84      | 8.67   |
| 42-06   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A         | 79.13  | 5.73  | 4.9       | 9.27   |
| 42-07   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 67.89  | 6.03  | 3.73      | 4.97   |
| 42-08   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 57.06  | 9.19  | 2.11      | 2.56   |
| 42-09   | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A         | 67.17  | 5.83  | 2.63      | 3.61   |
| 42-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 72.58  | 9.174 | 3.56      | 9.03   |
| 42-11   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 79.65  | 10.35 | 4.82      | 10.03  |
| 42-12   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 80.8   | 10.77 | 3.9       | 9.1    |
| 42-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 70.85  | 13.64 | 4.31      | 12.31  |
| 42-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A         | 94.2   | 12.41 | 3.98      | 13.65  |
| 42-15   | Lake Nokomis | Gouged    | 1         | Yes        | Absent  | N/A         | 80.59  | 7.81  | 3.38      | 9.49   |



| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 36-31   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-32   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-33   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-34   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-35   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-36   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-37   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-38   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-39   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-40   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-41   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-42   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-43   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-44   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-45   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-46   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-47   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 36-48   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| 42-01   | Lake Nokomis | Perforator             | IV          |
| 42-02   | Lake Nokomis | Perforator             | IV          |
| 42-03   | Lake Nokomis | Perforator             | IV          |
| 42-04   | Lake Nokomis | Perforator             | IV          |
| 42-05   | Lake Nokomis | Perforator             | IV          |
| 42-06   | Lake Nokomis | Perforator             | IV          |
| 42-07   | Lake Nokomis | Perforator             | IV          |
| 42-08   | Lake Nokomis | Perforator             | IV          |
| 42-09   | Lake Nokomis | Perforator             | IV          |
| 42-10   | Lake Nokomis | Perforator             | IV          |
| 42-11   | Lake Nokomis | Perforator             | IV          |
| 42-12   | Lake Nokomis | Perforator             | IV          |
| 42-13   | Lake Nokomis | Perforator             | IV          |
| 42-14   | Lake Nokomis | Perforator             | IV          |
| 42-15   | Lake Nokomis | Perforator             | IV          |

| Cat Num | Provenience  | Comments |
|---------|--------------|----------|
| 36-31   | Lake Nokomis |          |
| 36-32   | Lake Nokomis |          |
| 36-33   | Lake Nokomis |          |
| 36-34   | Lake Nokomis |          |
| 36-35   | Lake Nokomis |          |
| 36-36   | Lake Nokomis |          |
| 36-37   | Lake Nokomis |          |
| 36-38   | Lake Nokomis |          |
| 36-39   | Lake Nokomis |          |
| 36-40   | Lake Nokomis |          |
| 36-41   | Lake Nokomis |          |
| 36-42   | Lake Nokomis |          |
| 36-43   | Lake Nokomis |          |
| 36-44   | Lake Nokomis |          |
| 36-45   | Lake Nokomis |          |
| 36-46   | Lake Nokomis |          |
| 36-47   | Lake Nokomis |          |
| 36-48   | Lake Nokomis |          |
| 42-01   | Lake Nokomis |          |
| 42-02   | Lake Nokomis |          |
| 42-03   | Lake Nokomis |          |
| 42-04   | Lake Nokomis |          |
| 42-05   | Lake Nokomis |          |
| 42-06   | Lake Nokomis |          |
| 42-07   | Lake Nokomis |          |
| 42-08   | Lake Nokomis |          |
| 42-09   | Lake Nokomis |          |
| 42-10   | Lake Nokomis |          |
| 42-11   | Lake Nokomis |          |
| 42-12   | Lake Nokomis |          |
| 42-13   | Lake Nokomis |          |
| 42-14   | Lake Nokomis |          |
| 42-15   | Lake Nokomis |          |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 36-31   | Lake Nokomis |  |  |  |  |  |  |
| 36-32   | Lake Nokomis |  |  |  |  |  |  |
| 36-33   | Lake Nokomis |  |  |  |  |  |  |
| 36-34   | Lake Nokomis |  |  |  |  |  |  |
| 36-35   | Lake Nokomis |  |  |  |  |  |  |
| 36-36   | Lake Nokomis |  |  |  |  |  |  |
| 36-37   | Lake Nokomis |  |  |  |  |  |  |
| 36-38   | Lake Nokomis |  |  |  |  |  |  |
| 36-39   | Lake Nokomis |  |  |  |  |  |  |
| 36-40   | Lake Nokomis |  |  |  |  |  |  |
| 36-41   | Lake Nokomis |  |  |  |  |  |  |
| 36-42   | Lake Nokomis |  |  |  |  |  |  |
| 36-43   | Lake Nokomis |  |  |  |  |  |  |
| 36-44   | Lake Nokomis |  |  |  |  |  |  |
| 36-45   | Lake Nokomis |  |  |  |  |  |  |
| 36-46   | Lake Nokomis |  |  |  |  |  |  |
| 36-47   | Lake Nokomis |  |  |  |  |  |  |
| 36-48   | Lake Nokomis |  |  |  |  |  |  |
| 42-01   | Lake Nokomis |  |  |  |  |  |  |
| 42-02   | Lake Nokomis |  |  |  |  |  |  |
| 42-03   | Lake Nokomis |  |  |  |  |  |  |
| 42-04   | Lake Nokomis |  |  |  |  |  |  |
| 42-05   | Lake Nokomis |  |  |  |  |  |  |
| 42-06   | Lake Nokomis |  |  |  |  |  |  |
| 42-07   | Lake Nokomis |  |  |  |  |  |  |
| 42-08   | Lake Nokomis |  |  |  |  |  |  |
| 42-09   | Lake Nokomis |  |  |  |  |  |  |
| 42-10   | Lake Nokomis |  |  |  |  |  |  |
| 42-11   | Lake Nokomis |  |  |  |  |  |  |
| 42-12   | Lake Nokomis |  |  |  |  |  |  |
| 42-13   | Lake Nokomis |  |  |  |  |  |  |
| 42-14   | Lake Nokomis |  |  |  |  |  |  |
| 42-15   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph | FE X-sect     |
|---------|--------------|-------------|--------------|---------------------|----------------------|---------------|------------|---------------|
| 42-16   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-17   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-18   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square        |
| 42-19   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square        |
| 42-20   | Lake Nokomis | Very Heavy  | Partial      | Medial              | Pointed              | Symmetrical   | N/A        | Indeterminate |
| 42-21   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round         |
| 42-22   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square        |
| 42-23   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square        |
| 42-24   | Lake Nokomis | Very Heavy  | Whole        | All                 | Bladed               | Asymmetrical  | Rounded    | Rectangular   |
| 42-25   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-26   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Flat       | Square        |
| 42-27   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Rectangular   |
| 42-28   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-29   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-30   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-31   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-32   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square        |
| 42-33   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-34   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-35   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Rounded    | Rectangular   |
| 42-36   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Round         |
| 42-37   | Lake Nokomis | Heavy       | Partial      | Distal and Medial   | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-38   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round         |
| 42-39   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-40   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |
| 42-41   | Lake Nokomis | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A        | Round         |
| N1-1    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round         |
| N1-2    | Lake Nokomis | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Symmetrical   | N/A        | Rectangular   |
| N1-3    | Lake Nokomis | Very Heavy  | Partial      | Proximal and Medial | Bladed               | Asymmetrical  | N/A        | Sheet         |
| N1-4    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular   |
| N1-5    | Lake Nokomis | Very Heavy  | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A        | Rectangular   |
| N1-6    | Lake Nokomis | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A        | Indeterminate |
| N1-9    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular   |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect   | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|---------------|------------|--------|-----------|
| 42-16   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Rectangular   | Rounded    | 1      | 0         |
| 42-17   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Rectangular   | Rounded    | 1      | 0         |
| 42-18   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square        | Pointed    | 1 or 2 | 0         |
| 42-19   | Lake Nokomis | Rod            | N/A          | Present      | Hook           | Square        | Rounded    | 1      | 0         |
| 42-20   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Indeterminate | N/A        | 1 or 2 | 0         |
| 42-21   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round         | Rounded    | 1      | 0         |
| 42-22   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square        | Rounded    | 1      | 0         |
| 42-23   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square        | Rounded    | 1      | 0         |
| 42-24   | Lake Nokomis | Flared Rod     | N/A          | Absent       | Rod            | Square        | Rounded    | 1 or 2 | 1         |
| 42-25   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular   | Rounded    | 1      | 0         |
| 42-26   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square        | Flat       | 1      | 0         |
| 42-27   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Pointed    | 1 or 2 | 0         |
| 42-28   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Rounded    | 1      | 0         |
| 42-29   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Pointed    | 1 or 2 | 0         |
| 42-30   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Rounded    | 1 or 2 | 0         |
| 42-31   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Pointed    | 1 or 2 | 0         |
| 42-32   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular   | Rounded    | 1 or 2 | 0         |
| 42-33   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Pointed    | 1 or 2 | 0         |
| 42-34   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Rounded    | 1      | 0         |
| 42-35   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular   | Rounded    | 1      | 0         |
| 42-36   | Lake Nokomis | Rod            | N/A          | Present      | Tab            | Crescent      | Rounded    | 1      | 0         |
| 42-37   | Lake Nokomis | Rod            | N/A          | Present      | Tab            | Irregular     | N/A        | 1      | 0         |
| 42-38   | Lake Nokomis | Rod            | N/A          | Present      | Tab            | Crescent      | Rounded    | 1      | 0         |
| 42-39   | Lake Nokomis | Rod            | N/A          | Absent       | Irregular      | Rectangular   | Flat       | 1      | 0         |
| 42-40   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Rectangular   | Rounded    | 1      | 0         |
| 42-41   | Lake Nokomis | Irregular      | N/A          | N/A          | Irregular      | N/A           | N/A        | 0      | 0         |
| N1-1    | Lake Nokomis | Rod            | N/A          | Present      | Tab            | Plano-convex  | Rounded    | 1      | 0         |
| N1-2    | Lake Nokomis | Irregular      | N/A          | N/A          | Irregular      | N/A           | N/A        | 0      | 0         |
| N1-3    | Lake Nokomis | Lancholet      | N/A          | Present      | Hook           | Rectangular   | Rounded    | 1      | 1         |
| N1-4    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular   | Rounded    | 1      | 0         |
| N1-5    | Lake Nokomis | Irregular      | N/A          | N/A          | Irregular      | N/A           | N/A        | 0      | 0         |
| N1-6    | Lake Nokomis | Irregular      | N/A          | N/A          | Irregular      | N/A           | N/A        | 0      | 0         |
| N1-9    | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Rod            | Rectangular   | Rounded    | 1      | 0         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1  | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|------------|-----------|----------|----------|
| 42-16   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-17   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | Bend     | Bend     |
| 42-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Refined    | None       | None      | None     | None     |
| 42-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | Bend     | None     |
| 42-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| 42-24   | Lake Nokomis | None     | Absent      | N/A             | Absent | Refined    | Rounded    | None      | None     | None     |
| 42-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-26   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Mushroomed | None      | None     | None     |
| 42-27   | Lake Nokomis | N/A      | Present     | Side Nub        | Absent | Refined    | Bend       | Bend      | None     | None     |
| 42-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Refined    | None       | None      | Notched  | Notched  |
| 42-30   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | Split    | None     |
| 42-31   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-32   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Rounded    | None      | None     | None     |
| 42-33   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-34   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-35   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-36   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| 42-37   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| 42-38   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-39   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| 42-40   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| 42-41   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| N1-1    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| N1-2    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| N1-3    | Lake Nokomis | None     | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |
| N1-4    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | Rounded    | None      | Bend     | Crushed  |
| N1-5    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| N1-6    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None       | None      | None     | None     |
| N1-9    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None       | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1  | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|------------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| 42-16   | Lake Nokomis | None       | 0         | No         | Present | Resharpended | 93.09  | 10.72 | 4.33      | 15.74  |
| 42-17   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 73.42  | 12.71 | 4.63      | 10.77  |
| 42-18   | Lake Nokomis | None       | 2         | Yes        | Absent  | N/A          | 169    | 6.54  | 5.3       | 21.05  |
| 42-19   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 143.64 | 8.49  | 7.46      | 37.62  |
| 42-20   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 137.63 | 4.92  | 3.49      | 9.97   |
| 42-21   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 123.26 | 5.15  | 5.15      | 11.9   |
| 42-22   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 118.74 | 7.19  | 6.98      | 22.36  |
| 42-23   | Lake Nokomis | Split      | 1         | Yes        | Absent  | N/A          | 109.08 | 6.83  | 6.05      | 20.87  |
| 42-24   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 102.75 | 6.98  | 6.85      | 23.7   |
| 42-25   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 101.91 | 5.14  | 3.45      | 8.39   |
| 42-26   | Lake Nokomis | Mushroomed | 2         | Yes        | Absent  | N/A          | 93.18  | 5.15  | 5.04      | 13.88  |
| 42-27   | Lake Nokomis | None       | 2         | Yes        | Absent  | N/A          | 75.14  | 12.61 | 3.93      | 9.37   |
| 42-28   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 72.44  | 12.53 | 3.9       | 8.97   |
| 42-29   | Lake Nokomis | None       | 2         | Yes        | Absent  | N/A          | 75.38  | 10.61 | 2.73      | 7.31   |
| 42-30   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 76.75  | 9.75  | 5.95      | 16.46  |
| 42-31   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 68.01  | 9.33  | 5.34      | 12.54  |
| 42-32   | Lake Nokomis | None       | 1         | Yes        | Absent  | N/A          | 67.21  | 7.28  | 5.91      | 9.83   |
| 42-33   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 55.55  | 8.94  | 3.25      | 4.11   |
| 42-34   | Lake Nokomis | None       | 0         | No         | Present | Reshaped     | 62.41  | 7.92  | 4.31      | 7.59   |
| 42-35   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 71.01  | 9.81  | 2.99      | 5.64   |
| 42-36   | Lake Nokomis | Bend       | 1         | Yes        | Present | Restraighten | 53.21  | 14.76 | 2.89      | 3.48   |
| 42-37   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 54.8   | 23.17 | 5.39      | 6.56   |
| 42-38   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 34.85  | 13.9  | 2.96      | 3.46   |
| 42-39   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 50.27  | 15.34 | 3.14      | 7.28   |
| 42-40   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 58.56  | 9.94  | 2.92      | 5.05   |
| 42-41   | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 46.73  | 11.54 | 5.05      | 7.09   |
| N1-1    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 36     | 23.91 | 2.77      | 4.13   |
| N1-2    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 34.92  | 30.28 | 2.74      | 8.25   |
| N1-3    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 46.63  | 12.01 | 2.04      | 4.24   |
| N1-4    | Lake Nokomis | None       | 3         | Yes        | Absent  | N/A          | 35.13  | 4.62  | 3.54      | 1.89   |
| N1-5    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 35.02  | 26.15 | 6.1       | 14.53  |
| N1-6    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 20.84  | 4.43  | 1.6       | 0.3    |
| N1-9    | Lake Nokomis | None       | 0         | No         | Absent  | N/A          | 64.58  | 7.58  | 4.07      | 6.47   |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| 42-16   | Lake Nokomis | Perforator             | IV          |
| 42-17   | Lake Nokomis | Perforator             | IV          |
| 42-18   | Lake Nokomis | Perforator             | IV          |
| 42-19   | Lake Nokomis | Perforator             | IV          |
| 42-20   | Lake Nokomis | Perforator             | IV          |
| 42-21   | Lake Nokomis | Perforator             | IV          |
| 42-22   | Lake Nokomis | Perforator             | IV          |
| 42-23   | Lake Nokomis | Perforator             | IV          |
| 42-24   | Lake Nokomis | Chisel                 |             |
| 42-25   | Lake Nokomis | Perforator             | IV          |
| 42-26   | Lake Nokomis | Perforator             | IV          |
| 42-27   | Lake Nokomis | Perforator             | IV          |
| 42-28   | Lake Nokomis | Perforator             | IV          |
| 42-29   | Lake Nokomis | Perforator             | IV          |
| 42-30   | Lake Nokomis | Perforator             | IV          |
| 42-31   | Lake Nokomis | Perforator             | IV          |
| 42-32   | Lake Nokomis | Perforator             | IV          |
| 42-33   | Lake Nokomis | Perforator             | IV          |
| 42-34   | Lake Nokomis | Perforator             | IV          |
| 42-35   | Lake Nokomis | Perforator             | IV          |
| 42-36   | Lake Nokomis | Perforator2            | IV-E        |
| 42-37   | Lake Nokomis | Perforator2            | IV-E        |
| 42-38   | Lake Nokomis | Perforator2            | IV-E        |
| 42-39   | Lake Nokomis | Unknown                |             |
| 42-40   | Lake Nokomis | Perforator             | IV          |
| 42-41   | Lake Nokomis | Unknown                |             |
| N1-1    | Lake Nokomis | Perforator2            | IV-E        |
| N1-2    | Lake Nokomis | Unknown                |             |
| N1-3    | Lake Nokomis | Knife                  | II          |
| N1-4    | Lake Nokomis | Perforator             | IV          |
| N1-5    | Lake Nokomis | Unknown                |             |
| N1-6    | Lake Nokomis | Unknown                |             |
| N1-9    | Lake Nokomis | Perforator             | IV          |



| Cat Num | Provenience  | Comments  |
|---------|--------------|---|
| 42-16   | Lake Nokomis |   |
| 42-17   | Lake Nokomis |   |
| 42-18   | Lake Nokomis |   |
| 42-19   | Lake Nokomis |   |
| 42-20   | Lake Nokomis |   |
| 42-21   | Lake Nokomis |   |
| 42-22   | Lake Nokomis |   |
| 42-23   | Lake Nokomis | Welding split   |
| 42-24   | Lake Nokomis |   |
| 42-25   | Lake Nokomis |   |
| 42-26   | Lake Nokomis |   |
| 42-27   | Lake Nokomis |   |
| 42-28   | Lake Nokomis |   |
| 42-29   | Lake Nokomis | Intentional notches along both lateral margins on one surface (Ventral or dorsal) |
| 42-30   | Lake Nokomis |   |
| 42-31   | Lake Nokomis |   |
| 42-32   | Lake Nokomis | Prox end is nearly an edge?   |
| 42-33   | Lake Nokomis |   |
| 42-34   | Lake Nokomis |   |
| 42-35   | Lake Nokomis |   |
| 42-36   | Lake Nokomis |   |
| 42-37   | Lake Nokomis | repurposed conical?   |
| 42-38   | Lake Nokomis |   |
| 42-39   | Lake Nokomis |   |
| 42-40   | Lake Nokomis |   |
| 42-41   | Lake Nokomis |   |
| N1-1    | Lake Nokomis |   |
| N1-2    | Lake Nokomis |   |
| N1-3    | Lake Nokomis |   |
| N1-4    | Lake Nokomis |   |
| N1-5    | Lake Nokomis |   |
| N1-6    | Lake Nokomis |   |
| N1-9    | Lake Nokomis |   |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| 42-16   | Lake Nokomis |  |  |  |  |  |  |
| 42-17   | Lake Nokomis |  |  |  |  |  |  |
| 42-18   | Lake Nokomis |  |  |  |  |  |  |
| 42-19   | Lake Nokomis |  |  |  |  |  |  |
| 42-20   | Lake Nokomis |  |  |  |  |  |  |
| 42-21   | Lake Nokomis |  |  |  |  |  |  |
| 42-22   | Lake Nokomis |  |  |  |  |  |  |
| 42-23   | Lake Nokomis |  |  |  |  |  |  |
| 42-24   | Lake Nokomis |  |  |  |  |  |  |
| 42-25   | Lake Nokomis |  |  |  |  |  |  |
| 42-26   | Lake Nokomis |  |  |  |  |  |  |
| 42-27   | Lake Nokomis |  |  |  |  |  |  |
| 42-28   | Lake Nokomis |  |  |  |  |  |  |
| 42-29   | Lake Nokomis |  |  |  |  |  |  |
| 42-30   | Lake Nokomis |  |  |  |  |  |  |
| 42-31   | Lake Nokomis |  |  |  |  |  |  |
| 42-32   | Lake Nokomis |  |  |  |  |  |  |
| 42-33   | Lake Nokomis |  |  |  |  |  |  |
| 42-34   | Lake Nokomis |  |  |  |  |  |  |
| 42-35   | Lake Nokomis |  |  |  |  |  |  |
| 42-36   | Lake Nokomis |  |  |  |  |  |  |
| 42-37   | Lake Nokomis |  |  |  |  |  |  |
| 42-38   | Lake Nokomis |  |  |  |  |  |  |
| 42-39   | Lake Nokomis |  |  |  |  |  |  |
| 42-40   | Lake Nokomis |  |  |  |  |  |  |
| 42-41   | Lake Nokomis |  |  |  |  |  |  |
| N1-1    | Lake Nokomis |  |  |  |  |  |  |
| N1-2    | Lake Nokomis |  |  |  |  |  |  |
| N1-3    | Lake Nokomis |  |  |  |  |  |  |
| N1-4    | Lake Nokomis |  |  |  |  |  |  |
| N1-5    | Lake Nokomis |  |  |  |  |  |  |
| N1-6    | Lake Nokomis |  |  |  |  |  |  |
| N1-9    | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present     | Basic Tool Form      | Symmetry      | Dist Morph | FE X-sect      |
|---------|--------------|-------------|--------------|---------------------|----------------------|---------------|------------|----------------|
| N1-10   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N1-11   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round          |
| N1-13   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Irregular      |
| N1-14   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Irregular      |
| N1-15   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Irregular      |
| N1-17   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Irregular      |
| N1-18   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Asymmetrical  | Pointed    | Rectangular    |
| N1-20   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Rectangular    |
| N1-22   | Lake Nokomis | Heavy       | Whole        | All                 | Manufacturing Debris | Indeterminate | N/A        | Sheet          |
| N1-23   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N1-24   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Asymmetrical  | Pointed    | Square         |
| N1-25   | Lake Nokomis | Medium      | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-1    | Lake Nokomis | Very Heavy  | Partial      | Proximal and Medial | Indeterminate        | Indeterminate | N/A        | N/A            |
| N2-2    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square         |
| N2-3    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Flat       | Concave-convex |
| N2-4    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Rectangular    |
| N2-5    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-6    | Lake Nokomis | Heavy       | Whole        | All                 | Bladed               | Symmetrical   | Rounded    | Rectangular    |
| N2-7    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round          |
| N2-8    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular    |
| N2-9    | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Round          |
| N2-10   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-11   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-12   | Lake Nokomis | Heavy       | Whole        | All                 | Blunt                | Indeterminate | Rounded    | Indeterminate  |
| N2-13   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-14   | Lake Nokomis | Heavy       | Partial      | Indeterminate       | Manufacturing Debris | Indeterminate | N/A        | Sheet          |
| N2-15   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Round          |
| N2-16   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square         |
| N2-17   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Square         |
| N2-18   | Lake Nokomis | Medium      | Whole        | All                 | Non-Utilitarian      | Indeterminate | Flat       | Round          |
| N2-19   | Lake Nokomis | Heavy       | Whole        | All                 | Non-Utilitarian      | Asymmetrical  | Pointed    | Sheet          |
| N2-20   | Lake Nokomis | Very Heavy  | Whole        | All                 | Pointed              | Symmetrical   | Pointed    | Rectangular    |
| N2-21   | Lake Nokomis | Heavy       | Whole        | All                 | Pointed              | Symmetrical   | Rounded    | Rectangular    |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| N1-10   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Rounded    | 1      | 0         |
| N1-11   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Round       | Rounded    | 1      | 0         |
| N1-13   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-14   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-15   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-17   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-18   | Lake Nokomis | J              | > 90         | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-20   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-22   | Lake Nokomis | Irregular      | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N1-23   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Pointed    | 1 or 2 | 0         |
| N1-24   | Lake Nokomis | Rod            | N/A          | Present      | Hook           | Rectangular | Flat       | 1      | 0         |
| N1-25   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Socket         | Angular     | Rounded    | 1      | 0         |
| N2-1    | Lake Nokomis | N/A            | N/A          | Present      | Socket         | Angular     | Flat       | 0      | 0         |
| N2-2    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Pointed    | 1 or 2 | 0         |
| N2-3    | Lake Nokomis | Irregular      | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 1         |
| N2-4    | Lake Nokomis | Rectangular    | N/A          | Absent       | Rod            | Rectangular | Flat       | 1      | 1         |
| N2-5    | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Rectangular | Rounded    | 1      | 0         |
| N2-6    | Lake Nokomis | Semi-Circular  | N/A          | Absent       | Rectangular    | Rectangular | Flat       | 1      | 1         |
| N2-7    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-8    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-9    | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1 or 2 | 0         |
| N2-10   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Rectangular | Rounded    | 1      | 0         |
| N2-11   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| N2-12   | Lake Nokomis | Semi-Circular  | N/A          | Present      | Socket         | Round       | Pointed    | 1      | 0         |
| N2-13   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| N2-14   | Lake Nokomis | Semi-Circular  | N/A          | N/A          | N/A            | N/A         | N/A        | 0      | 0         |
| N2-15   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-16   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-17   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-18   | Lake Nokomis | Rectangular    | N/A          | Absent       | N/A            | N/A         | N/A        | 0      | 0         |
| N2-19   | Lake Nokomis | Sub-Triangular | N/A          | Present      | Tab            | Sheet       | Rounded    | 0      | 0         |
| N2-20   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| N2-21   | Lake Nokomis | Spiral         | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| N1-10   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N1-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Rounded   | None      | None     | None     |
| N1-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-14   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-15   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-17   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N1-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N1-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| N1-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Refined    | None      | None      | Bend     | None     |
| N2-1    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-2    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| N2-3    | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Crude      | Bend      | Worn      | None     | None     |
| N2-4    | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| N2-5    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | None     |
| N2-6    | Lake Nokomis | Beveled  | Absent      | N/A             | Absent | Refined    | Rounded   | None      | None     | None     |
| N2-7    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | Bend     | Bend     |
| N2-8    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-9    | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| N2-10   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-11   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-12   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Lipped    | None      | None     | None     |
| N2-13   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-14   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-15   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | Bend     | None     |
| N2-16   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | None     | None     |
| N2-17   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | Bend      | None      | Bend     | None     |
| N2-18   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-19   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-20   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-21   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair  | Type Repair  | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|---------|--------------|--------|-------|-----------|--------|
| N1-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 76.07  | 12.21 | 6.88      | 12.36  |
| N1-11   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 29.87  | 9.5   | 6.14      | 3.1    |
| N1-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 23.85  | 13.78 | 3.02      | 2.29   |
| N1-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 20.23  | 16.64 | 6.1       | 4.37   |
| N1-15   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 24.77  | 12.26 | 2.13      | 1.61   |
| N1-17   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 33.02  | 7.29  | 2.02      | 1.5    |
| N1-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 25.65  | 5.76  | 1.65      | 0.99   |
| N1-20   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 43.54  | 10.06 | 5.59      | 8.46   |
| N1-22   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 20.12  | 16.15 | 3.24      | 3.38   |
| N1-23   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 75.63  | 9.5   | 2.62      | 5.69   |
| N1-24   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 120.72 | 4.57  | 3.29      | 9.27   |
| N1-25   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 126.39 | 11.37 | 6.2       | 11.68  |
| N2-1    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 54.57  | 8.74  | 4.55      | 7.16   |
| N2-2    | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 41.27  | 5.84  | 4.88      | 3.6    |
| N2-3    | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 55.07  | 9.02  | 5.01      | 8.39   |
| N2-4    | Lake Nokomis | Lipped    | 2         | Yes        | Absent  | N/A          | 55.97  | 9.21  | 4.41      | 10.82  |
| N2-5    | Lake Nokomis | Bend      | 2         | Yes        | Absent  | N/A          | 47.01  | 6.62  | 3.19      | 3.48   |
| N2-6    | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 38.2   | 6.95  | 3.34      | 5.34   |
| N2-7    | Lake Nokomis | None      | 2         | Yes        | Absent  | N/A          | 57.34  | 4.62  | 3.53      | 4.26   |
| N2-8    | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 53.97  | 5.81  | 4         | 4.8    |
| N2-9    | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 41.93  | 4.8   | 3.9       | 2.83   |
| N2-10   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 65.5   | 8.66  | 3.6       | 6.53   |
| N2-11   | Lake Nokomis | Bend      | 1         | Yes        | Absent  | N/A          | 44.69  | 6.79  | 5.22      | 6.79   |
| N2-12   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 60.39  | 16.19 | 8.79      | 17.46  |
| N2-13   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 54.06  | 6.97  | 4.03      | 6.91   |
| N2-14   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 72.88  | 17.84 | 2.06      | 8.93   |
| N2-15   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 50.65  | 6.7   | 6.19      | 7.46   |
| N2-16   | Lake Nokomis | None      | 1         | Yes        | Absent  | N/A          | 49.91  | 5.56  | 4.7       | 4.84   |
| N2-17   | Lake Nokomis | None      | 2         | Yes        | Present | Restraighten | 99.95  | 4.8   | 3.37      | 7.85   |
| N2-18   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 17.55  | 6.58  | 5.67      | 1.68   |
| N2-19   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 31.85  | 13.73 | 2.37      | 2.52   |
| N2-20   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 48.3   | 7.26  | 5.88      | 6.06   |
| N2-21   | Lake Nokomis | None      | 0         | No         | Absent  | N/A          | 50.11  | 6.11  | 3.13      | 3.95   |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| N1-10   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| N1-11   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| N1-13   | Lake Nokomis | Unknown                |             |
| N1-14   | Lake Nokomis | Unknown                |             |
| N1-15   | Lake Nokomis | Unknown                |             |
| N1-17   | Lake Nokomis | Unknown                |             |
| N1-18   | Lake Nokomis | Unknown                |             |
| N1-20   | Lake Nokomis | Unknown                |             |
| N1-22   | Lake Nokomis | Unknown                |             |
| N1-23   | Lake Nokomis | Perforator             | IV          |
| N1-24   | Lake Nokomis | Perforator             | IV          |
| N1-25   | Lake Nokomis | Projectile Point       | I-L/N/O     |
| N2-1    | Lake Nokomis | Unknown                |             |
| N2-2    | Lake Nokomis | Perforator             | IV          |
| N2-3    | Lake Nokomis | Chisel                 |             |
| N2-4    | Lake Nokomis | Chisel                 |             |
| N2-5    | Lake Nokomis | Perforator             | IV          |
| N2-6    | Lake Nokomis | Chisel                 |             |
| N2-7    | Lake Nokomis | Perforator             | IV          |
| N2-8    | Lake Nokomis | Perforator             | IV          |
| N2-9    | Lake Nokomis | Perforator             | IV          |
| N2-10   | Lake Nokomis | Perforator             | IV          |
| N2-11   | Lake Nokomis | Perforator             | IV          |
| N2-12   | Lake Nokomis | Billet                 |             |
| N2-13   | Lake Nokomis | Perforator             | IV          |
| N2-14   | Lake Nokomis | Unknown                |             |
| N2-15   | Lake Nokomis | Perforator             | IV          |
| N2-16   | Lake Nokomis | Perforator             | IV          |
| N2-17   | Lake Nokomis | Perforator             | IV          |
| N2-18   | Lake Nokomis | Bead                   |             |
| N2-19   | Lake Nokomis | Effigy Point           |             |
| N2-20   | Lake Nokomis | Perforator             | IV          |
| N2-21   | Lake Nokomis | Reamer                 |             |

| Cat Num | Provenience  | Comments |
|---------|--------------|----------|
| N1-10   | Lake Nokomis |          |
| N1-11   | Lake Nokomis |          |
| N1-13   | Lake Nokomis |          |
| N1-14   | Lake Nokomis |          |
| N1-15   | Lake Nokomis |          |
| N1-17   | Lake Nokomis |          |
| N1-18   | Lake Nokomis |          |
| N1-20   | Lake Nokomis |          |
| N1-22   | Lake Nokomis |          |
| N1-23   | Lake Nokomis |          |
| N1-24   | Lake Nokomis |          |
| N1-25   | Lake Nokomis |          |
| N2-1    | Lake Nokomis |          |
| N2-2    | Lake Nokomis |          |
| N2-3    | Lake Nokomis |          |
| N2-4    | Lake Nokomis |          |
| N2-5    | Lake Nokomis |          |
| N2-6    | Lake Nokomis |          |
| N2-7    | Lake Nokomis |          |
| N2-8    | Lake Nokomis |          |
| N2-9    | Lake Nokomis |          |
| N2-10   | Lake Nokomis |          |
| N2-11   | Lake Nokomis |          |
| N2-12   | Lake Nokomis |          |
| N2-13   | Lake Nokomis |          |
| N2-14   | Lake Nokomis |          |
| N2-15   | Lake Nokomis |          |
| N2-16   | Lake Nokomis |          |
| N2-17   | Lake Nokomis |          |
| N2-18   | Lake Nokomis |          |
| N2-19   | Lake Nokomis |          |
| N2-20   | Lake Nokomis |          |
| N2-21   | Lake Nokomis |          |



| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| N1-10   | Lake Nokomis |  |  |  |  |  |  |
| N1-11   | Lake Nokomis |  |  |  |  |  |  |
| N1-13   | Lake Nokomis |  |  |  |  |  |  |
| N1-14   | Lake Nokomis |  |  |  |  |  |  |
| N1-15   | Lake Nokomis |  |  |  |  |  |  |
| N1-17   | Lake Nokomis |  |  |  |  |  |  |
| N1-18   | Lake Nokomis |  |  |  |  |  |  |
| N1-20   | Lake Nokomis |  |  |  |  |  |  |
| N1-22   | Lake Nokomis |  |  |  |  |  |  |
| N1-23   | Lake Nokomis |  |  |  |  |  |  |
| N1-24   | Lake Nokomis |  |  |  |  |  |  |
| N1-25   | Lake Nokomis |  |  |  |  |  |  |
| N2-1    | Lake Nokomis |  |  |  |  |  |  |
| N2-2    | Lake Nokomis |  |  |  |  |  |  |
| N2-3    | Lake Nokomis |  |  |  |  |  |  |
| N2-4    | Lake Nokomis |  |  |  |  |  |  |
| N2-5    | Lake Nokomis |  |  |  |  |  |  |
| N2-6    | Lake Nokomis |  |  |  |  |  |  |
| N2-7    | Lake Nokomis |  |  |  |  |  |  |
| N2-8    | Lake Nokomis |  |  |  |  |  |  |
| N2-9    | Lake Nokomis |  |  |  |  |  |  |
| N2-10   | Lake Nokomis |  |  |  |  |  |  |
| N2-11   | Lake Nokomis |  |  |  |  |  |  |
| N2-12   | Lake Nokomis |  |  |  |  |  |  |
| N2-13   | Lake Nokomis |  |  |  |  |  |  |
| N2-14   | Lake Nokomis |  |  |  |  |  |  |
| N2-15   | Lake Nokomis |  |  |  |  |  |  |
| N2-16   | Lake Nokomis |  |  |  |  |  |  |
| N2-17   | Lake Nokomis |  |  |  |  |  |  |
| N2-18   | Lake Nokomis |  |  |  |  |  |  |
| N2-19   | Lake Nokomis |  |  |  |  |  |  |
| N2-20   | Lake Nokomis |  |  |  |  |  |  |
| N2-21   | Lake Nokomis |  |  |  |  |  |  |

| Cat Num | Provenience  | Deg. Patina | Completeness | Portion Present | Basic Tool Form | Symmetry      | Dist Morph | FE X-sect   |
|---------|--------------|-------------|--------------|-----------------|-----------------|---------------|------------|-------------|
| N2-22   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Rectangular |
| N2-23   | Lake Nokomis | Very Heavy  | Whole        | All             | Pointed         | Symmetrical   | Rounded    | Round       |
| N2-24   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Rounded    | Rectangular |
| N2-25   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Square      |
| N2-26   | Lake Nokomis | Heavy       | Whole        | All             | Bladed          | Indeterminate | Rounded    | Rectangular |
| N2-28   | Lake Nokomis | Heavy       | Whole        | All             | Preform         | Symmetrical   | Rounded    | Rectangular |
| N2-29   | Lake Nokomis | Heavy       | Whole        | All             | Indeterminate   | Symmetrical   | Pointed    | Round       |
| N2-30   | Lake Nokomis | Heavy       | Whole        | All             | Preform         | Symmetrical   | Rounded    | Rectangular |
| N2-31   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Round       |
| N2-32   | Lake Nokomis | Heavy       | Whole        | All             | Non-Utilitarian | Indeterminate | Flat       | Angular     |
| N2-33   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Rounded    | Rectangular |
| N2-34   | Lake Nokomis | Heavy       | Whole        | All             | Preform         | Symmetrical   | Rounded    | Rectangular |
| N2-35   | Lake Nokomis | Medium      | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Square      |
| N2-36   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Rectangular |
| N2-37   | Lake Nokomis | Heavy       | Whole        | All             | Pointed         | Symmetrical   | Pointed    | Square      |
| N2-38   | Lake Nokomis | Heavy       | Whole        | All             | Preform         | Asymmetrical  | Rounded    | Rectangular |
| N2-39   | Lake Nokomis | Medium      | Whole        | All             | Non-Utilitarian | Indeterminate | Flat       | Angular     |
|         |              |             |              |                 |                 |               |            |             |
|         |              |             |              |                 |                 |               |            |             |
|         |              |             |              |                 |                 |               |            |             |

| Cat Num | Provenience  | FE Shape       | Degree Curve | Haft Element | Proximal Shape | Prox X-sect | Prox Morph | Num FU | Num Edges |
|---------|--------------|----------------|--------------|--------------|----------------|-------------|------------|--------|-----------|
| N2-22   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 1      | 0         |
| N2-23   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-24   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-25   | Lake Nokomis | Sub-Triangular | N/A          | Absent       | Sub-Triangular | Square      | Rounded    | 1      | 0         |
| N2-26   | Lake Nokomis | Rectangular    | N/A          | Present      | Socket         | Round       | Flat       | 1      | 1         |
| N2-28   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 0      | 0         |
| N2-29   | Lake Nokomis | Rod            | N/A          | Absent       | Rectangular    | Square      | Rounded    | 1 or 2 | 0         |
| N2-30   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Rectangular | Rounded    | 0      | 0         |
| N2-31   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-32   | Lake Nokomis | Rectangular    | N/A          | Absent       | N/A            | N/A         | N/A        | 0      | 0         |
| N2-33   | Lake Nokomis | Flared Rod     | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-34   | Lake Nokomis | Diamond        | N/A          | Absent       | N/A            | N/A         | N/A        | 0      | 0         |
| N2-35   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-36   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Round       | Rounded    | 1      | 0         |
| N2-37   | Lake Nokomis | Rod            | N/A          | Absent       | Rod            | Square      | Rounded    | 1      | 0         |
| N2-38   | Lake Nokomis | Irregular      | N/A          | Absent       | N/A            | N/A         | N/A        | 1      | 0         |
| N2-39   | Lake Nokomis | Rectangular    | N/A          | Absent       | N/A            | N/A         | N/A        | 0      | 0         |
|         |              |                |              |              |                |             |            |        |           |
|         |              |                |              |              |                |             |            |        |           |
|         |              |                |              |              |                |             |            |        |           |

| Cat Num | Provenience  | Edge Mod | Projections | Type Projection | Rivet  | Refinement | Dist UD 1 | Dist UD 2 | Mid UD 1 | Mid UD 2 |
|---------|--------------|----------|-------------|-----------------|--------|------------|-----------|-----------|----------|----------|
| N2-22   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-23   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | Bend      | Bend     | None     |
| N2-24   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | Bend      | None      | None     | None     |
| N2-25   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-26   | Lake Nokomis | None     | Absent      | N/A             | Absent | Crude      | Rounded   | Bend      | None     | None     |
| N2-28   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-29   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-30   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-31   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-32   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-33   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-34   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-35   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-36   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-37   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Medium     | None      | None      | None     | None     |
| N2-38   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
| N2-39   | Lake Nokomis | N/A      | Absent      | N/A             | Absent | Crude      | None      | None      | None     | None     |
|         |              |          |             |                 |        |            |           |           |          |          |
|         |              |          |             |                 |        |            |           |           |          |          |
|         |              |          |             |                 |        |            |           |           |          |          |

| Cat Num | Provenience  | Prox UD 1 | Num of UD | UD Present | Repair | Type Repair | Length | Width | Thickness | Weight |
|---------|--------------|-----------|-----------|------------|--------|-------------|--------|-------|-----------|--------|
| N2-22   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 60.9   | 4.8   | 4.79      | 5.58   |
| N2-23   | Lake Nokomis | None      | 2         | Yes        | Absent | N/A         | 57.46  | 5.58  | 3.52      | 3.47   |
| N2-24   | Lake Nokomis | None      | 1         | Yes        | Absent | N/A         | 70.2   | 7.32  | 5.45      | 10.97  |
| N2-25   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 37.46  | 7.13  | 4.94      | 5.55   |
| N2-26   | Lake Nokomis | None      | 2         | Yes        | Absent | N/A         | 44.6   | 18.76 | 2.96      | 13.86  |
| N2-28   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 52.84  | 5.66  | 4.58      | 7.05   |
| N2-29   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 50.08  | 15.95 | 12.15     | 30.14  |
| N2-30   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 62.54  | 6.43  | 5.55      | 8.4    |
| N2-31   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 56.44  | 3.21  | 3.37      | 2.4    |
| N2-32   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 26.88  | 5.96  | 5.22      | 1.77   |
| N2-33   | Lake Nokomis | Lipped    | 1         | Yes        | Absent | N/A         | 38.3   | 5.5   | 4.58      | 3.83   |
| N2-34   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 53.21  | 16.51 | 6.26      | 22.9   |
| N2-35   | Lake Nokomis | Crushed   | 1         | Yes        | Absent | N/A         | 41.68  | 6.87  | 6.73      | 8.95   |
| N2-36   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 56     | 5.58  | 5.37      | 5.65   |
| N2-37   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 52.23  | 8.39  | 7.92      | 13.36  |
| N2-38   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 61.46  | 13.89 | 5.7       | 22.88  |
| N2-39   | Lake Nokomis | None      | 0         | No         | Absent | N/A         | 17.35  | 7.76  | 2.71      | 0.79   |
|         |              |           |           |            |        |             |        |       |           |        |
|         |              |           |           |            |        |             |        |       |           |        |
|         |              |           | 1000      |            |        |             |        |       |           |        |

| Cat Num | Provenience  | Morpho-Functional Type | Wittry Type |
|---------|--------------|------------------------|-------------|
| N2-22   | Lake Nokomis | Perforator             | IV          |
| N2-23   | Lake Nokomis | Perforator             | IV          |
| N2-24   | Lake Nokomis | Perforator             | IV          |
| N2-25   | Lake Nokomis | Perforator             | IV          |
| N2-26   | Lake Nokomis | Spud                   | V           |
| N2-28   | Lake Nokomis | Unknown                |             |
| N2-29   | Lake Nokomis | Plummet                |             |
| N2-30   | Lake Nokomis | Unknown                |             |
| N2-31   | Lake Nokomis | Perforator             | IV          |
| N2-32   | Lake Nokomis | Bead                   |             |
| N2-33   | Lake Nokomis | Perforator             | IV          |
| N2-34   | Lake Nokomis | Unknown                |             |
| N2-35   | Lake Nokomis | Perforator             | IV          |
| N2-36   | Lake Nokomis | Perforator             | IV          |
| N2-37   | Lake Nokomis | Perforator             | IV          |
| N2-38   | Lake Nokomis | Unknown                |             |
| N2-39   | Lake Nokomis | Bead                   |             |
|         |              |                        |             |
|         |              |                        |             |
|         |              |                        |             |

| Cat Num | Provenience  | Comments |
|---------|--------------|----------|
| N2-22   | Lake Nokomis |          |
| N2-23   | Lake Nokomis |          |
| N2-24   | Lake Nokomis |          |
| N2-25   | Lake Nokomis |          |
| N2-26   | Lake Nokomis |          |
| N2-28   | Lake Nokomis |          |
| N2-29   | Lake Nokomis |          |
| N2-30   | Lake Nokomis |          |
| N2-31   | Lake Nokomis |          |
| N2-32   | Lake Nokomis |          |
| N2-33   | Lake Nokomis |          |
| N2-34   | Lake Nokomis |          |
| N2-35   | Lake Nokomis |          |
| N2-36   | Lake Nokomis |          |
| N2-37   | Lake Nokomis |          |
| N2-38   | Lake Nokomis |          |
| N2-39   | Lake Nokomis |          |
|         |              |          |
|         |              |          |
|         |              |          |

| Cat Num | Provenience  |  |  |  |  |  |  |
|---------|--------------|--|--|--|--|--|--|
| N2-22   | Lake Nokomis |  |  |  |  |  |  |
| N2-23   | Lake Nokomis |  |  |  |  |  |  |
| N2-24   | Lake Nokomis |  |  |  |  |  |  |
| N2-25   | Lake Nokomis |  |  |  |  |  |  |
| N2-26   | Lake Nokomis |  |  |  |  |  |  |
| N2-28   | Lake Nokomis |  |  |  |  |  |  |
| N2-29   | Lake Nokomis |  |  |  |  |  |  |
| N2-30   | Lake Nokomis |  |  |  |  |  |  |
| N2-31   | Lake Nokomis |  |  |  |  |  |  |
| N2-32   | Lake Nokomis |  |  |  |  |  |  |
| N2-33   | Lake Nokomis |  |  |  |  |  |  |
| N2-34   | Lake Nokomis |  |  |  |  |  |  |
| N2-35   | Lake Nokomis |  |  |  |  |  |  |
| N2-36   | Lake Nokomis |  |  |  |  |  |  |
| N2-37   | Lake Nokomis |  |  |  |  |  |  |
| N2-38   | Lake Nokomis |  |  |  |  |  |  |
| N2-39   | Lake Nokomis |  |  |  |  |  |  |
|         |              |  |  |  |  |  |  |
|         |              |  |  |  |  |  |  |
|         |              |  |  |  |  |  |  |



## APPENDIX E

### LA-ICP-MS RESULTS DATA TABLE

| Tools | LK01       | LK02       | LK03       | LK04       | LK05       | LK09       | LK12       | LK13       | LK14       | LK15       |
|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Be    | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| Mg    | 15.945     | 12.978     | 26.285     | 7.871      | 11.288     | 8.183      | 6.420      | 15.709     | 5.541      | 23.938     |
| Al27  | 492.044    | 719.665    | 4251.508   | 1312.044   | 144.097    | 617.846    | 1482.335   | 2278.282   | 535.564    | 497.828    |
| P31   | 134.664    | 370.819    | 430.627    | 649.224    | 348.605    | 162.310    | 720.056    | 1195.588   | 2194.166   | 1362.286   |
| Cr53  | 15.852     | 32.556     | 76.462     | 45.616     | 4.105      | 18.300     | 60.935     | 46.678     | 4.418      | 7.594      |
| Mn55  | 60.614     | 41.014     | 13.046     | 7.054      | 9.668      | 9.889      | 129.569    | 67.677     | 10.381     | 83.964     |
| Fe57  | 189.166    | 1660.523   | 394.700    | 261.041    | 234.378    | 991.212    | 1785.585   | 609.261    | 317.893    | 4820.552   |
| Co59  | 4.787      | 0.950      | 13.963     | 2.784      | 6.979      | 0.311      | 0.766      | 5.122      | 2.594      | 0.111      |
| Ni60  | 44.709     | 13.849     | 21.131     | 5.308      | 26.377     | 5.259      | 20.338     | 11.410     | 23.146     | 1.722      |
| Cu63  | 998258.012 | 996328.370 | 992467.372 | 996762.009 | 998907.667 | 997824.960 | 991952.561 | 995103.386 | 996260.109 | 992522.590 |
| Zn66  | 49.695     | 95.285     | 287.130    | 19.825     | 1.455      | 87.209     | 21.153     | 6.478      | 7.318      | 1.994      |
| As75  | 5.866      | 60.494     | 15.957     | 128.982    | 1.018      | 1.366      | 35.168     | 41.663     | 88.027     | 62.588     |
| Se82  | 2.394      | 6.080      | 37.935     | 5.536      | 128.028    | 5.854      | 3629.471   | 172.560    | 64.656     | 109.686    |
| Ag107 | 606.129    | 303.689    | 481.537    | 651.772    | 172.373    | 163.775    | 32.878     | 372.253    | 430.129    | 448.489    |
| Cd113 | 0.693      | 1.904      | 10.715     | 0.987      | 0.031      | 5.282      | 0.374      | 0.616      | 0.396      | 0.156      |
| Sn120 | 43.874     | 153.795    | 39.301     | 7.552      | 0.406      | 61.074     | 90.934     | 62.070     | 24.082     | 15.907     |
| Sb121 | 13.221     | 16.259     | 170.215    | 10.829     | 1.038      | 10.205     | 8.674      | 4.333      | 3.497      | 1.184      |
| Te128 | 0.335      | 1.127      | 4.246      | 0.314      | 0.157      | 2.004      | 2.868      | 0.817      | 0.153      | 0.164      |
| Pb206 | 60.987     | 178.785    | 1247.578   | 120.605    | 2.294      | 24.006     | 19.854     | 5.779      | 27.822     | 39.218     |
| Bi209 | 1.013      | 1.859      | 10.292     | 0.646      | 0.035      | 0.958      | 0.063      | 0.318      | 0.108      | 0.031      |

| LK16       | LK17       | LK20       | LK21       | LK22       | LK24       | LK25       | LK26       | LK27       | LK28       | LK29       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 44.858     | 16.103     | 35.846     | 19.037     | 14.622     | 7.030      | 8.156      | 27.120     | 1.412      | 2.999      | 55.704     |
| 986.805    | 269.450    | 73.191     | 239.881    | 437.822    | 417.138    | 107.469    | 761.402    | 230.260    | 162.591    | 1946.609   |
| 1790.192   | 1000.834   | 2038.693   | 663.579    | 1297.089   | 2568.081   | 1913.412   | 2368.581   | 607.469    | 202.810    | 2808.043   |
| 4.996      | 2.034      | 3.149      | 66.916     | 3.775      | 3.069      | 2.545      | 2.963      | 0.570      | 0.391      | 3.131      |
| 27.015     | 17.560     | 5.718      | 30.306     | 6.806      | 7.471      | 3.575      | 20.956     | 6.905      | 33.719     | 31.201     |
| 965.464    | 282.625    | 1757.237   | 1352.896   | 213.520    | 168.970    | 91.853     | 653.544    | 3936.468   | 6824.237   | 1367.431   |
| 15.159     | 3.264      | 8.324      | 2.546      | 3.476      | 3.647      | 2.747      | 0.313      | 0.617      | 2.036      | 0.611      |
| 9.206      | 238.088    | 15.286     | 7.154      | 11.181     | 11.106     | 12.857     | 27.482     | 8.530      | 5.548      | 2.299      |
| 995795.055 | 997914.743 | 995940.339 | 993603.158 | 997573.534 | 996510.244 | 997447.931 | 995935.081 | 994720.822 | 992412.775 | 993252.767 |
| 9.070      | 5.258      | 7.021      | 10.204     | 22.546     | 8.525      | 2.668      | 17.502     | 7.018      | 11.233     | 14.309     |
| 1.774      | 1.874      | 2.830      | 5.581      | 6.328      | 0.799      | 2.649      | 2.167      | 109.178    | 82.845     | 3.806      |
| 159.180    | 0.744      | 0.000      | 3821.562   | 63.413     | 0.540      | 0.068      | 1.051      | 0.000      | 0.000      | 0.000      |
| 105.460    | 205.119    | 95.741     | 132.968    | 225.001    | 280.380    | 360.135    | 160.129    | 315.671    | 235.622    | 507.194    |
| 0.777      | 0.221      | 0.455      | 0.143      | 0.943      | 0.147      | 0.195      | 0.423      | 0.006      | 0.086      | 0.079      |
| 55.698     | 24.848     | 13.738     | 21.268     | 84.806     | 8.398      | 37.509     | 6.008      | 18.985     | 15.230     | 3.981      |
| 6.105      | 3.261      | 0.660      | 11.932     | 12.362     | 0.619      | 1.593      | 1.617      | 0.089      | 0.111      | 0.441      |
| 0.080      | 0.072      | 0.108      | 1.084      | 0.041      | 0.088      | 0.041      | 0.035      | 0.058      | 0.057      | 0.065      |
| 23.034     | 13.842     | 1.630      | 9.718      | 22.524     | 3.685      | 4.572      | 13.467     | 35.939     | 7.621      | 2.312      |
| 0.072      | 0.057      | 0.034      | 0.066      | 0.214      | 0.063      | 0.024      | 0.002      | 0.087      | 0.017      | 0.021      |

| LK30       | LN08       | LN15       | LN19       | LN20       | LN31       | LN32       | LN33       | LN34       | LN35       | LN36       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 7.964      | 9.088      | 1.056      | 29.306     | 8.522      | 35.770     | 1.189      | 0.849      | 53.034     | 4.508      | 11.560     |
| 173.620    | 76.180     | 449.076    | 279.989    | 406.745    | 2855.843   | 96.286     | 62.855     | 752.918    | 131.482    | 319.755    |
| 1318.711   | 1129.012   | 387.611    | 72.574     | 289.468    | 5669.430   | 286.715    | 99.834     | 288.553    | 125.037    | 735.288    |
| 1.395      | 2.135      | 2.837      | 1.191      | 3.834      | 4.620      | 1.489      | 1.486      | 1.466      | 1.468      | 0.948      |
| 2.421      | 23.337     | 1.373      | 37.341     | 25.221     | 8.243      | 1.664      | 1.414      | 7.767      | 2.188      | 11.531     |
| 388.524    | 6309.854   | 50.197     | 556.224    | 3859.641   | 527.141    | 26.937     | 27.152     | 263.256    | 43.739     | 294.694    |
| 0.862      | 22.846     | 0.427      | 1.908      | 2.612      | 9.572      | 3.291      | 3.314      | 0.581      | 4.659      | 0.171      |
| 3.442      | 104.140    | 1.882      | 81.476     | 31.899     | 13.351     | 7.015      | 3.992      | 4.377      | 2.533      | 21.583     |
| 997944.902 | 991986.592 | 998859.905 | 998533.764 | 994337.063 | 990023.349 | 999087.566 | 999303.088 | 998327.922 | 999461.625 | 998325.902 |
| 23.442     | 4.573      | 5.843      | 15.634     | 16.905     | 7.193      | 0.397      | 0.417      | 4.186      | 2.193      | 7.410      |
| 0.902      | 8.559      | 0.858      | 19.289     | 37.227     | 70.241     | 344.104    | 46.578     | 56.120     | 3.640      | 2.265      |
| 0.000      | 1.003      | 50.564     | 16.898     | 504.034    | 13.330     | 21.499     | 23.371     | 14.179     | 17.945     | 14.498     |
| 127.587    | 55.484     | 180.647    | 171.345    | 366.459    | 759.111    | 120.944    | 424.624    | 205.939    | 186.903    | 88.543     |
| 0.035      | 3.663      | 0.291      | 2.785      | 1.949      | 0.174      | 0.068      | 0.010      | 0.216      | 0.239      | 2.261      |
| 0.081      | 227.968    | 0.516      | 122.105    | 89.139     | 0.266      | 0.120      | 0.108      | 0.430      | 0.451      | 136.729    |
| 0.235      | 12.525     | 2.900      | 12.009     | 7.804      | 0.303      | 0.061      | 0.204      | 0.665      | 1.107      | 6.252      |
| 0.070      | 0.421      | 0.046      | 0.161      | 0.358      | 0.095      | 0.174      | 0.159      | 0.085      | 0.087      | 0.052      |
| 5.787      | 22.577     | 3.913      | 45.727     | 11.082     | 1.930      | 0.478      | 0.533      | 18.170     | 10.115     | 20.521     |
| 0.038      | 0.043      | 0.061      | 0.275      | 0.037      | 0.038      | 0.003      | 0.010      | 0.136      | 0.081      | 0.037      |

| LN37       | LN38       | LN39       | LN40       | LN41       | LN42       | LN46       | LN48       | LN49       | LN50       | LN51       |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| 6.741      | 62.547     | 10.556     | 6.848      | 18.437     | 3.810      | 1.763      | 11.506     | 148.118    | 1.126      | 1.073      |
| 220.285    | 1560.241   | 235.806    | 236.471    | 241.788    | 3707.958   | 19.896     | 123.397    | 88.451     | 35.757     | 2.878      |
| 493.531    | 1446.149   | 544.259    | 424.998    | 879.849    | 619.114    | 77.822     | 283.583    | 239.201    | 100.771    | 15.948     |
| 0.859      | 2.519      | 0.691      | 0.579      | 0.419      | 0.000      | 3.213      | 1.435      | 2.470      | 1.213      | 0.071      |
| 7.784      | 13.857     | 24.544     | 6.171      | 60.577     | 284.692    | 23.357     | 63.197     | 52.614     | 2.545      | 2.500      |
| 339.140    | 960.016    | 1331.843   | 389.805    | 3398.512   | 952.496    | 1775.140   | 6561.350   | 1537.611   | 1168.451   | 240.758    |
| 0.503      | 1.366      | 0.473      | 0.051      | 1.885      | 22.460     | 0.123      | 0.090      | 0.067      | 0.012      | 3.051      |
| 10.063     | 6.942      | 3.051      | 2.340      | 4.006      | 39.232     | 9.891      | 6.994      | 0.482      | 0.455      | 0.103      |
| 998696.885 | 995739.021 | 997579.282 | 998769.705 | 995004.855 | 990808.013 | 997868.207 | 992603.963 | 997243.561 | 998488.968 | 999646.267 |
| 6.231      | 8.288      | 1.255      | 6.526      | 1.759      | 148.876    | 18.476     | 70.305     | 11.090     | 8.220      | 0.139      |
| 2.491      | 4.277      | 14.731     | 6.041      | 26.275     | 113.636    | 2.356      | 3.224      | 379.677    | 1.643      | 0.177      |
| 13.565     | 11.166     | 11.552     | 9.747      | 117.901    | 2808.939   | 7.587      | 0.000      | 1.242      | 0.000      | 42.121     |
| 124.824    | 138.729    | 211.432    | 122.876    | 236.682    | 373.188    | 159.399    | 269.828    | 288.658    | 190.054    | 44.288     |
| 1.065      | 0.439      | 0.239      | 0.137      | 0.051      | 1.234      | 0.328      | 0.067      | 0.032      | 0.363      | 0.012      |
| 57.239     | 31.410     | 22.050     | 6.717      | 4.033      | 91.129     | 25.749     | 0.261      | 2.686      | 0.045      | 0.423      |
| 3.908      | 2.174      | 0.805      | 0.368      | 0.173      | 0.657      | 1.676      | 0.127      | 0.151      | 0.017      | 0.029      |
| 0.085      | 0.084      | 0.066      | 0.060      | 0.128      | 0.152      | 0.041      | 0.041      | 0.112      | 0.056      | 0.025      |
| 14.779     | 10.718     | 7.345      | 10.534     | 2.665      | 24.373     | 4.949      | 0.629      | 3.764      | 0.302      | 0.135      |
| 0.022      | 0.057      | 0.022      | 0.025      | 0.004      | 0.040      | 0.027      | 0.003      | 0.012      | 0.001      | 0.003      |

| LN52       | LN53       |
|------------|------------|
| 0.000      | 0.000      |
| 44.255     | 5.322      |
| 977.132    | 98.155     |
| 3699.467   | 133.530    |
| 0.805      | 0.383      |
| 15.712     | 0.279      |
| 595.635    | 57.006     |
| 2.069      | 0.414      |
| 0.521      | 0.780      |
| 993958.922 | 999525.584 |
| 15.330     | 0.630      |
| 209.586    | 0.511      |
| 42.255     | 44.010     |
| 430.914    | 132.699    |
| 0.058      | 0.044      |
| 0.824      | 0.209      |
| 5.567      | 0.063      |
| 0.014      | 0.021      |
| 0.756      | 0.354      |
| 0.179      | 0.005      |

| Debitage | LN D1     | LN D3     | LN D5     | LN D6     | LN D7     | LN D8     | LN D10    | LN D11    | LN D12    | LN D13    | LN D14    | LK D1     |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Be       | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| Mg       | 10.95     | 11.17     | 10.04     | 4.65      | 1.87      | 6.52      | 2.94      | 15.03     | 2.23      | 7.03      | 23.39     | 37.34     |
| Al27     | 76.83     | 316.95    | 287.64    | 209.09    | 51.71     | 217.35    | 147.93    | 188.85    | 51.73     | 211.88    | 422.95    | 29.34     |
| P31      | 145.07    | 1199.19   | 863.30    | 731.96    | 159.32    | 1344.12   | 235.06    | 446.90    | 175.64    | 806.98    | 1314.51   | 597.60    |
| Cr53     | 4.67      | 4.08      | 3.56      | 2.53      | 2.46      | 4.28      | 4.90      | 2.97      | 2.15      | 4.39      | 3.09      | 7.79      |
| Mn55     | 14.29     | 91.30     | 87.81     | 90.96     | 9.19      | 13.59     | 19.99     | 35.02     | 12.60     | 33.64     | 36.95     | 94.55     |
| Fe57     | 914.78    | 7298.11   | 6395.45   | 4197.10   | 1781.59   | 3996.24   | 2740.92   | 3860.55   | 605.03    | 3568.88   | 1883.62   | 4979.11   |
| Co59     | 10.49     | 3.34      | 2.86      | 0.57      | 1.53      | 1.91      | 4.31      | 13.30     | 1.39      | 0.94      | 0.28      | 1.29      |
| Ni60     | 127.83    | 19.20     | 21.75     | 5.34      | 1.57      | 6.94      | 33.97     | 62.24     | 29.06     | 11.38     | 1.34      | 3.26      |
| Cu63     | 998328.54 | 990648.41 | 991985.51 | 994513.66 | 997757.40 | 993236.35 | 996499.20 | 995173.21 | 998884.33 | 995091.25 | 995905.63 | 993763.11 |
| Zn66     | 1.82      | 4.35      | 4.34      | 0.68      | 0.26      | 11.66     | 0.77      | 0.98      | 0.40      | 2.29      | 0.54      | 4.11      |
| As75     | 46.49     | 65.15     | 5.46      | 1.60      | 6.49      | 727.52    | 5.09      | 2.04      | 27.71     | 16.97     | 8.45      | 58.59     |
| Se82     | 0.16      | 0.15      | 0.16      | 0.11      | 0.18      | 0.30      | 0.15      | 0.21      | 0.23      | 0.15      | 0.09      | 36.40     |
| Ag107    | 308.28    | 320.95    | 319.85    | 239.27    | 225.23    | 428.37    | 267.07    | 180.24    | 203.80    | 232.47    | 390.21    | 371.08    |
| Cd113    | 0.03      | 0.05      | 0.07      | 0.05      | 0.02      | 0.06      | 0.71      | 0.47      | 0.09      | 0.17      | 0.09      | 0.07      |
| Sn120    | 4.59      | 2.30      | 0.69      | 0.31      | 0.15      | 0.44      | 28.57     | 15.29     | 2.16      | 6.70      | 6.81      | 1.83      |
| Sb121    | 0.16      | 0.24      | 0.23      | 0.20      | 0.09      | 0.20      | 3.38      | 0.84      | 1.35      | 0.62      | 0.16      | 11.32     |
| Te128    | 0.02      | 0.02      | 0.02      | 0.02      | 0.02      | 0.03      | 0.01      | 0.01      | 0.01      | 0.01      | 0.01      | 0.00      |
| Pb206    | 5.01      | 15.04     | 11.27     | 1.91      | 0.94      | 4.13      | 5.04      | 1.84      | 0.08      | 4.25      | 1.87      | 3.22      |
| Bi209    | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |

| LK D2     | LK D3     | LK D4     | LK D6     | LK D8     | LK D12    | LK D13    | LK D14    | LK D15    |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| 21.52     | 12.13     | 70.94     | 10.98     | 21.25     | 20.50     | 41.30     | 35.53     | 329.39    |
| 13.91     | 27.96     | 47.64     | 75.31     | 80.50     | 63.99     | 84.89     | 81.11     | 19.52     |
| 197.09    | 303.59    | 1041.74   | 260.39    | 490.06    | 508.98    | 1251.87   | 1412.11   | 290.57    |
| 5.35      | 9.64      | 7.13      | 5.84      | 5.37      | 0.85      | 1.19      | 1.08      | 3.83      |
| 45.83     | 39.22     | 126.20    | 15.29     | 25.87     | 27.25     | 43.23     | 82.29     | 981.05    |
| 1823.98   | 3242.97   | 4368.66   | 1130.61   | 2225.21   | 1823.91   | 2681.34   | 2233.38   | 3290.26   |
| 0.30      | 0.61      | 0.49      | 2.38      | 2.24      | 3.46      | 2.03      | 2.21      | 2.67      |
| 3.73      | 8.09      | 5.07      | 6.52      | 11.63     | 44.42     | 52.15     | 25.48     | 2.66      |
| 997581.64 | 996022.56 | 993966.23 | 998018.41 | 996661.85 | 997100.81 | 995427.22 | 995835.04 | 994362.60 |
| 1.57      | 7.67      | 2.40      | 0.86      | 5.84      | 3.57      | 2.78      | 1.71      | 3.23      |
| 8.18      | 10.34     | 13.40     | 4.79      | 188.84    | 9.56      | 11.87     | 10.98     | 32.55     |
| 36.49     | 39.96     | 20.70     | 35.53     | 33.36     | 11.79     | 11.41     | 10.24     | 21.87     |
| 258.19    | 271.96    | 326.76    | 405.95    | 220.80    | 299.56    | 272.34    | 227.24    | 656.07    |
| 0.48      | 0.09      | 0.10      | 0.18      | 0.23      | 1.30      | 0.97      | 0.80      | 0.14      |
| 0.12      | 0.19      | 0.22      | 14.22     | 8.71      | 77.58     | 96.49     | 37.35     | 0.45      |
| 0.23      | 2.34      | 0.10      | 1.50      | 1.25      | 1.30      | 1.77      | 1.32      | 0.11      |
| 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |
| 1.38      | 0.71      | 2.22      | 11.25     | 16.99     | 1.17      | 17.15     | 2.15      | 3.03      |
| 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      | 0.00      |





| Manufacturing Debris | LKMD1      | LKMD2      | LKMD3      | LNMD1      | LNMD2      | LNMD3      |
|----------------------|------------|------------|------------|------------|------------|------------|
| Be                   | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| Mg                   | 129.683    | 301.341    | 119.552    | 3.548      | 18.250     | 1.484      |
| Al27                 | 641.275    | 113.343    | 29.136     | 376.679    | 1792.658   | 30.496     |
| P31                  | 12140.781  | 1052.831   | 1395.749   | 326.579    | 6370.503   | 125.345    |
| Cr53                 | 6.846      | 2.077      | 1.342      | 0.478      | 4.742      | 0.216      |
| Mn55                 | 35.177     | 97.750     | 309.048    | 2.536      | 8.744      | 2.258      |
| Fe57                 | 13145.920  | 3325.477   | 11548.416  | 83.470     | 409.921    | 53.521     |
| Co59                 | 2.792      | 1.835      | 0.155      | 2.718      | 0.234      | 0.102      |
| Ni60                 | 1.275      | 0.712      | 8.135      | 0.490      | 0.355      | 0.737      |
| Cu63                 | 973596.766 | 994705.367 | 986239.468 | 985750.728 | 991105.485 | 999689.672 |
| Zn66                 | 4.054      | 1.572      | 0.813      | 0.981      | 3.674      | 0.377      |
| As75                 | 25.322     | 72.695     | 35.472     | 13162.380  | 71.885     | 2.737      |
| Se82                 | 2.510      | 4.024      | 6.754      | 0.713      | 1.488      | 4.263      |
| Ag107                | 261.354    | 317.291    | 300.146    | 287.925    | 209.937    | 88.238     |
| Cd113                | 0.107      | 0.031      | 0.020      | 0.014      | 0.089      | 0.013      |
| Sn120                | 3.603      | 0.156      | 0.187      | 0.301      | 1.257      | 0.360      |
| Sb121                | 0.815      | 0.091      | 0.086      | 0.081      | 0.077      | 0.057      |
| Te128                | 0.067      | 0.081      | 0.035      | 0.058      | 0.028      | 0.044      |
| Pb206                | 1.634      | 3.320      | 5.443      | 0.306      | 0.663      | 0.080      |
| Bi209                | 0.018      | 0.007      | 0.045      | 0.014      | 0.010      | 0.002      |


| Raw Material | LNRM1      | LNRM2      | LNRM3      | LNRM4      | LNRM5      | LKRM1      | LKRM2      | LKRM3      | LKRM4      | LKRM5      |
|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Be           | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      | 0.000      |
| Mg           | 0.556      | 1.139      | 9.680      | 0.160      | 0.679      | 13.676     | 17.007     | 10.968     | 15.354     | 17.755     |
| Al27         | 24.587     | 120.261    | 117.081    | 21.937     | 11.458     | 72.471     | 38.118     | 22.941     | 124.351    | 11.396     |
| P31          | 26.345     | 82.293     | 54.984     | 15.176     | 13.534     | 358.194    | 167.289    | 95.284     | 374.252    | 502.720    |
| Cr53         | 4.747      | 5.635      | 3.610      | 3.284      | 3.679      | 3.330      | 1.463      | 1.379      | 0.748      | 1.690      |
| Mn55         | 1.256      | 0.593      | 2.825      | 0.150      | 0.100      | 17.816     | 9.075      | 5.193      | 17.693     | 80.417     |
| Fe57         | 138.923    | 70.381     | 135.613    | 150.802    | 18.063     | 618.862    | 416.461    | 84.010     | 327.429    | 2464.513   |
| Co59         | 0.069      | 0.017      | 0.100      | 0.587      | 0.008      | 1.016      | 0.345      | 0.712      | 0.052      | 0.049      |
| Ni60         | 8.966      | 1.206      | 1.684      | 0.100      | 0.333      | 32.603     | 12.081     | 4.789      | 1.694      | 15.427     |
| Cu63         | 999548.544 | 999404.653 | 999514.598 | 999600.658 | 998775.181 | 997282.451 | 998408.086 | 999519.751 | 998750.924 | 996508.047 |
| Zn66         | 8.069      | 13.671     | 2.094      | 3.172      | 2.016      | 0.366      | 0.462      | 0.647      | 0.326      | 0.274      |
| As75         | 6.031      | 4.534      | 0.131      | 0.442      | 0.280      | 5.824      | 5.903      | 1.509      | 10.234     | 31.264     |
| Se82         | 32.670     | 19.112     | 13.058     | 0.685      | 4.376      | 1375.200   | 684.304    | 100.752    | 87.095     | 127.188    |
| Ag107        | 192.618    | 268.621    | 143.315    | 202.138    | 1168.295   | 201.681    | 206.475    | 136.920    | 288.102    | 236.256    |
| Cd113        | 0.143      | 0.055      | 0.020      | 0.012      | 0.102      | 0.071      | 0.283      | 0.205      | 0.013      | 0.124      |
| Sn120        | 5.402      | 3.487      | 0.945      | 0.642      | 1.691      | 13.721     | 0.413      | 5.844      | 0.074      | 1.862      |
| Sb121        | 0.150      | 0.411      | 0.038      | 0.014      | 0.022      | 0.804      | 2.529      | 0.311      | 0.159      | 0.374      |
| Te128        | 0.024      | 0.267      | 0.017      | 0.039      | 0.032      | 0.072      | 0.077      | 0.061      | 0.049      | 0.037      |
| Pb206        | 0.887      | 3.660      | 0.206      | 0.000      | 0.050      | 1.827      | 29.565     | 8.647      | 1.446      | 0.605      |
| Bi209        | 0.013      | 0.004      | 0.002      | 0.002      | 0.102      | 0.016      | 0.063      | 0.076      | 0.005      | 0.001      |


## **APPENDIX F**

### **INDIVIDUAL ARTIFACT DATA SHEETS**

|  |   |
|--|---|
| Catalog Number: 11-1<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.41<br>Width: 18.03<br>Thickness: 2.53<br>Weight: 1.01   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> appears to be broken due to corrosion on both ends   |   |

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| Catalog Number: 11-2<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.04<br>Width: 33.64<br>Thickness: 6.20<br>Weight: 3.43   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> heavily corroded portion of a fish hook. Corrosion eating well into the margins of the object  |   |


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| Catalog Number: 11-3<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.67<br>Width: 19.67<br>Thickness: 2.24<br>Weight: 0.51   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | Heavily corroded, very thin   |


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| Catalog Number: 11-4<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.45<br>Width: 30.30<br>Thickness: 3.13<br>Weight: 1.64   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> less corrosion than those above, missing both ends though  |   |


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| Catalog Number: 11-5<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.05<br>Width: 14.19<br>Thickness: 2.06<br>Weight: 0.44   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |


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| <b>Comment:</b> | extra bend at proximal end toward the interior |
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| Catalog Number: 11-6<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.80<br>Width: 25.91<br>Thickness: 2.79<br>Weight: 0.99  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 11-7<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.23<br>Width: 25.36<br>Thickness: 2.42<br>Weight: 1.06  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |


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| Catalog Number: 11-8<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.86<br>Width: 23.39<br>Thickness: 1.76<br>Weight: 0.53  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

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| Catalog Number: 11-9<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.00<br>Width: 20.11<br>Thickness: 2.11<br>Weight: 0.62   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: 11-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: J<br>Functional Element Shape: > 90<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 18.38<br>Width: 14.85<br>Thickness: 3.28<br>Weight: 1.13   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>  |   |


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|--|---|
| Catalog Number: 11-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.88<br>Width: 24.94<br>Thickness: 2.58<br>Weight: 1.22   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: 11-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.49<br>Width: 16.56<br>Thickness: 2.27<br>Weight: 0.64   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: 11-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A   | <b>Metric Analysis:</b><br>Length: 35.90<br>Width: 25.63<br>Thickness: 2.81<br>Weight: 1.31   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|  <p>The image shows two views of a fish hook artifact. Above the views is a scale bar with alternating black and white segments. The hook is curved, with a pointed distal end and a wider proximal end. The left view shows the hook from a side angle, and the right view shows it from a slightly different perspective, possibly the back or front. The artifact appears to be made of a dark, textured material, possibly bone or wood.</p> |   |
| <b>Comment:</b>  |   |





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| Catalog Number: 11-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.63<br>Width: 29.39<br>Thickness: 3.86<br>Weight: 2.32  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |


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| Catalog Number: 11-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J or K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.98<br>Width: 19.93<br>Thickness: 2.58<br>Weight: 0.84  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |


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| Catalog Number: 11-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.43<br>Width: 21.66<br>Thickness: 2.92<br>Weight: 0.82  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |

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| Catalog Number: 11-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.22<br>Width: 17.26<br>Thickness: 4.49<br>Weight: 3.51   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: 11-18<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.70<br>Width: 31.37<br>Thickness: 4.14<br>Weight: 3.27   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


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| Catalog Number: 11-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.96<br>Width: 21.37<br>Thickness: 3.37<br>Weight: 1.54   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


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| Catalog Number: 11-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.16<br>Width: 25.27<br>Thickness: 2.50<br>Weight:   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 11-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.61<br>Width: 21.86<br>Thickness: 2.05<br>Weight: 0.70  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |





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| Catalog Number: 11-22<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.86<br>Width: 16.60<br>Thickness: 2.13<br>Weight: 0.69   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: 11-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.19<br>Width: 31.76<br>Thickness: 2.98<br>Weight: 3.02   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |


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| Catalog Number: 11-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Hook<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Worn<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A   | <b>Metric Analysis:</b><br>Length: 54.03<br>Width: 26.59<br>Thickness: 3.90<br>Weight: 3.37  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
| <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <p>Reverse Not<br/>Pictured</p> </div> <div style="text-align: center;">  </div> </div> |  |
| <b>Comment:</b>   | This hook has most of an eyelet on the proximal end and the use wear appears to be from a line tied into the eyelet  |

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| Catalog Number: 11-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.10<br>Width: 26.24<br>Thickness: 1.52<br>Weight: 1.73  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> This hook has a straighter "base" as oppsed to many which are much more curved   |  |


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| Catalog Number: 11-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.63<br>Width: 28.31<br>Thickness: 3.18<br>Weight: 3.03   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | shallow curved base on this one   |


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| Catalog Number: 11-27<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.85<br>Width: 33.68<br>Thickness: 3.63<br>Weight: 3.50  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Very flat base on this one   |  |


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| Catalog Number: 11-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 40.46<br>Width: 26.98<br>Thickness: 2.89<br>Weight: 1.87   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b> shallowly curved based  |   |


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| Catalog Number: 11-29<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.18<br>Width: 20.61<br>Thickness: 3.16<br>Weight: 1.50  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Very flat base on this one   |





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| Catalog Number: 11-30<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.73<br>Width: 31.90<br>Thickness: 3.11<br>Weight: 2.75  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | shallowly curved based   |

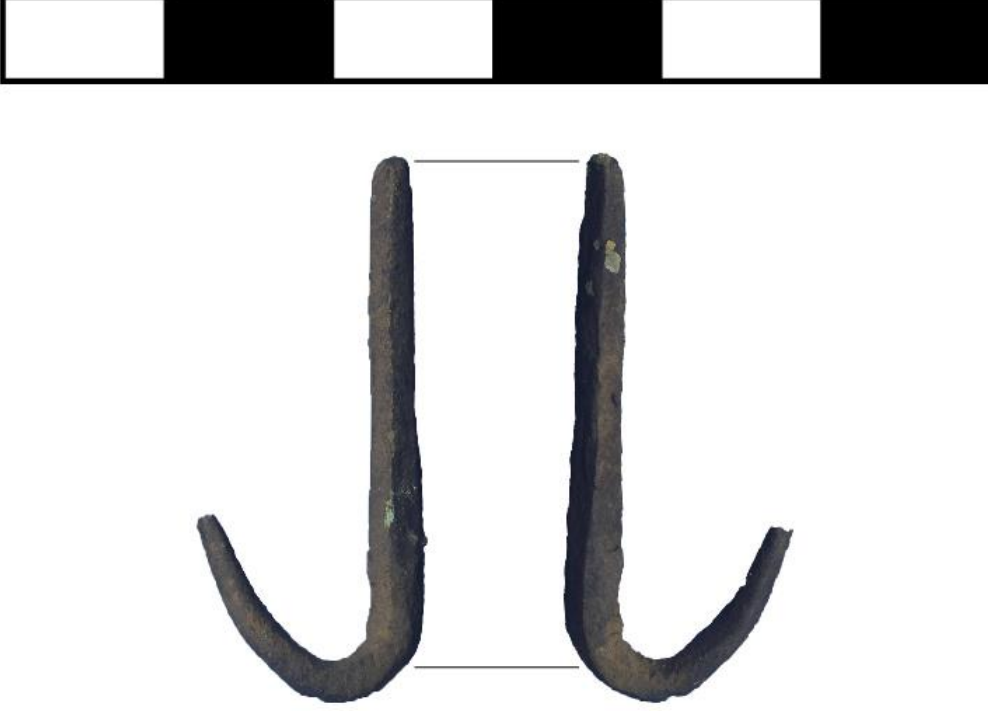
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| Catalog Number: 11-31<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Split<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 45.88<br>Width: 33.48<br>Thickness: 3.50<br>Weight: 2.44   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | shallowly curved based  |


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| Catalog Number: 11-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.49<br>Width: 34.22<br>Thickness: 3.34<br>Weight: 2.49   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Very flat base on this one  |

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| Catalog Number: 11-33<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Hook<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 64.01<br>Width: 7.10<br>Thickness: 0.98<br>Weight: 3.53   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Maybe an awl with a hook proximal end for hafting in a bone/wood handle   |  |


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| Catalog Number: 11-34<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: G<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.16<br>Width: 17.75<br>Thickness: 2.25<br>Weight: 0.52  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | shallowly curved based   |

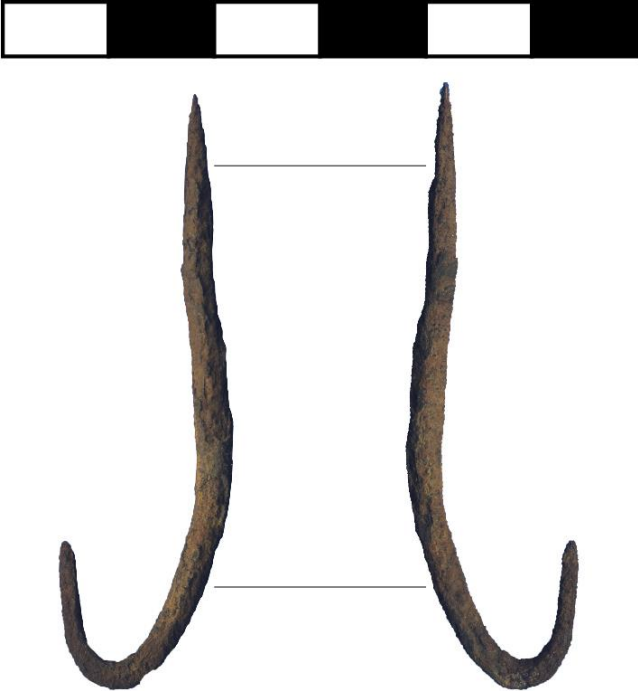
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| Catalog Number: 11-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A         | <b>Metric Analysis:</b><br>Length: 36.55<br>Width: 24.40<br>Thickness: 2.35<br>Weight:   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
| <div style="text-align: center;">  </div> <div style="text-align: right; font-size: 24pt; margin-top: 100px;">       Reverse Not<br/>Pictured     </div> |  |
| <b>Comment:</b> didn't get weight due to fragility   |  |

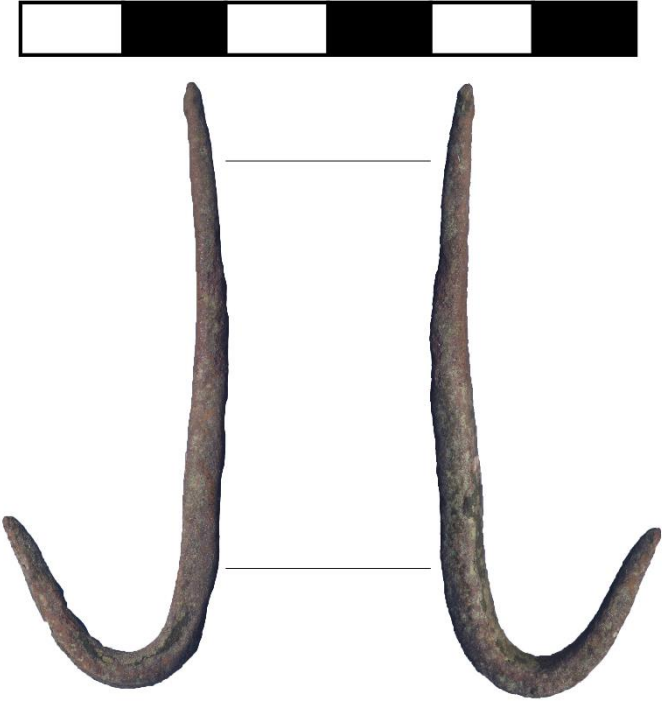
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| Catalog Number: 11-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.29<br>Width: 11.42<br>Thickness: 3.44<br>Weight: 1.57   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> tight curve with straight shaft  |   |


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| Catalog Number: 11-37<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.97<br>Width: 18.82<br>Thickness: 2.19<br>Weight: 0.60  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | shallowly curved based   |





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| Catalog Number: 11-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.58<br>Width: 15.75<br>Thickness: 3.93<br>Weight: 4.23  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |


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| Catalog Number: 11-39<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.10<br>Width: 15.10<br>Thickness: 3.27<br>Weight: 2.41  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|    |  |
| <b>Comment:</b> Tight curve with bulbous bent shaft  |  |

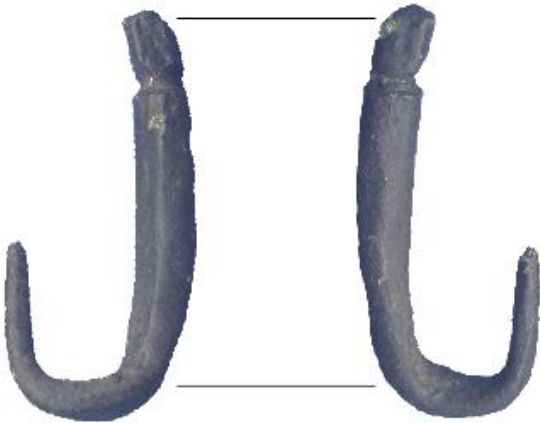
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| Catalog Number: 11-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.04<br>Width: 20.98<br>Thickness: 4.25<br>Weight: 7.11  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

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| Catalog Number: 11-41<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.07<br>Width: 20.54<br>Thickness: 2.45<br>Weight: 0.85  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | shallow curved base on this one  |


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| Catalog Number: 11-42<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.46<br>Width: 9.28<br>Thickness: 2.37<br>Weight: 1.25   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Tight curve, w/ rectangle x-sect... seems to be trend that the rectangular cross-section hooks have tighter hooks  |


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| Catalog Number: 11-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.80<br>Width: 9.87<br>Thickness: 2.33<br>Weight: 0.97  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> Tight curve, square x-sect, some silver in the shaft   |   |

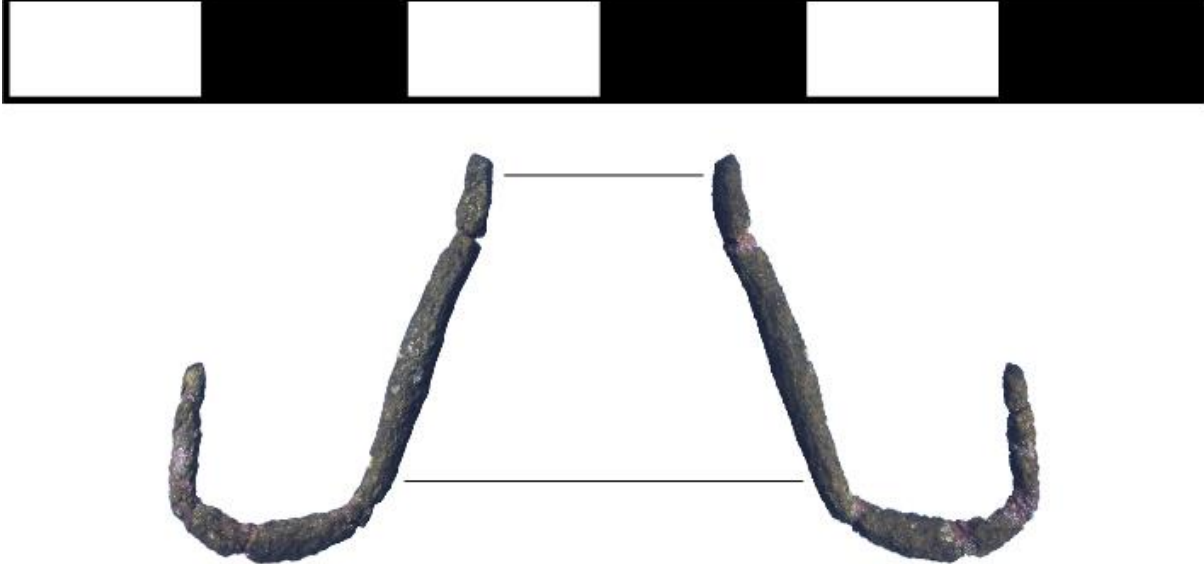
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| Catalog Number: 11-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: J<br>Functional Element Shape: > 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Groove<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 18.53<br>Width: 7.57<br>Thickness: 2.58<br>Weight: 0.61   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Very small hook tight curve, grooved line attachment.  |


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| Catalog Number: 11-45<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.59<br>Width: 8.74<br>Thickness: 2.62<br>Weight: 1.30   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Very small hook tight curve, grooved line attachment.  |  |





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| Catalog Number: 11-46<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.25<br>Width: 7.64<br>Thickness: 1.90<br>Weight: 0.49   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Very small hook tight curve, grooved line attachment.  |  |


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| Catalog Number: 11-47<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 15.98<br>Width: 8.88<br>Thickness: 2.51<br>Weight: 0.54   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b> Very small hook tight curve, grooved line attachment.  |  |


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| Catalog Number: 11-48<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 23.11<br>Width: 11.72<br>Thickness: 1.93<br>Weight: 0.52   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> Very small hook tight curve, no grooved line attachment.  |   |

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| Catalog Number: 11-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.64<br>Width: 41.95<br>Thickness: 3.66<br>Weight: 4.52   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Very flat base on this one  |


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| Catalog Number: 11-50<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.30<br>Width: 47.62<br>Thickness: 4.23<br>Weight: 7.02  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | shallow curved base on this one  |


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| Catalog Number: 11-51<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.59<br>Width: 24.86<br>Thickness: 3.02<br>Weight: 1.56   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | shallow curved base on this one   |


|  |   |
|--|---|
| Catalog Number: 11-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Curvate Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.24<br>Width: 27.99<br>Thickness: 2.42<br>Weight: 1.52   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> shallow curved base on this one  |   |


|  |  |
|--|--|
| Catalog Number: 11-53<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.76<br>Width: 16.56<br>Thickness: 2.43<br>Weight: 0.89  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | Very flat base on this one   |






|  |   |
|--|---|
| Catalog Number: 11-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 27.47<br>Width: 20.83<br>Thickness: 1.86<br>Weight: 0.80   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | shallow curved base on this one   |



|  |  |
|--|--|
| Catalog Number: 11-55<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.62<br>Width: 37.94<br>Thickness: 3.76<br>Weight: 4.86  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |  |
| <b>Comment:</b>  | Seems to have a chisel shaped end  |


|  |   |
|--|---|
| Catalog Number: 11-56<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.49<br>Width: 18.95<br>Thickness: 2.20<br>Weight: 0.68   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | shallow curved base on this one   |

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|--|--|
| Catalog Number: 11-57<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.39<br>Width: 10.92<br>Thickness: 2.89<br>Weight: 0.76  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | Very small hook, tight hook  |


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|--|--|
| Catalog Number: 11-58<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.83<br>Width: 18.40<br>Thickness: 3.44<br>Weight: 3.20  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | Tight curve  |


|  |   |
|--|---|
| Catalog Number: 11-59<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Cut<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.91<br>Width: 12.76<br>Thickness: 2.22<br>Weight: 1.36   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> Tight curve  |   |



|  |  |
|--|--|
| Catalog Number: 11-60<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Bulb<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.72<br>Width: 12.93<br>Thickness: 3.38<br>Weight: 2.78  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b> Tight curve, string on the mid-shaft   |  |



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|--|--|
| Catalog Number: 11-61<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.23<br>Width: 13.83<br>Thickness: 4.16<br>Weight: 4.76  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b> Tight Curve, shaft is bend toward hook   |  |





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|--|---|
| Catalog Number: 11-62<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.90<br>Width: 10.90<br>Thickness: 3.34<br>Weight: 1.39   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> Very small hook, tight hook  |   |


|  |   |
|--|---|
| Catalog Number: 11-63<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: Curvate Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.47<br>Width: 24.52<br>Thickness: 2.63<br>Weight: 1.28   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> shallow curved base, shaft is also curved, same direction as hook, might be called a circle hook   |   |

|   |   |
|---|---|
| Catalog Number: 11-64<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 60.67<br>Width: 12.29<br>Thickness: 2.14<br>Weight: 1.10   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Tight curve   |   |

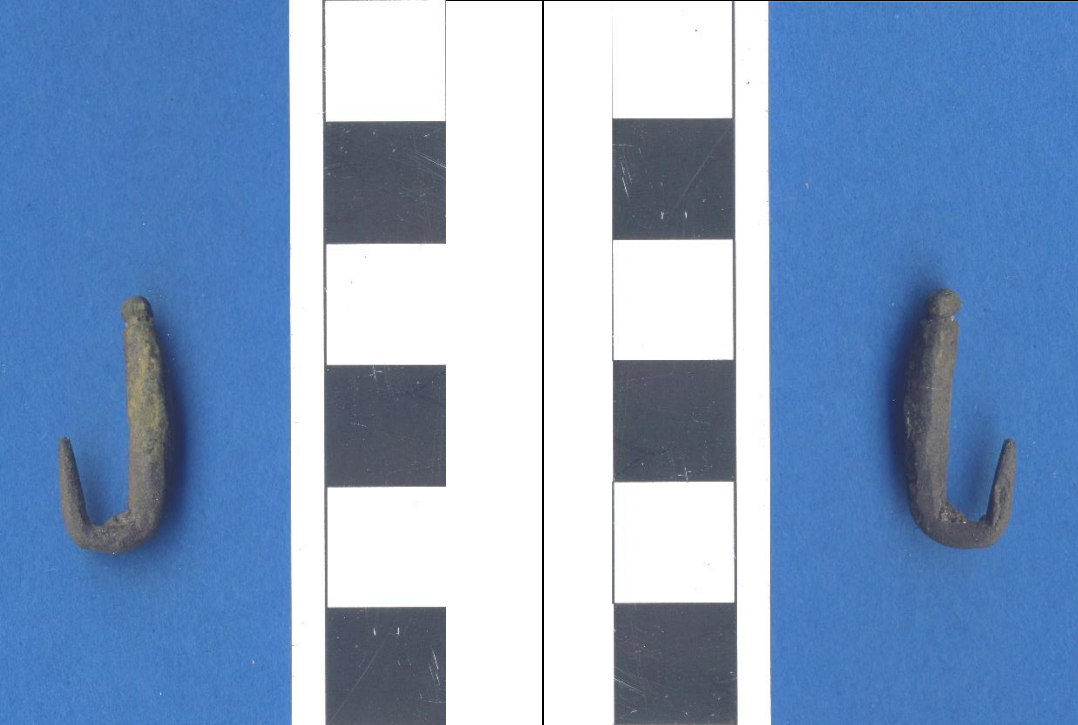
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|--|--|
| Catalog Number: 11-65<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.39<br>Width: 8.51<br>Thickness: 2.72<br>Weight: 0.97   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|    |  |
| <b>Comment:</b>  | Tight curve  |

|  |  |
|--|--|
| Catalog Number: 11-66<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.74<br>Width: 10.48<br>Thickness: 3.95<br>Weight: 2.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|    |  |
| <b>Comment:</b>  | Tight curve  |

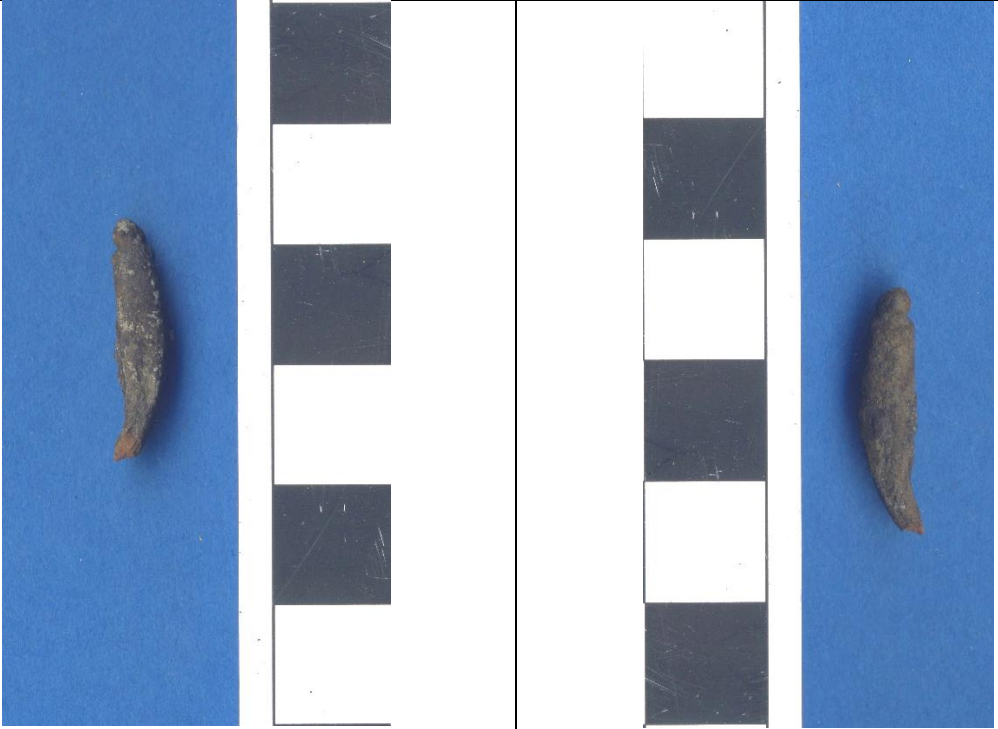
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|--|--|
| Catalog Number: 11-67<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.89<br>Width: 7.87<br>Thickness: 4.15<br>Weight: 1.11   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | Tight curve  |

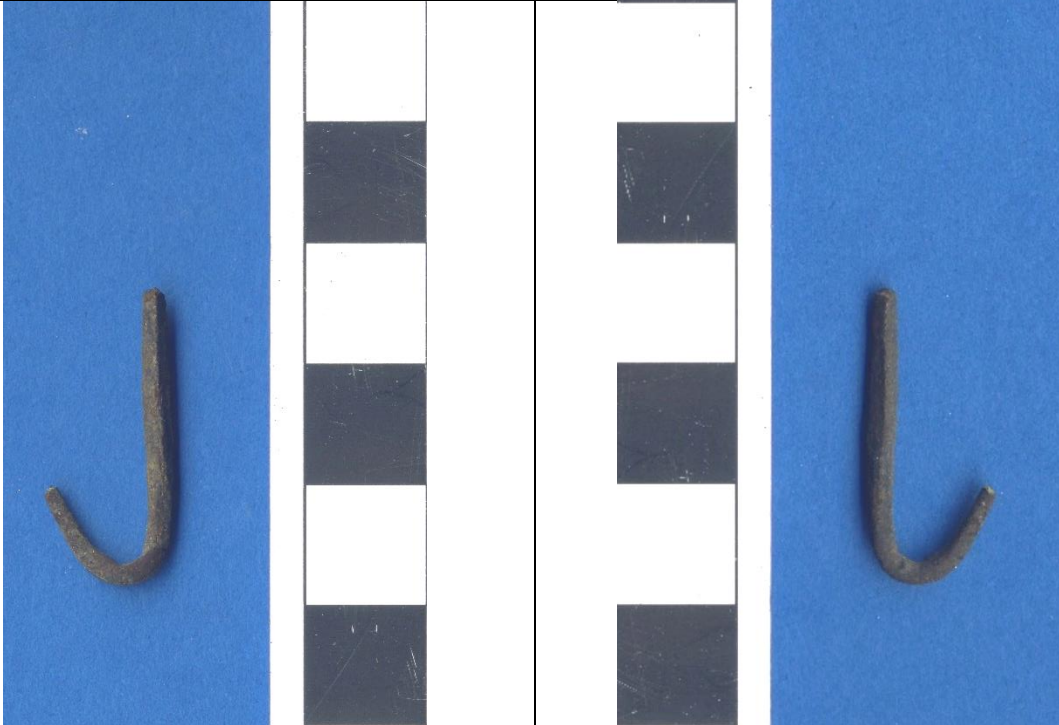
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| Catalog Number: 11-68<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.39<br>Width: 11.35<br>Thickness: 2.79<br>Weight: 1.40  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b> Tight curve  |  |  |

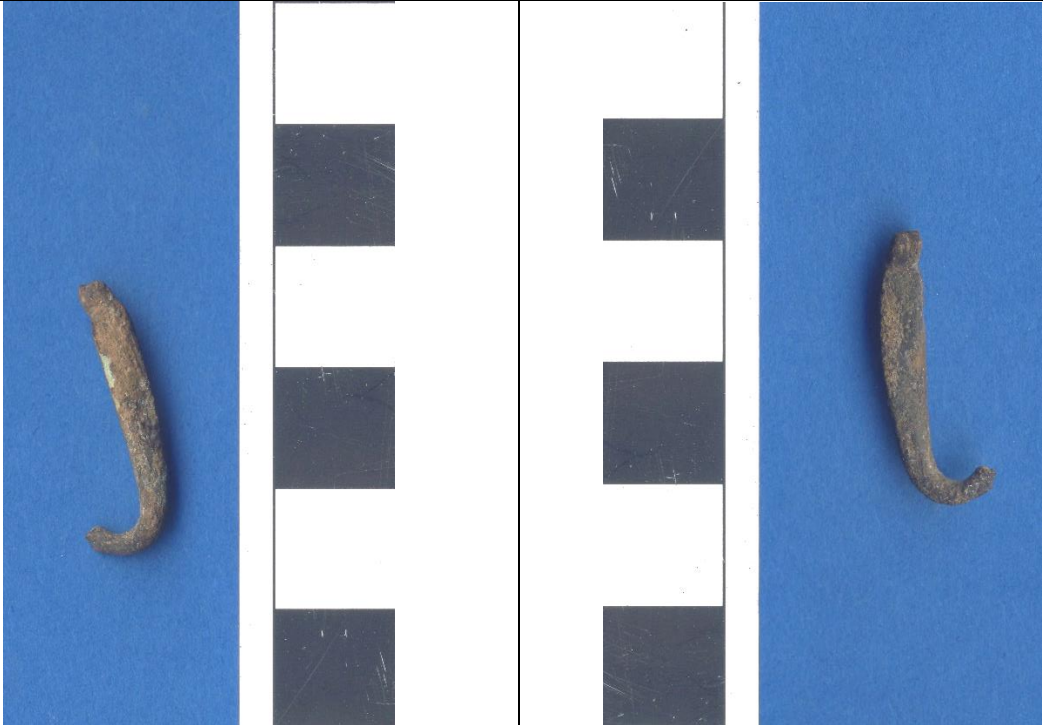



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| Catalog Number: 11-69<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.24<br>Width: 9.55<br>Thickness: 4.06<br>Weight: 1.93   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b> Tight curve  |  |  |




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| Catalog Number: 11-70<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.50<br>Width: 4.90<br>Thickness: 3.43<br>Weight: 1.39   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b> distal end is corroded away  |  |  |





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| Catalog Number: 11-71<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.60<br>Width: 10.99<br>Thickness: 2.13<br>Weight: 0.59  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> Tight curve  |  |  |


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| Catalog Number: 11-72<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.64<br>Width: 7.21<br>Thickness: 3.29<br>Weight: 1.10   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> Tight curve  |  |  |



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| Catalog Number: 11-73<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.78<br>Width: 14.24<br>Thickness: 2.52<br>Weight: 1.46  |  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |  |
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| <b>Comment:</b>  |  |  |  |

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| Catalog Number: 11-74<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.27<br>Width: 25.06<br>Thickness: 2.99<br>Weight: 2.35  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Shallow curved base  |  |







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| Catalog Number: 11-75<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |   |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 40.07<br>Width: 25.54<br>Thickness: 3.31<br>Weight: 2.06  |   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |   |  |
|   |   |  |  |
| <b>Comment:</b> Shallow curved base  |  |   |  |

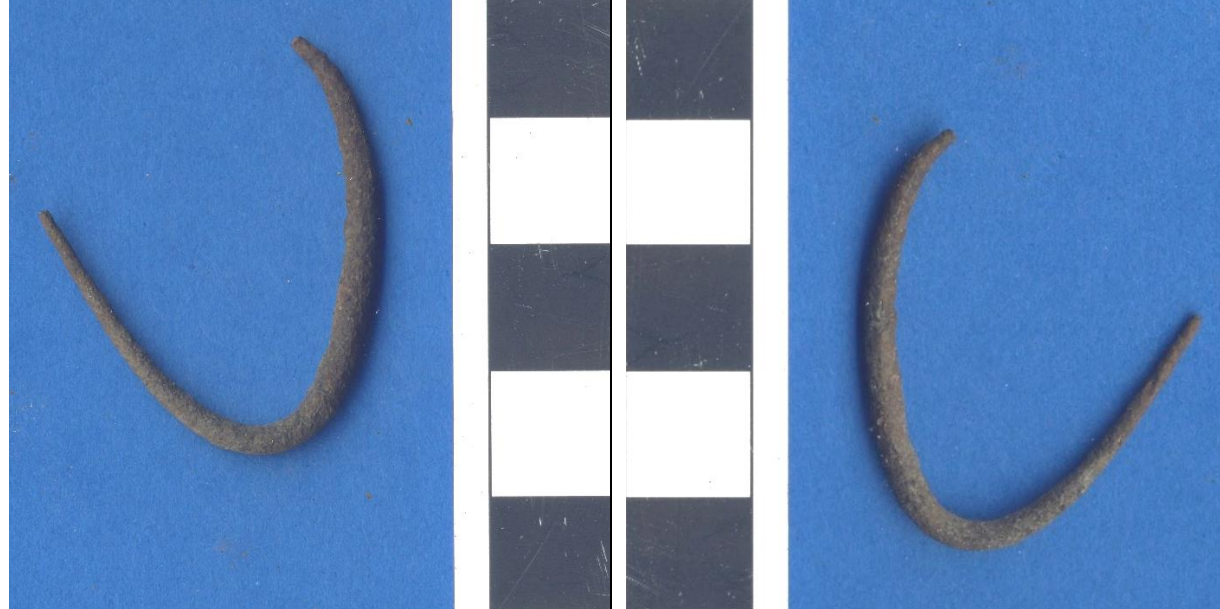
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| Catalog Number: 11-76<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.99<br>Width: 23.47<br>Thickness: 2.99<br>Weight: 2.58  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b> Flat base  |  |  |


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| Catalog Number: 11-77<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: K<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.52<br>Width: 34.68<br>Thickness: 3.60<br>Weight: 7.29  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | shallow curved base  |  |




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| Catalog Number: 11-78<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 45.68<br>Width: 32.92<br>Thickness: 3.11<br>Weight: 2.92  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | shallow curved base  |  |

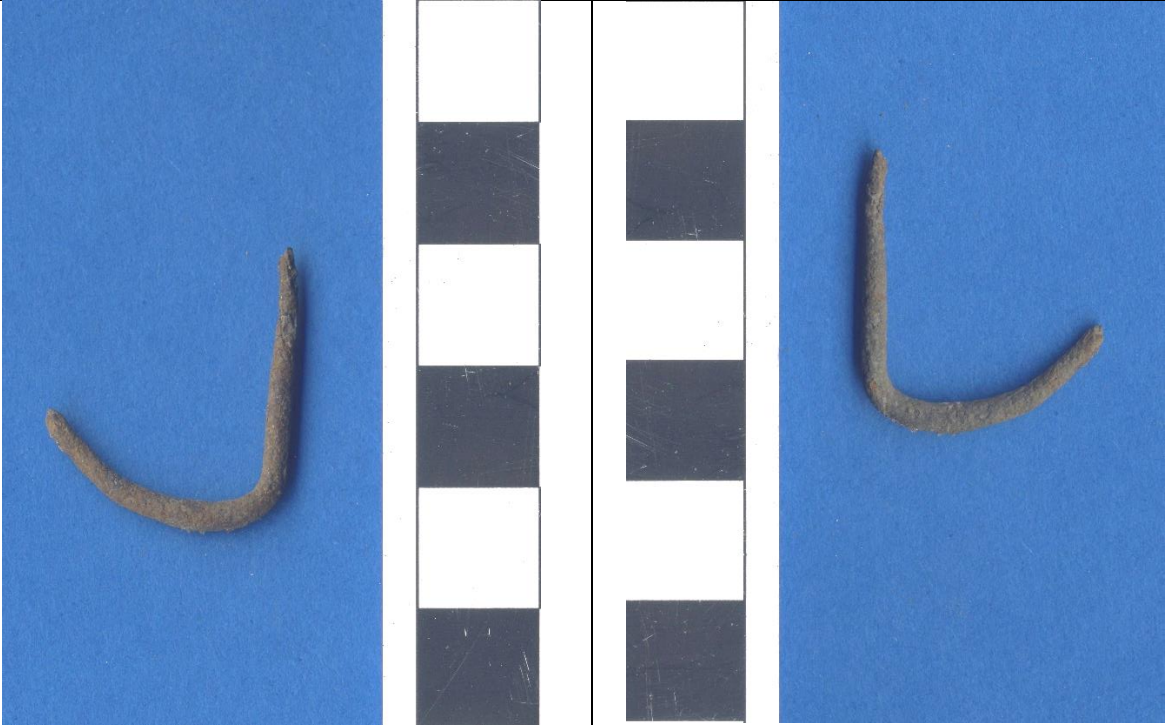
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| Catalog Number: 11-79<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Type: VII<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: > 90<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Curvate Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 48.78<br>Width: 33.90<br>Thickness: 3.27<br>Weight: 2.71   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Shallow curved base  |   |


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|--|---|--|
| Catalog Number: 11-80<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 32.64<br>Width: 26.90<br>Thickness: 2.70<br>Weight: 1.35   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment</b><br>:  | Shallow curved base   |  |


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|--|---|--|
| Catalog Number: 11-81<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.01<br>Width: 14.86<br>Thickness: 2.65<br>Weight: 0.92   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b> Tight curve  |   |  |




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|--|---|--|
| Catalog Number: 11-82<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.48<br>Width: 15.05<br>Thickness: 4.20<br>Weight: 5.37   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b> Tight curve, might be a hafted awl   |   |  |


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| Catalog Number: 11-83<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.91<br>Width: 21.02<br>Thickness: 2.21<br>Weight: 0.80  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b> Shallow curve base   |  |  |


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| Catalog Number: 11-84<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.07<br>Width: 12.43<br>Thickness: 1.78<br>Weight: 0.82  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | Tight hook curve   |



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| Catalog Number: 11-85<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.62<br>Width: 17.77<br>Thickness: 1.93<br>Weight: 1.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b> Tight hook curve   |  |




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| Catalog Number: 11-86<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: K<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.90<br>Width: 54.30<br>Thickness: 5.02<br>Weight:   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |  |  |
| <b>Comment:</b>  | Shallow curve base   |  |

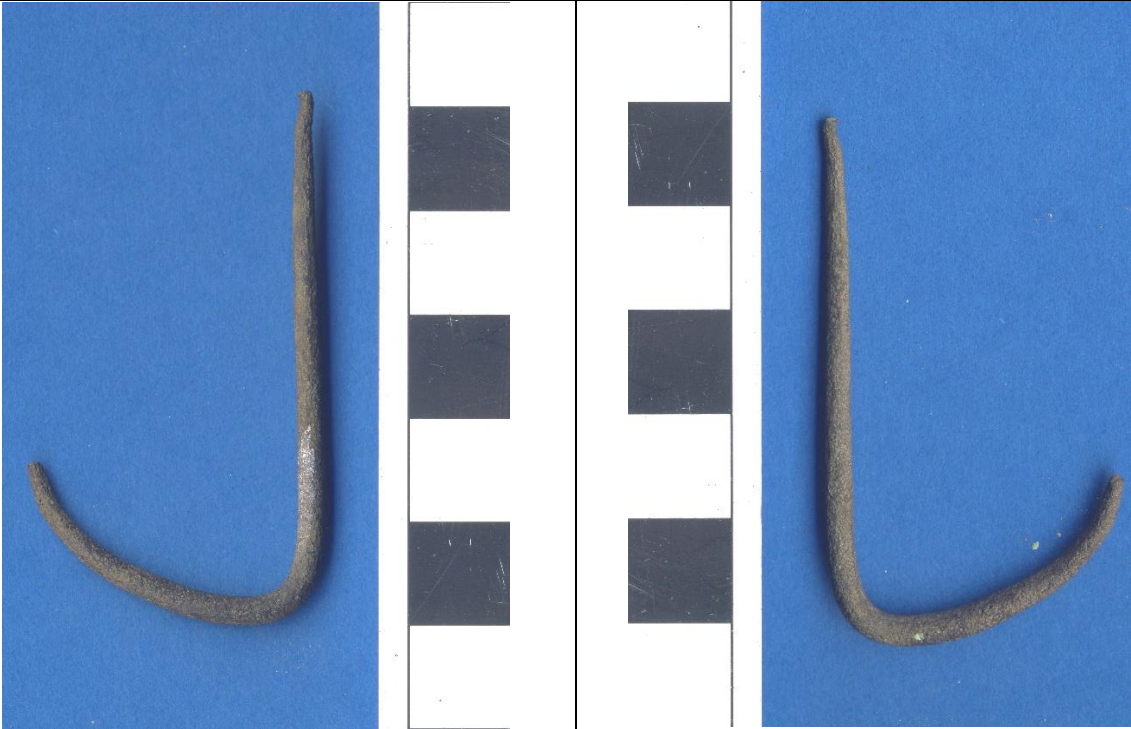
|  |  |  |
|--|--|--|
| Catalog Number: 11-87<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.24<br>Width: 24.47<br>Thickness: 2.90<br>Weight: 1.77  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b> Flat base, second bend in shank  |  |  |


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| Catalog Number: 11-88<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: C<br>Functional Element Shape: > 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Loop<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.62<br>Width: 38.00<br>Thickness: 3.94<br>Weight: 4.73  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  | Shallow curve base   |


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| Catalog Number: 11-89<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 55.24<br>Width: 44.02<br>Thickness: 4.51<br>Weight: 8.16  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|   |    |  |
| <b>Comment:</b>  | Shallow curve base   |  |

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| Catalog Number: 11-90<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.29<br>Width: 15.43<br>Thickness: 4.33<br>Weight: 4.03  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|    |  |  |
| <b>Comment:</b> shallow curve, square cross section is an anomaly  |  |  |






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|---|---|--|
| Catalog Number: 11-91<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.68<br>Width: 28.96<br>Thickness: 3.40<br>Weight: 2.66   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Shallow curve, straight shank   |   |  |


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| Catalog Number: 11-92<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.57<br>Width: 34.93<br>Thickness: 3.27<br>Weight: 3.52   |  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |  |
|    |   |  |  |
| <b>Comment:</b> Flat base  |   |  |  |


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|--|---|--|
| Catalog Number: 11-93<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.39<br>Width: 39.19<br>Thickness: 3.97<br>Weight: 3.61   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Shallow curve base   |   |  |




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| Catalog Number: 11-94<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 49.12<br>Width: 40.61<br>Thickness: 5.14<br>Weight: 6.64  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> Shallow curve base   |  |  |


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| Catalog Number: 11-95<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.60<br>Width: 18.56<br>Thickness: 2.43<br>Weight: 2.51  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b>  | Tight curve base   |  |


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|--|---|--|
| Catalog Number: 11-96<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.24<br>Width: 16.29<br>Thickness: 2.28<br>Weight: 0.64   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b> Shallow curve base   |   |  |


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|---|--|--|--|
| Catalog Number: 11-97<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.03<br>Width: 25.27<br>Thickness: 3.30<br>Weight: 2.63  |  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |  |
|   |  |  |  |
| <b>Comment:</b>   |  |  |  |




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|--|---|--|
| Catalog Number: 11-98<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.45<br>Width: 15.06<br>Thickness: 2.42<br>Weight: 0.49   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> Flat base  |   |  |


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|--|---|--|
| Catalog Number: 11-99<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.09<br>Width: 24.34<br>Thickness: 2.70<br>Weight: 2.45   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> Flat base  |   |  |


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| Catalog Number: 11-100<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.22<br>Width: 21.15<br>Thickness: 3.45<br>Weight: 3.03  |  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |  |
|    |  |  |  |
| <b>Comment:</b> looks like a covered awl   |  |  |  |


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| Catalog Number: 11-101<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.22<br>Width: 10.94<br>Thickness: 2.89<br>Weight: 2.15  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> Probable expedient hook from a square awl  |  |  |




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| Catalog Number: 11-102<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.59<br>Width: 24.82<br>Thickness: 2.86<br>Weight: 1.00   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Shallow curve base   |   |  |


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| Catalog Number: 11-103<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 41.30<br>Width: 32.34<br>Thickness: 2.96<br>Weight: 2.17  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> Shallow curve base   |  |  |


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| Catalog Number: 11-104<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.12<br>Width: 15.79<br>Thickness: 3.53<br>Weight: 2.18  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> tight curve, loop goes to the outside of hook  |  |  |

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| Catalog Number: 11-105<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: K or G<br>Functional Element Shape: > 90<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Round<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 30.74<br>Width: 33.66<br>Thickness: 3.68<br>Weight: 2.14  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> Shallow curve base   |  |  |




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| Catalog Number: 11-106<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.56<br>Width: 44.65<br>Thickness: 4.53<br>Weight:   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Shallow curve base   |  |


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| Catalog Number: 11-107<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: G<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 29.12<br>Width: 23.61<br>Thickness: 2.69<br>Weight: 1.31  |  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |  |
|    |  |  |  |
| <b>Comment:</b> shallow curve base, DE recurve   |  |  |  |


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| Catalog Number: 11-108<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: C<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 32.95<br>Width: 27.16<br>Thickness: 4.08<br>Weight: 3.88  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|    |  |  |
| <b>Comment:</b> shallow curve base, DE recurve   |  |  |

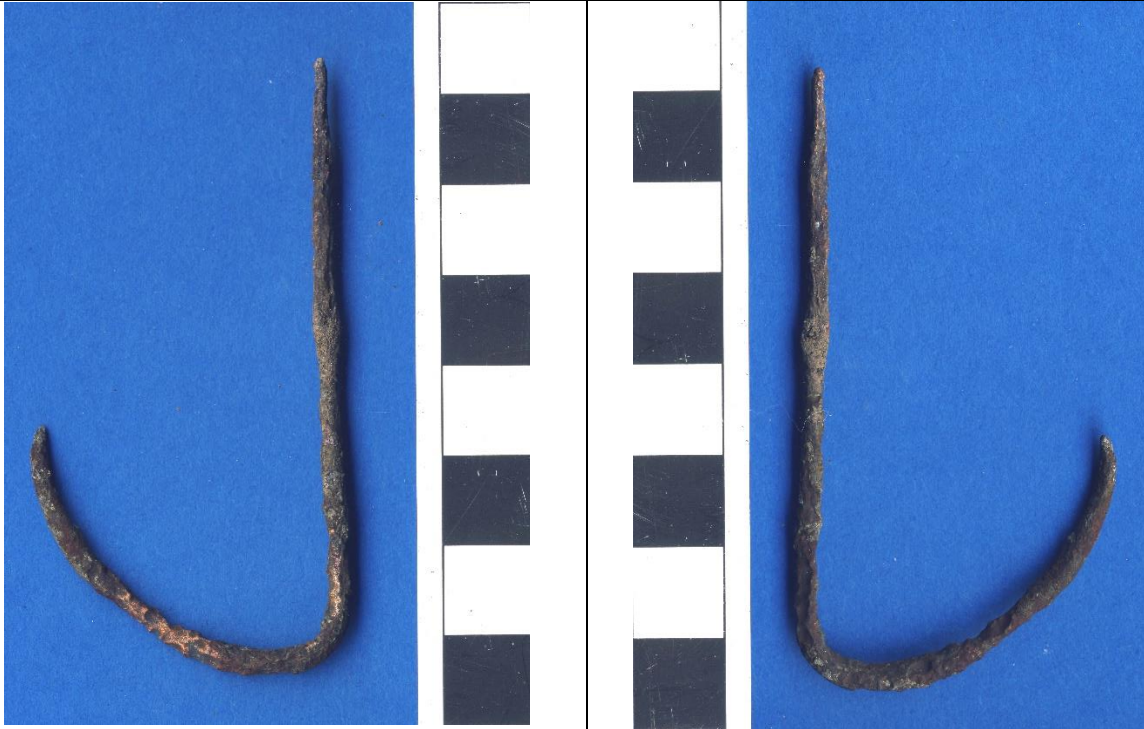


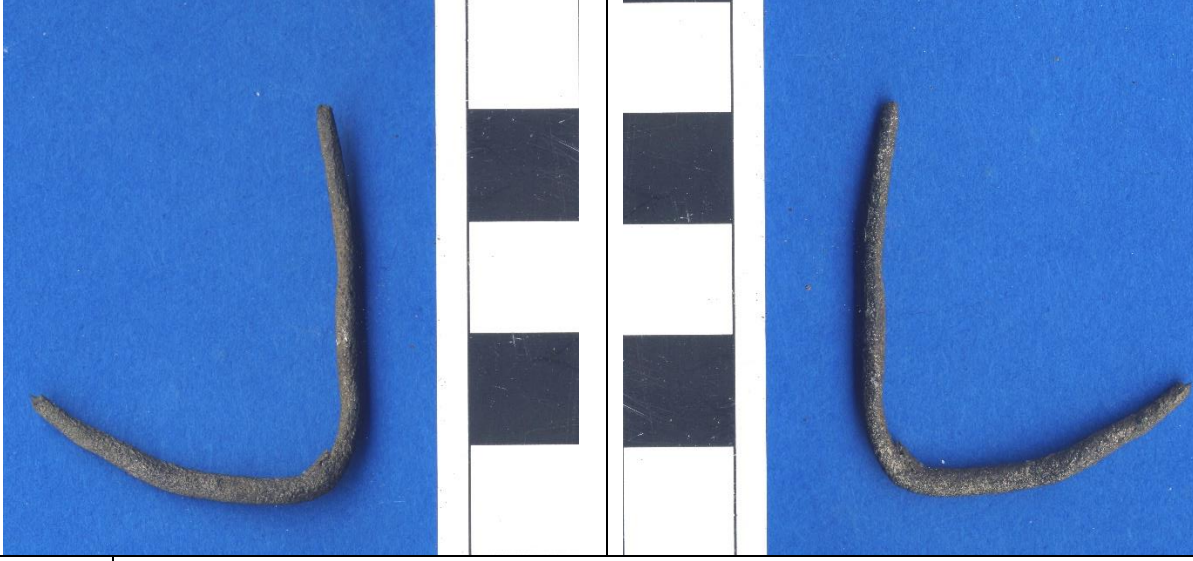
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| Catalog Number: 11-109<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.06<br>Width: 23.35<br>Thickness: 2.83<br>Weight: 1.42   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b> Flat base  |   |  |




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| Catalog Number: 11-110<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: C<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 34.28<br>Width: 30.62<br>Thickness: 2.89<br>Weight: 2.79  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> shallow curve base   |  |  |


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| Catalog Number: 11-111<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 18.66<br>Width: 19.77<br>Thickness: 2.13<br>Weight: 0.45  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: 11-112<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.22<br>Width: 35.48<br>Thickness: 3.38<br>Weight: 3.56  |  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |  |
|    |  |  |  |
| <b>Comment:</b> shallow curve base, DE recurve   |  |  |  |

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| Catalog Number: 11-113<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 35.47<br>Width: 30.21<br>Thickness: 2.69<br>Weight: 1.09  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> shallow curve base   |  |  |



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| Catalog Number: 11-114<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.13<br>Width: 33.17<br>Thickness: 5.07<br>Weight: 6.45  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   square awl with a 90 degree bend   |  |  |


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| Catalog Number: 30-01<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Semi-circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.89<br>Width: 12.90<br>Thickness: 2.54<br>Weight: 4.66   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Same build as 30-09. It may have been a very small knife at one time, but all evidence of a tang and sharp edge are gone, however, the flat "top" and "back" margins are designed like other knives - straight proximal end of the blade component, and incurva             |



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| Catalog Number: 30-02<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.29<br>Width: 13.01<br>Thickness: 2.73<br>Weight: 5.85   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   | This knife is well made, has several bends likely caused by use and a relatively large notch corroded out of the blade's cutting edge   |


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| Catalog Number: 30-03<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.19<br>Width: 11.38<br>Thickness: 2.46<br>Weight: 3.00   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |



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| <b>Comment:</b> | Smaller knife, back and proximal end of blade ar flat continuation of the tang |
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| Catalog Number: 30-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.67<br>Width: 14.16<br>Thickness: 1.21<br>Weight: 13.52  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|    |   |
| <b>Comment:</b> Highly formalized knife, pronounced distal elf tow, rounded end, "blood groove" in haft  |   |


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| Catalog Number: 30-05<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 81.23<br>Width: 10.77<br>Thickness: 2.10<br>Weight: 11.77  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |   |  |
| <b>Comment:</b> Exaggerated pointed toe  |   |  |



|   |   |
|---|---|
| Catalog Number: 30-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 130.96<br>Width: 15.54<br>Thickness: 3.32<br>Weight: 15.10   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |   |
| <b>Comment:</b> Very Heavy corrosion obscures entire artifact, larger scale attributes can still be deciphered though   |   |



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|--|---|
| Catalog Number: 30-07<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-B   | Distal Morphology: N/A<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 49.46<br>Width: 12.21<br>Thickness: 4.51<br>Weight: 6.00   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |   |
| <b>Comment:</b> simple knife with broken/coroded of distal end   |   |

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| Catalog Number: 30-08<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 44.18<br>Width: 7.71<br>Thickness: 1.87<br>Weight: 2.93   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b> Probably a crescent with one tang missing, outer edge of curve is corroded away, but it doesn't look sharpened   |  |  |









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| Catalog Number: 30-09<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Semi-circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.64<br>Width: 10.61<br>Thickness: 2.00<br>Weight: 1.77   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b> Same build as 30-01.   |   |



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| Catalog Number: 30-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-B   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.04<br>Width: 8.44<br>Thickness: 1.63<br>Weight: 1.93  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> probably missing some length from the hafting tang   |   |


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| Catalog Number: 30-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 35.42<br>Width: 11.23<br>Thickness: 3.00<br>Weight: 1.51   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment</b><br>:  | Possible expedient knife made from a "conical" projectile point, folded over metal on one side  |  |





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| Catalog Number: 30-12<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 97.18<br>Width: 17.63<br>Thickness: 4.10<br>Weight: 22.32  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment</b><br>:   | strong evidence of Heavy repair on one side with a flap of metal pounded down from the back to hold the broken blade in place, just distal of the hafting element   |  |


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| Catalog Number: 30-13<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-C  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair:  | <b>Metric Analysis:</b><br>Length: 90.92<br>Width: 15.55<br>Thickness: 12.59<br>Weight: 28.37   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
| <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment</b><br>:   | Nice example of a socketed knife. Significantly different shape in plan view from Wittry's example; much longer socket, blade is an arched not straight   |  |



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| Catalog Number: 30-14<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 143.73<br>Width: 24.50<br>Thickness: 4.32<br>Weight: 51.38   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b> Very well crafted, with definite "heel" at the proximal end of the blade, most examples simply round into the sharpened portion - very formalized style   |   |




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| Catalog Number: 30-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 118.43<br>Width: 21.45<br>Thickness: 4.18<br>Weight: 25.52   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|    |   |  |
| <b>Comment</b><br>:  | Well crafted and exaggerated elf toe arch, has the well defined blade heel also   |  |

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| Catalog Number: 30-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: Notched<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 134.32<br>Width: 17.29<br>Thickness: 2.80<br>Weight: 26.39   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |   |  |
| <b>Comment</b><br>:  | This one has characteristics of both A and B sub-types  |  |








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| Catalog Number: 30-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Flat<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 161.00<br>Width: 22.83<br>Thickness: 11.42<br>Weight: 61.37   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |  |  |
| <b>Comment:</b>  | Strange flat distal end and straight back  |  |



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|---|--|--|
| Catalog Number: 30-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Type: II<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Broken<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 39.42<br>Width: 8.35<br>Thickness: 2.00<br>Weight: 1.97   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment</b><br>:   | small knife with most of the distal end, though the extreme distal end is corroded away.   |  |




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| Catalog Number: 30-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: N/A<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: > 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Notched<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 71.38<br>Width: 17.50<br>Thickness: 4.75<br>Weight: 15.46  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |   |  |
| <b>Comment</b><br>:  | extreme arch in blade, very thick hafting tang, very end of distal end is corroded away   |  |





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|--|---|--|
| Catalog Number: 30-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crushed<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 86.34<br>Width: 15.41<br>Thickness: 3.79<br>Weight: 17.56  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |   |  |
| <b>Comment:</b> closest to II-B  |   |  |




|  |   |
|--|---|
| Catalog Number: 30-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Rounded<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 97.71<br>Width: 16.81<br>Thickness: 3.49<br>Weight: 20.20  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Elf toe with round end and rounded tang, most like II-B  |   |



|   |  |
|---|--|
| Catalog Number: 30-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A1   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 128.78<br>Width: 24.27<br>Thickness: 4.65<br>Weight: 26.61  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |    |
| <b>Comment</b><br>:   | Edge of blade is corroded away   |



|  |   |  |
|--|---|--|
| Catalog Number: 30-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Crushed<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.96<br>Width: 15.21<br>Thickness: 4.59<br>Weight: 8.56   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> Small triangular piece of copper with extensive evidence of manufacturing but no clear functional units, some edges corroded away  |   |  |

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|--|---|--|
| Catalog Number: 30-24<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: N/A<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Wedge<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Broken<br>Distal 2: None<br>Medial 1: Rounded<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.06<br>Width: 18.41<br>Thickness: 6.91<br>Weight: 17.61  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |   |  |
| <b>Comment:</b> distal end is broken off   |   |  |







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| Catalog Number: 33-01<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Flattened<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.61<br>Width: 9.19<br>Thickness: 7.88<br>Weight: 7.03   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is rounded toward prox  |  |



|  |   |
|--|---|
| Catalog Number: 33-02<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Indeterminate<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.44<br>Width: 20.57<br>Thickness: 4.54<br>Weight: 5.53   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Completely smashed flat  |   |




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| Catalog Number: 33-03<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 28.80<br>Width: 6.61<br>Thickness: 5.08<br>Weight: 1.06   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Base is rounded toward Prox, 'not a tinkling cone  |  |  |





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|--|---|--|
| Catalog Number: 33-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.31<br>Width: 5.45<br>Thickness: 3.94<br>Weight: 1.07  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  | base is flat  |  |



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|--|---|--|
| Catalog Number: 33-05<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 18.38<br>Width: 5.13<br>Thickness: 3.84<br>Weight: 0.61  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b> base is flat   |   |  |



|   |   |  |
|---|---|--|
| Catalog Number: 33-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 29.04<br>Width: 9.08<br>Thickness: 6.60<br>Weight: 3.61  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b> base is rounded toward prox   |   |  |




|   |  |  |
|---|--|--|
| Catalog Number: 33-07<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 22.47<br>Width: 7.17<br>Thickness: 6.17<br>Weight: 1.75   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   | base is flat   |  |

|   |   |
|---|---|
| Catalog Number: 33-08<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Lipped<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.46<br>Width: 7.31<br>Thickness: 4.91<br>Weight: 1.51  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> Base pointed on right vent edge   |   |







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|--|--|--|
| Catalog Number: 33-09<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.98<br>Width: 7.06<br>Thickness: 5.86<br>Weight: 1.48   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is rounded toward prox  |  |



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|--|--|--|
| Catalog Number: 33-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.29<br>Width: 6.16<br>Thickness: 6.19<br>Weight: 1.27   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is missing  |  |  |



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| Catalog Number: 33-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Crimped<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.42<br>Width: 5.72<br>Thickness: 4.10<br>Weight: 0.70   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is flat   |  |







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| Catalog Number: 33-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.29<br>Width: 6.76<br>Thickness: 4.52<br>Weight: 1.92   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | Base is pointed toward Prox.   |  |



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|--|--|
| Catalog Number: 33-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 28.43<br>Width: 7.20<br>Thickness: 5.33<br>Weight: 1.45   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|   |    |
| <b>Comment:</b> base is flat   |  |

|  |  |  |
|--|--|--|
| Catalog Number: 33-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 64.47<br>Width: 14.06<br>Thickness: 4.70<br>Weight: 6.16  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment</b><br>:  | Base is rounded toward prox, most of socket is corroded away   |  |




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|---|---|--|
| Catalog Number: 33-15<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Polished<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.46<br>Width: 7.24<br>Thickness: 4.80<br>Weight: 1.68  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   | base is flat  |  |

|  |  |
|--|--|
| Catalog Number: 33-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.08<br>Width: 8.34<br>Thickness: 6.71<br>Weight: 3.17   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b> base is flat   |  |



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|--|--|--|
| Catalog Number: 33-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crimped<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 31.86<br>Width: 6.99<br>Thickness: 6.45<br>Weight: 2.04   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |



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|--|---|--|
| Catalog Number: 33-18<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 30.34<br>Width: 6.99<br>Thickness: 5.52<br>Weight: 2.05  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | base is too corroded  |  |







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|--|--|--|
| Catalog Number: 33-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 37.20<br>Width: 7.95<br>Thickness: 4.61<br>Weight: 2.67   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is rounded  |  |  |







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|--|---|--|
| Catalog Number: 33-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.44<br>Width: 5.49<br>Thickness: 5.40<br>Weight: 1.68  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b> Base is pointed toward Prox.   |   |  |

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|--|--|--|
| Catalog Number: 33-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.70<br>Width: 9.38<br>Thickness: 7.20<br>Weight: 3.38   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is rounded  |  |




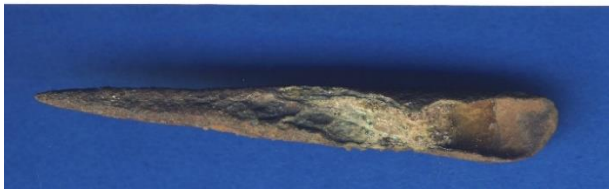

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|---|---|--|
| Catalog Number: 33-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 31.35<br>Width: 8.81<br>Thickness: 7.70<br>Weight: 2.74  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   | Base is pointed toward Prox.  |  |



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|--|---|--|
| Catalog Number: 33-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.33<br>Width: 10.61<br>Thickness: 4.28<br>Weight: 2.93   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> smashed flat   |   |  |

|  |   |  |
|--|---|--|
| Catalog Number: 33-24<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.59<br>Width: 11.99<br>Thickness: 3.37<br>Weight: 5.04   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | base is flat  |  |



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|--|--|--|
| Catalog Number: 33-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 37.08<br>Width: 6.00<br>Thickness: 5.20<br>Weight: 2.16   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is flat   |  |








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|---|--|--|
| Catalog Number: 33-26<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A  | <b>Metric Analysis:</b><br>Length: 51.26<br>Width: 7.19<br>Thickness: 4.87<br>Weight: 2.54   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   | base is rounded  |  |


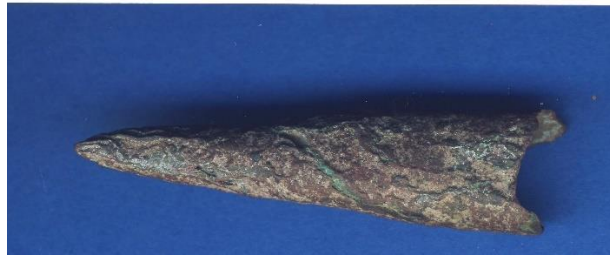
|   |  |  |
|---|--|--|
| Catalog Number: 33-27<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.40<br>Width: 9.20<br>Thickness: 6.17<br>Weight: 6.70   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   | base is flat   |  |







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| Catalog Number: 33-28<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.75<br>Width: 7.77<br>Thickness: 6.32<br>Weight: 3.42   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | Base is pointed toward Prox.   |  |

|  |   |
|--|---|
| Catalog Number: 33-29<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.47<br>Width: 9.67<br>Thickness: 7.98<br>Weight: 6.07  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  | Base is rounded   |



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|---|---|--|
| Catalog Number: 33-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 45.70<br>Width: 8.89<br>Thickness: 6.43<br>Weight: 4.79  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   | base is flat  |  |



|  |   |
|--|---|
| Catalog Number: 33-31<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 46.88<br>Width: 12.70<br>Thickness: 8.82<br>Weight: 9.86   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> base is unique - concave piece removed?  |   |

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|--|---|--|
| Catalog Number: 33-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.94<br>Width: 5.96<br>Thickness: 4.66<br>Weight: 3.39  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | base is flat  |  |



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|--|--|--|
| Catalog Number: 33-33<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.24<br>Width: 8.64<br>Thickness: 4.86<br>Weight: 2.67   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | base is flat   |  |







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|--|---|--|
| Catalog Number: 33-34<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.99<br>Width: 8.94<br>Thickness: 6.87<br>Weight: 6.21  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | base is rounded   |  |



|   |  |
|---|--|
| Catalog Number: 33-35<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.65<br>Width: 7.48<br>Thickness: 6.20<br>Weight: 3.27   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b> base is flat  |  |





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|--|---|
| Catalog Number: 33-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.46<br>Width: 13.60<br>Thickness: 5.21<br>Weight: 5.07   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> smashed flat and maybe cut?  |   |

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|---|---|--|
| Catalog Number: 33-37<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: Flattened<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.83<br>Width: 6.79<br>Thickness: 3.95<br>Weight: 1.68  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   | Base is distorted   |  |


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|--|--|--|
| Catalog Number: 33-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.17<br>Width: 6.68<br>Thickness: 5.74<br>Weight: 3.83   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|   |    |  |
| <b>Comment:</b>  | Base is pointed toward Prox.   |  |

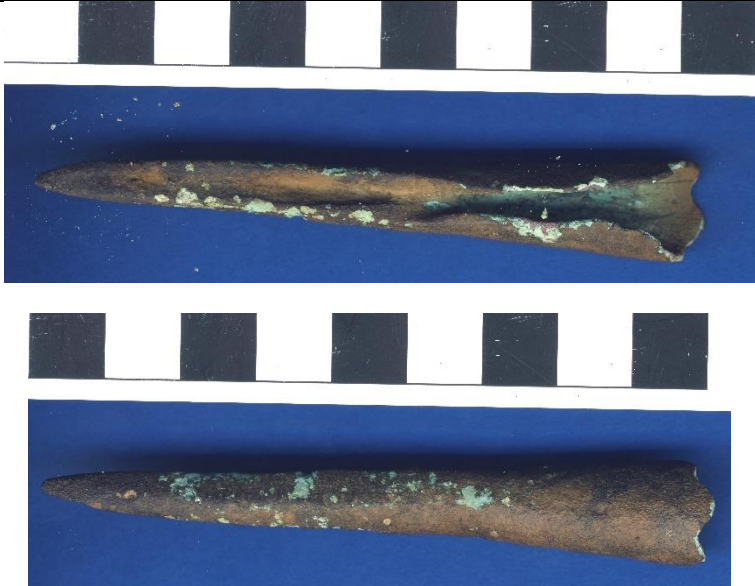
|   |   |
|---|---|
| Catalog Number: 33-39<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 36.44<br>Width: 6.14<br>Thickness: 5.28<br>Weight: 1.88  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   | Base is rounded   |

|   |  |
|---|--|
| Catalog Number: 33-40<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Resharpener<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 77.42<br>Width: 13.57<br>Thickness: 10.01<br>Weight: 25.38  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|   |  |
| <b>Comment:</b> Base is pointed toward Prox.  |  |


|   |  |
|---|--|
| Catalog Number: 33-41<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 100.14<br>Width: 15.28<br>Thickness: 12.61<br>Weight: 26.54   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |  |
| <b>Comment:</b> base is flat  |  |






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|--|--|
| Catalog Number: 33-42<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 142.23<br>Width: 11.57<br>Thickness: 12.12<br>Weight: 16.20   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|    |  |
| <b>Comment:</b> Base is pointed toward Prox.   |  |



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| Catalog Number: 33-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 89.71<br>Width: 13.87<br>Thickness: 10.75<br>Weight: 19.05  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|    |  |
| <b>Comment:</b>  | Base is corroded   |





|   |   |
|---|---|
| Catalog Number: 33-44<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.20<br>Width: 14.94<br>Thickness: 8.94<br>Weight: 13.18  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
|   |   |
| <b>Comment:</b>   | base is flat  |



|  |  |
|--|--|
| Catalog Number: 33-45<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.18<br>Width: 7.85<br>Thickness: 6.50<br>Weight: 5.03   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | base is flat   |



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|--|--|--|
| Catalog Number: 33-46<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 19.72<br>Width: 5.97<br>Thickness: 5.46<br>Weight: 0.86   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |  |  |
| <b>Comment:</b> base is flat   |  |  |



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|--|---|--|
| Catalog Number: 33-47<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.20<br>Width: 11.40<br>Thickness: 2.30<br>Weight: 2.21   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  | Flattened cone  |  |

|   |   |  |
|---|---|--|
| Catalog Number: 33-48<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 19.97<br>Width: 8.86<br>Thickness: 8.29<br>Weight: 4.27  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> base is flat  |   |  |










|  |   |
|--|---|
| Catalog Number: 33-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 29.29<br>Width: 7.53<br>Thickness: 2.54<br>Weight: 1.54  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b>  | Flattened cone  |



|   |  |
|---|--|
| Catalog Number: 33-50<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.42<br>Width: 4.06<br>Thickness: 3.29<br>Weight: 0.54   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Present<br>Type of Projection: Proximal Side Barb<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b> left side of base is extended/pointed   |  |



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|--|--|
| Catalog Number: 33-51<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.96<br>Width: 9.96<br>Thickness: 6.60<br>Weight: 3.63   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b>  | base is flat   |




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|--|--|--|
| Catalog Number: 33-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 62.30<br>Width: 14.07<br>Thickness: 10.12<br>Weight: 14.67  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |


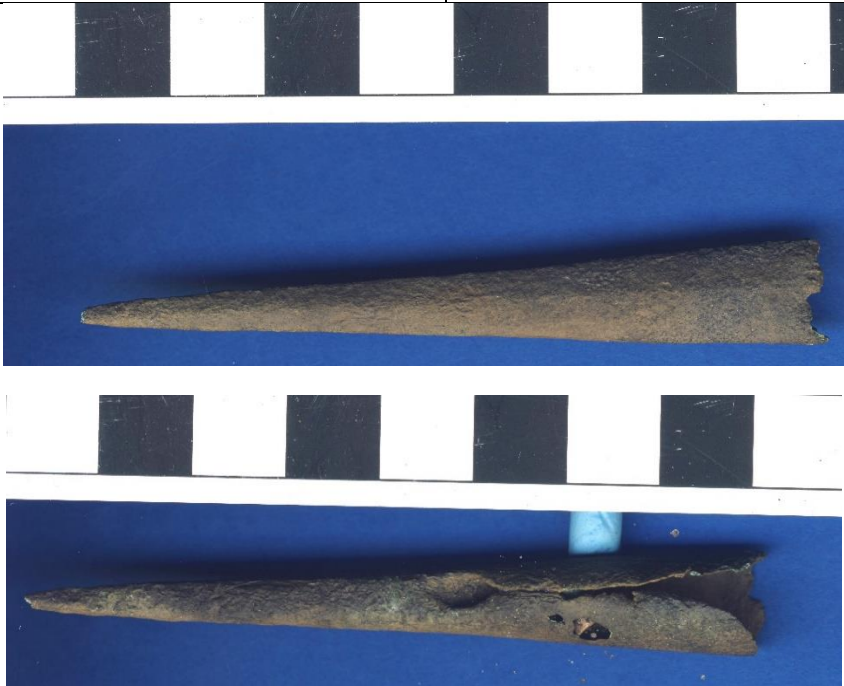
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|---|---|--|
| Catalog Number: 33-53<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.68<br>Width: 6.45<br>Thickness: 5.08<br>Weight: 1.42  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <br>  | <br>  |  |
| <b>Comment:</b> base is flat  |   |  |



|  |   |
|--|---|
| Catalog Number: 33-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 32.19<br>Width: 6.87<br>Thickness: 6.75<br>Weight: 3.84  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> base is flat   |   |

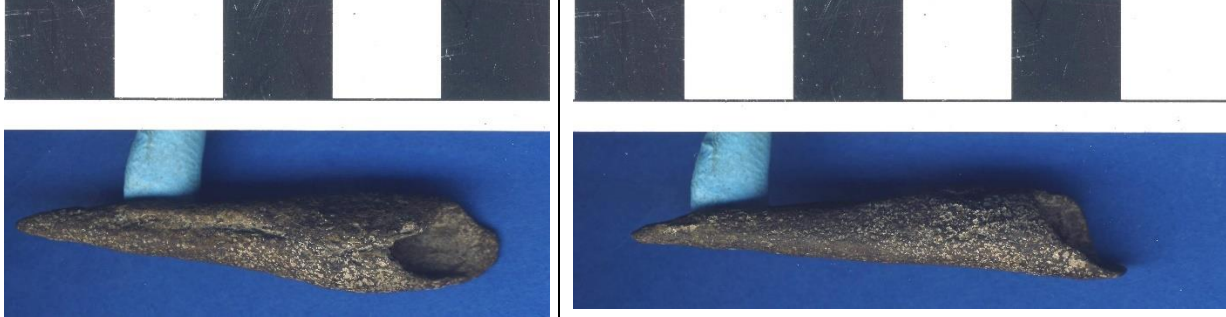
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|---|---|--|
| Catalog Number: 33-55<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Indeterminate<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Indeterminate |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: 0<br>Total for Use-Damage: No<br>Presence of Use Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.47<br>Width: 6.47<br>Thickness: 5.78<br>Weight: 4.16  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment</b><br>:   | badly smashed and twisted   |  |

|  |  |
|--|--|
| Catalog Number: 33-56<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.33<br>Width: 15.42<br>Thickness: 9.75<br>Weight: 19.31   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  | base is rounded  |






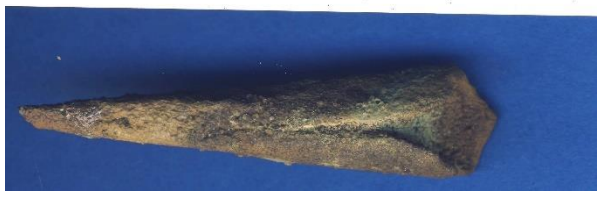
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|---|---|
| Catalog Number: 33-57<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.79<br>Width: 11.61<br>Thickness: 8.80<br>Weight: 8.64   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
|   |   |
| <b>Comment:</b>   | base is flat  |



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|--|--|--|
| Catalog Number: 33-58<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Bend<br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: 1<br>Total for Use-Damage: Yes<br>Presence of Use: Absent<br>Damage: N/A<br>Presence of Repair:<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 47.82<br>Width: 9.51<br>Thickness: 7.49<br>Weight: 6.18   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|   |    |  |
| <b>Comment:</b> Base is pointed toward Prox.   |  |  |


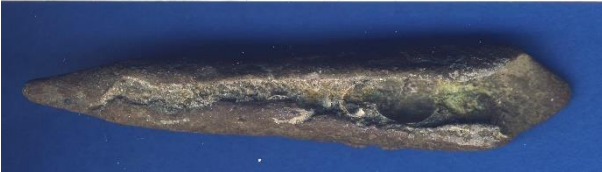
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|---|--|--|
| Catalog Number: 33-59<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 44.92<br>Width: 9.33<br>Thickness: 7.65<br>Weight: 5.58   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |  |  |
| <b>Comment:</b>   | Base is pointed toward Prox.   |  |





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| Catalog Number: 33-60<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>I-L/N/O<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 43.24<br>Width: 14.52<br>Thickness: 10.15<br>Weight: 11.22  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> base is rounded  |  |


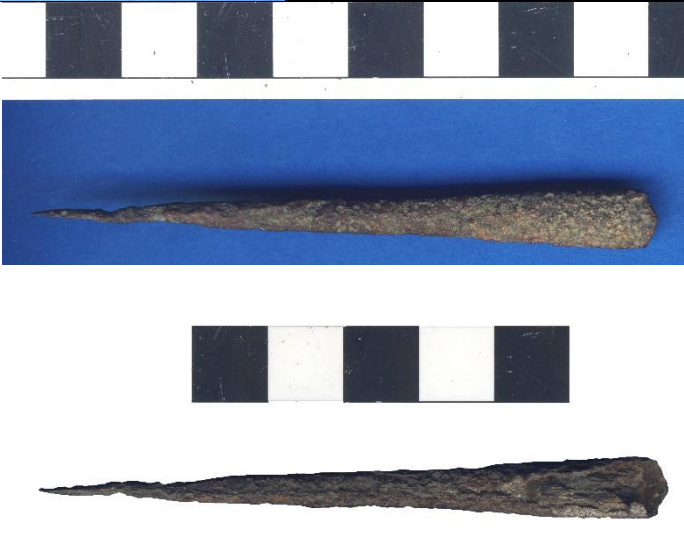
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|---|---|--|
| Catalog Number: 33-61<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Broken<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 48.09<br>Width: 11.45<br>Thickness: 8.96<br>Weight: 7.63   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Base is pointed toward Prox.  |   |  |



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|---|--|
| Catalog Number: 33-62<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Gouged<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.20<br>Width: 13.72<br>Thickness: 10.53<br>Weight: 13.48  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   | Base is pointed toward Prox.   |



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| Catalog Number: 33-63<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 73.03<br>Width: 14.37<br>Thickness: 10.14<br>Weight: 25.87  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  | Base is pointed toward Prox.   |  |

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|---|--|
| Catalog Number: 33-64<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.60<br>Width: 14.43<br>Thickness: 8.54<br>Weight: 8.53  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   | Base is pointed toward Prox.   |







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| Catalog Number: 33-65<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.99<br>Width: 7.97<br>Thickness: 4.63<br>Weight: 5.53   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Base is pointed toward Prox.   |



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|---|--|
| Catalog Number: 33-66<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.38<br>Width: 6.08<br>Thickness: 5.71<br>Weight: 2.23   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b> Base is pointed toward Prox.  |  |



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|--|---|
| Catalog Number: 33-67<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.71<br>Width: 8.34<br>Thickness: 7.60<br>Weight: 4.56  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> base is rounded  |   |





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| Catalog Number: 33-68<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.09<br>Width: 7.53<br>Thickness: 5.64<br>Weight: 1.92   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |



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|---|---|
| Catalog Number: 33-69<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.25<br>Width: 8.39<br>Thickness: 6.22<br>Weight: 2.54  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b> base is flat  |   |

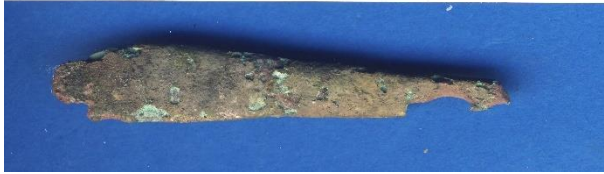

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| Catalog Number: 33-70<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crushed<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 40.31<br>Width: 9.14<br>Thickness: 5.09<br>Weight: 3.66   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b>  |  |



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|--|--|--|
| Catalog Number: 33-71<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.89<br>Width: 12.15<br>Thickness: 7.42<br>Weight: 5.30  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Present<br>Type of Projection: Harpoon<br>Rivet: Absent<br>Refinement: Refined   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |

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|--|---|--|
| Catalog Number: 33-72<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.39<br>Width: 11.60<br>Thickness: 5.70<br>Weight: 5.11   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b> base is rounded  |   |  |







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| Catalog Number: 33-73<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.89<br>Width: 7.43<br>Thickness: 5.97<br>Weight: 2.13   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b> base is flat   |  |



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|--|--|--|
| Catalog Number: 33-74<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: N/A<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 60.75<br>Width: 10.61<br>Thickness: 7.30<br>Weight: 4.68  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment</b><br>:  | Base is pointed toward Prox.   |  |




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|---|--|--|
| Catalog Number: 33-75<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 43.06<br>Width: 8.87<br>Thickness: 6.21<br>Weight: 5.08   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|    |    |  |
| <b>Comment:</b> base is flat  |  |  |






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|---|---|--|
| Catalog Number: 33-76<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.70<br>Width: 8.73<br>Thickness: 6.85<br>Weight: 4.35  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> base is flat  |   |  |



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|---|---|--|
| Catalog Number: 33-77<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.16<br>Width: 4.29<br>Thickness: 3.54<br>Weight: 0.72  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> base is flat  |   |  |




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| Catalog Number: 33-78<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.31<br>Width: 11.20<br>Thickness: 6.25<br>Weight: 3.79  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |




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|---|--|--|
| Catalog Number: 33-79<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.39<br>Width: 7.55<br>Thickness: 4.21<br>Weight: 1.74   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> base is flat  |  |  |

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|---|--|--|
| Catalog Number: 33-80<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Gouged<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.92<br>Width: 7.23<br>Thickness: 6.06<br>Weight: 3.78   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b>   |  |  |






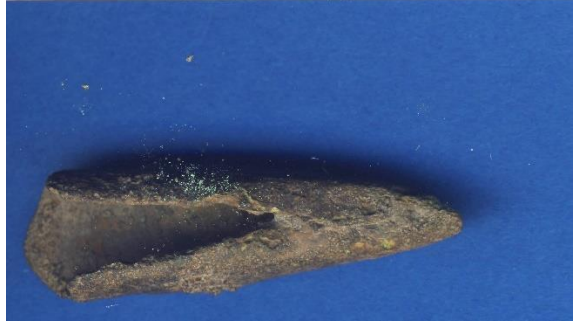
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|--|--|
| Catalog Number: 33-81<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 22.78<br>Width: 4.26<br>Thickness: 2.70<br>Weight: 0.65   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> base is round  |  |




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|---|--|--|
| Catalog Number: 33-82<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 48.76<br>Width: 12.92<br>Thickness: 9.83<br>Weight: 10.95   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b> base is round   |  |  |



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|---|--|--|
| Catalog Number: 33-83<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 27.81<br>Width: 5.82<br>Thickness: 3.80<br>Weight: 1.20   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b> base is flat  |  |  |





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|---|--|
| Catalog Number: 33-84<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 43.23<br>Width: 7.07<br>Thickness: 5.75<br>Weight: 2.32   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b> base is round   |  |



|  |   |
|--|---|
| Catalog Number: 33-85<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.17<br>Width: 11.49<br>Thickness: 9.63<br>Weight: 8.37   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Base is pointed toward Prox.   |   |

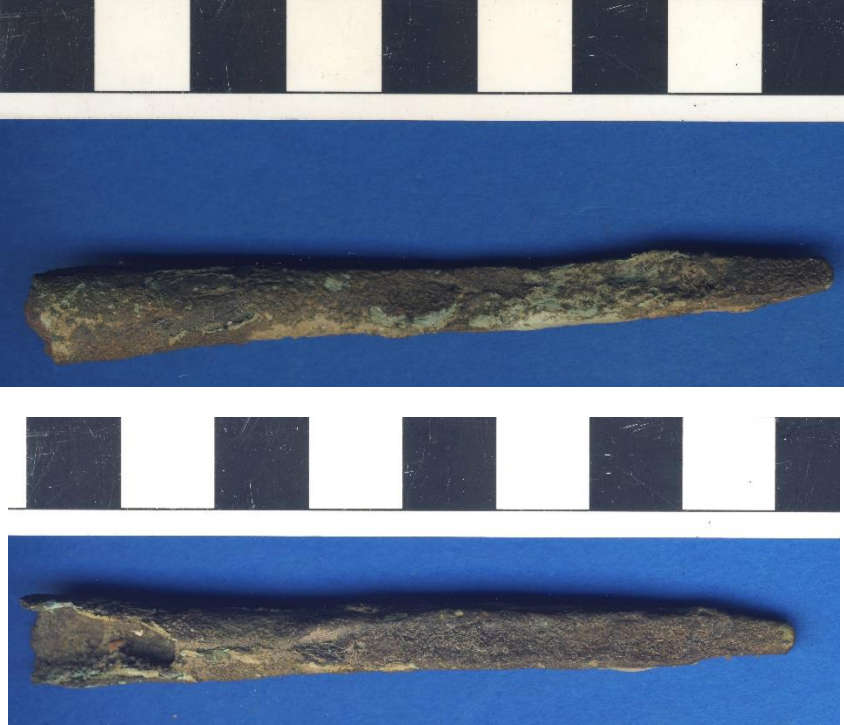
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| Catalog Number: 33-86<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 17.95<br>Width: 7.07<br>Thickness: 4.34<br>Weight: 1.20   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> base is flat   |  |  |



|  |   |
|--|---|
| Catalog Number: 33-87<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Twisted<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.43<br>Width: 15.91<br>Thickness: 10.80<br>Weight: 15.28   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> Base is round  |   |

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|--|---|--|
| Catalog Number: 33-88<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.57<br>Width: 9.25<br>Thickness: 7.46<br>Weight: 3.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> base is flat   |   |  |





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| Catalog Number: 33-89<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.37<br>Width: 11.00<br>Thickness: 9.42<br>Weight: 6.51  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> base is flat   |  |



|   |  |
|---|--|
| Catalog Number: 33-90<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 85.19<br>Width: 9.89<br>Thickness: 7.10<br>Weight: 11.43  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |  |
| <b>Comment:</b>   | base is flat   |



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| Catalog Number: 33-91<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.93<br>Width: 8.47<br>Thickness: 6.00<br>Weight: 5.52   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Base is pointed toward Prox.   |





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| Catalog Number: 38-01<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Light<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.80<br>Width: 9.07<br>Thickness: 2.78<br>Weight: 3.71  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  | smashed flat  |  |

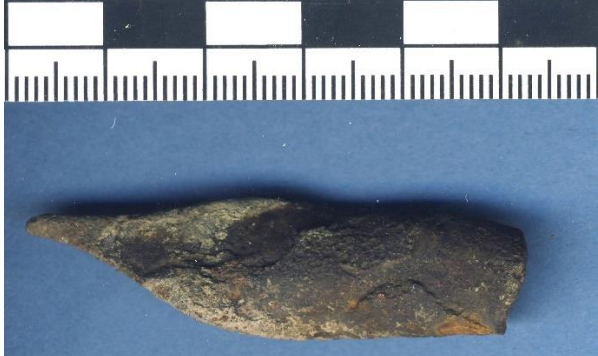

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|--|---|--|
| Catalog Number: 38-02<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Triangular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 26.06<br>Width: 11.80<br>Thickness: 2.21<br>Weight: 2.62   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> Recycled conical point maybe   |   |  |



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|--|--|--|
| Catalog Number: 38-03<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A2  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: Lipped<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.83<br>Width: 17.08<br>Thickness: 3.32<br>Weight: 6.89  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|   |    |  |
| <b>Comment:</b> Edges are heavily eroded and rounded over  |  |  |



|  |  |
|--|--|
| Catalog Number: 38-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 11.77<br>Width: 9.71<br>Thickness: 2.46<br>Weight: 0.65   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |    |
| <b>Comment:</b> small partial piece of manufacturing debris  |  |

|   |   |
|---|---|
| Catalog Number: 38-05<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: Bend<br>Medial 1: Twisted<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.24<br>Width: 5.14<br>Thickness: 4.62<br>Weight: 3.36  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b> short, thick punch  |   |

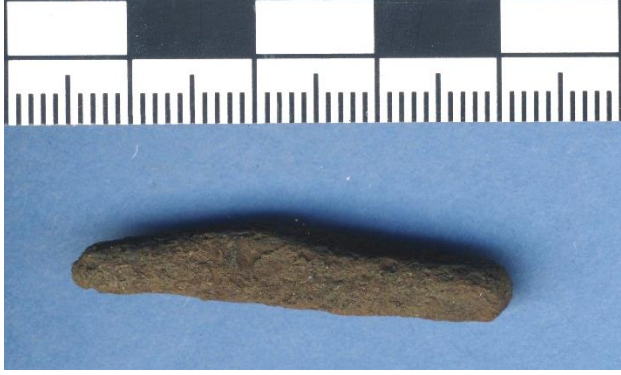





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|---|--|--|
| Catalog Number: 38-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Reshaped<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.93<br>Width: 14.40<br>Thickness: 8.78<br>Weight: 13.04   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|    |    |  |
| <b>Comment</b><br>:   | kind of like a conical point, but seems to be a very expedient build   |  |


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|--|---|
| Catalog Number: 38-07<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Indeterminate<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.30<br>Width: 5.91<br>Thickness: 5.62<br>Weight: 1.04  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> either a small rolled conical or a thick punch with rolled sheet construction  |   |

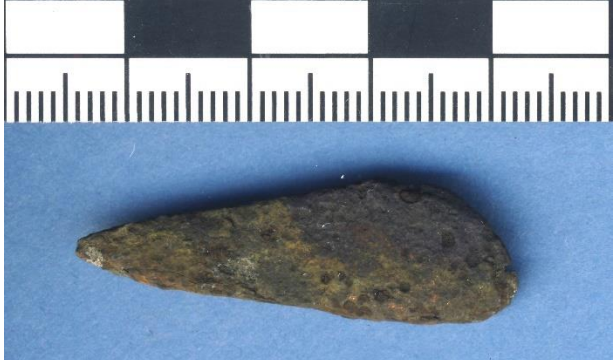

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|--|---|--|
| Catalog Number: 38-08<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.55<br>Width: 4.42<br>Thickness: 4.40<br>Weight: 3.83  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b> Medial portion of a perforator   |   |  |

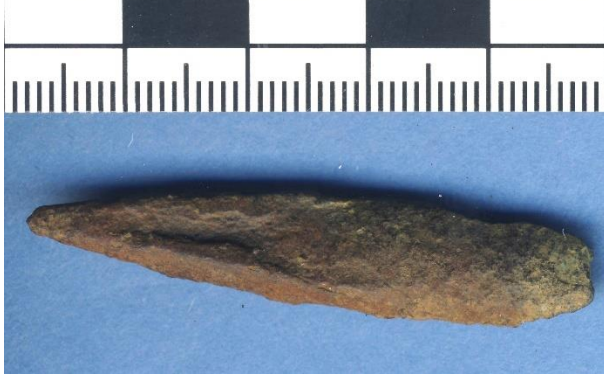



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|---|--|--|
| Catalog Number: 38-09<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Indeterminate   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Preform<br>Wittry Type:   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.99<br>Width: 6.48<br>Thickness: 6.43<br>Weight: 6.12   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|    |    |  |
| <b>Comment:</b>   | probable early manufacturing stage   |  |



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|--|--|
| Catalog Number: 38-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Preform<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.18<br>Width: 5.20<br>Thickness: 2.13<br>Weight: 0.92   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> probable early manufacturing stage   |  |


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|--|---|--|
| Catalog Number: 38-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.12<br>Width: 6.29<br>Thickness: 3.56<br>Weight: 3.26  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>  | probable early manufacturing stage  |  |



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|--|--|
| Catalog Number: 38-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.74<br>Width: 11.91<br>Thickness: 4.48<br>Weight: 7.63  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |    |
| <b>Comment:</b> Expedient knife/wedge  |  |

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|--|---|--|
| Catalog Number: 38-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 47.71<br>Width: 9.96<br>Thickness: 5.39<br>Weight: 6.16  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment</b><br>:  | No base   |  |







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|--|--|--|
| Catalog Number: 38-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 46.98<br>Width: 17.83<br>Thickness: 6.94<br>Weight: 18.18   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b> probable early manufacturing stage   |  |  |

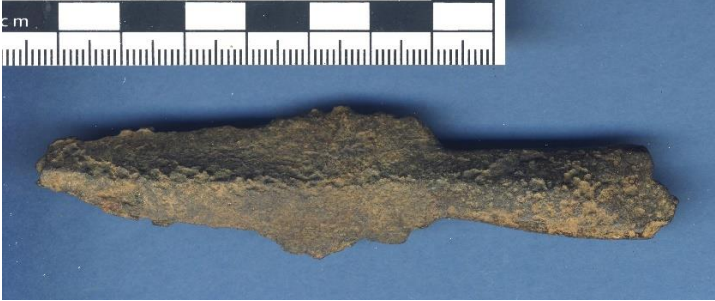

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|---|---|--|
| Catalog Number: 38-15<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.48<br>Width: 4.48<br>Thickness: 2.93<br>Weight: 5.10  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>   |   |  |


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|--|---|--|
| Catalog Number: 38-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.81<br>Width: 5.06<br>Thickness: 4.21<br>Weight: 1.47  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

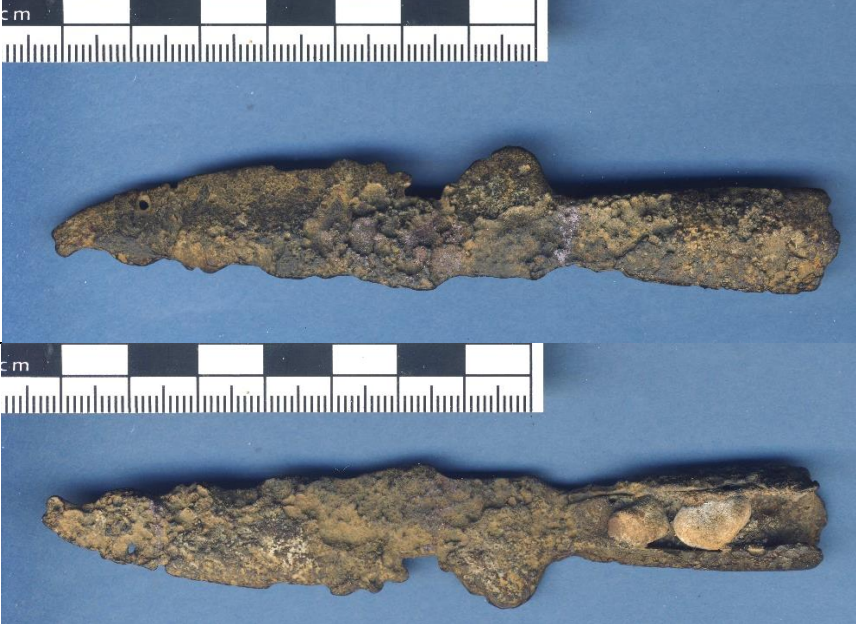


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|--|--|
| Catalog Number: 38-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 9.48<br>Width: 8.40<br>Thickness: 0.94<br>Weight: 0.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> probable early manufacturing stage   |  |

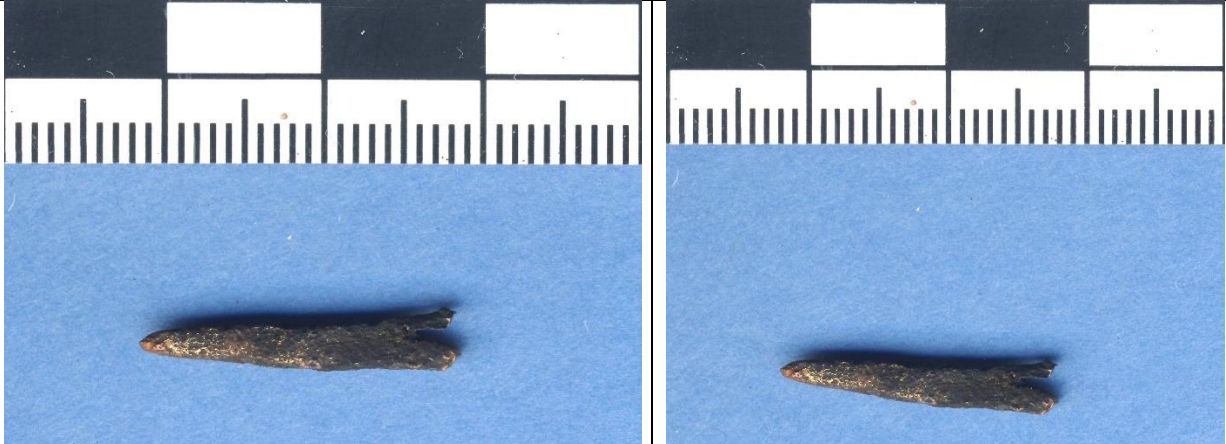
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|--|--|--|
| Catalog Number: 38-18<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 15.09<br>Width: 4.94<br>Thickness: 2.00<br>Weight: 0.56   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b> probable early manufacturing stage   |  |  |



|  |   |
|--|---|
| Catalog Number: 38-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A1  | Distal Morphology: Indeterminate<br>Functional Element: Triangular<br>Cross-Section: Sub-Triangular<br>Functional Element: N/A<br>Shape: Present<br>Degree of Curvature: Socket<br>Presence of Hafting: Angular<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 104.96<br>Width: 24.43<br>Thickness: 4.76<br>Weight: 36.85   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: None<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:  |
|    |   |
|    |   |
| <b>Comment:</b>  | Nice Medial ridge on the dorsal surface   |



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|--|--|--|
| Catalog Number: 38-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Round<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.97<br>Width: 2.49<br>Thickness: 2.38<br>Weight: 1.30   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|    |  |  |
| <b>Comment:</b>  | S shaped recurve at one end - looks designed rather than use damage  |  |

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|--|---|
| Catalog Number: 38-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A1   | Distal Morphology: Indeterminate<br>Functional Element: Triangular<br>Cross-Section: Sub-Triangular<br>Functional Element: N/A<br>Shape: Present<br>Degree of Curvature: Socket<br>Presence of Hafting: Angular<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 118.50<br>Width: 20.14<br>Thickness: 3.63<br>Weight: 33.40   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: None<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:  |
|    |   |
| <b>Comment:</b>  | Base is pointed toward Prox.  |

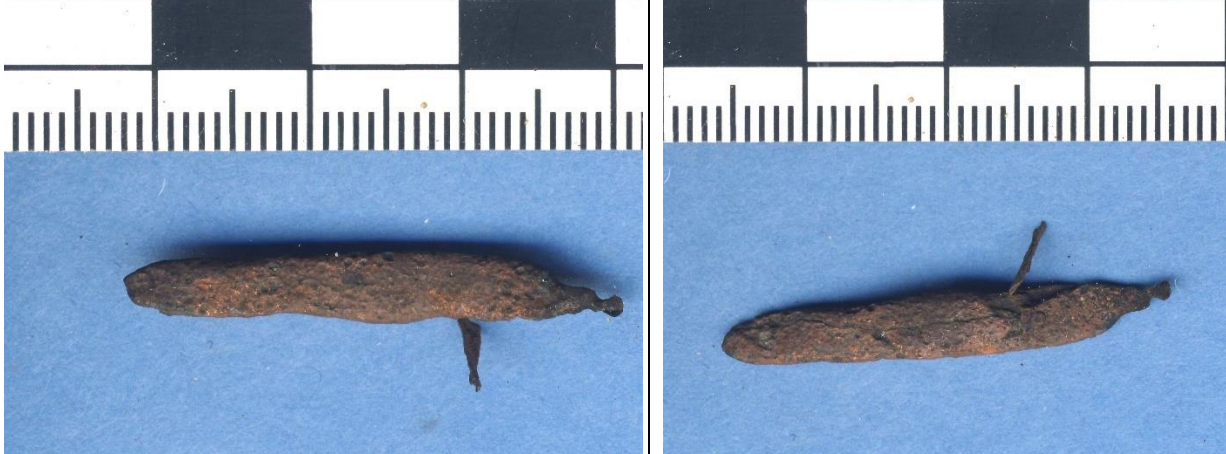



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|---|--|--|
| Catalog Number: 38-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 19.98<br>Width: 3.25<br>Thickness: 1.96<br>Weight: 0.58   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |  |  |
| <b>Comment:</b>   | broken off distal end of an awl  |  |



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|--|--|--|
| Catalog Number: 38-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.29<br>Width: 14.39<br>Thickness: 9.33<br>Weight: 15.29   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Mostly socket with short pointed tip on distal end   |  |  |

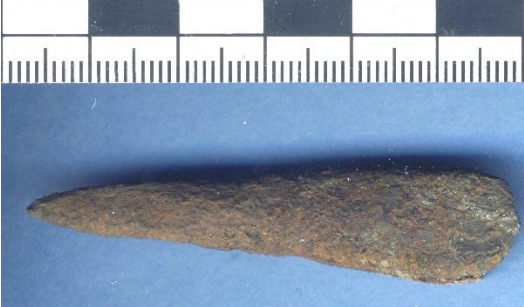

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|--|--|
| Catalog Number: 38-24<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Light<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.77<br>Width: 12.41<br>Thickness: 8.38<br>Weight: 8.71  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Not sure about the authenticity of this one...   |  |





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| Catalog Number: 38-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.48<br>Width: 4.83<br>Thickness: 2.06<br>Weight: 1.32   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|    |  |  |
| <b>Comment:</b>  | probable early manufacturing stage   |  |


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|--|---|
| Catalog Number: 38-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.75<br>Width: 13.76<br>Thickness: 7.71<br>Weight: 14.08  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | These conicals in case 38 have a different, longer socket to bit ratio than the case 33 conicals  |

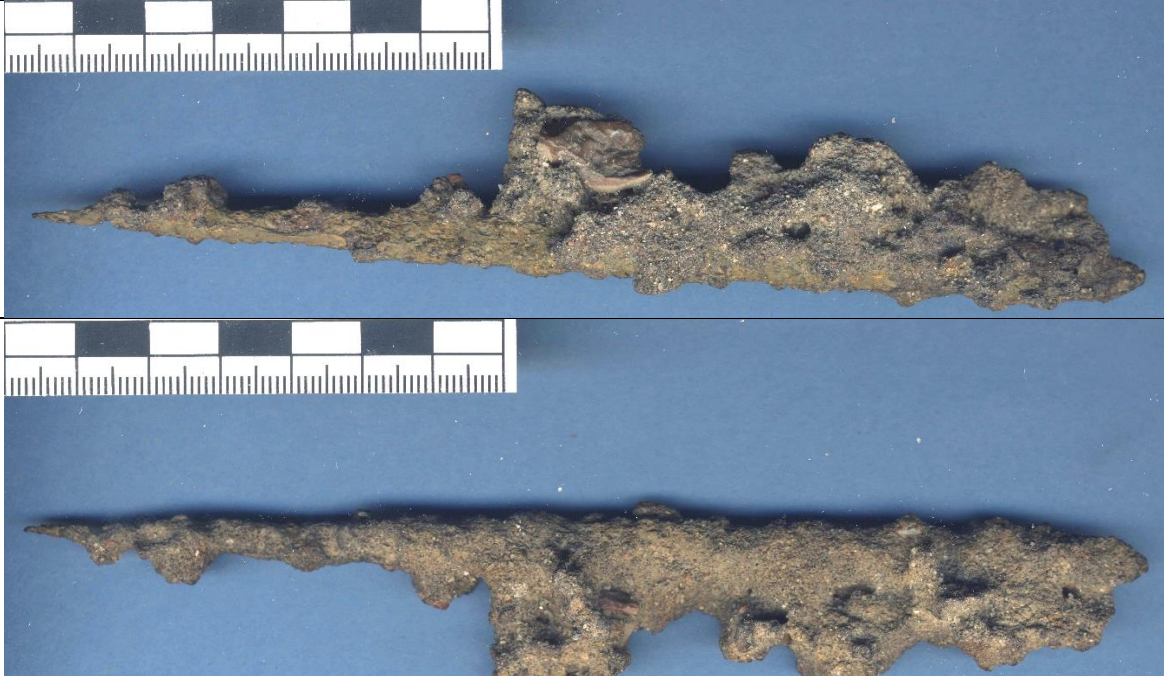
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|--|---|
| Catalog Number: 38-27<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Light<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.19<br>Width: 3.06<br>Thickness: 2.95<br>Weight: 1.03  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> probable early manufacturing stage   |   |


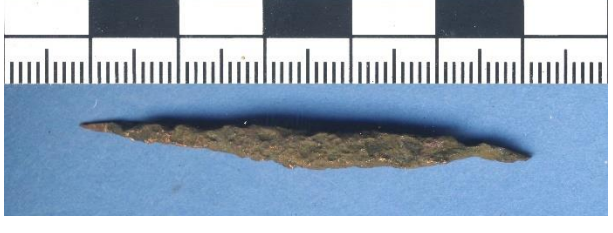
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|--|--|--|
| Catalog Number: 38-28<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 58.42<br>Width: 13.71<br>Thickness: 8.61<br>Weight: 11.71   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Base is pointed toward Prox.   |  |  |

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|--|--|--|
| Catalog Number: 38-29<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.22<br>Width: 4.48<br>Thickness: 1.47<br>Weight: 0.43   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b> probable early manufacturing stage   |  |  |

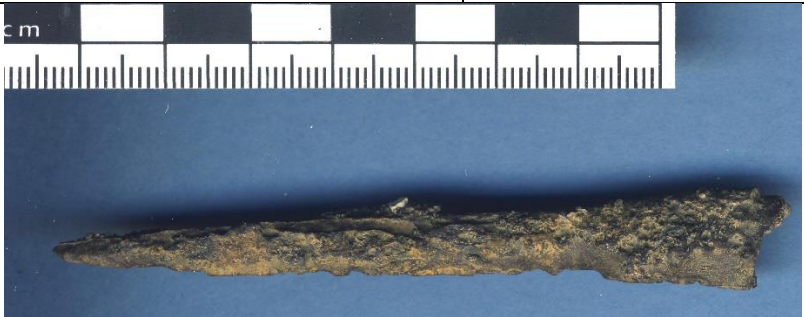
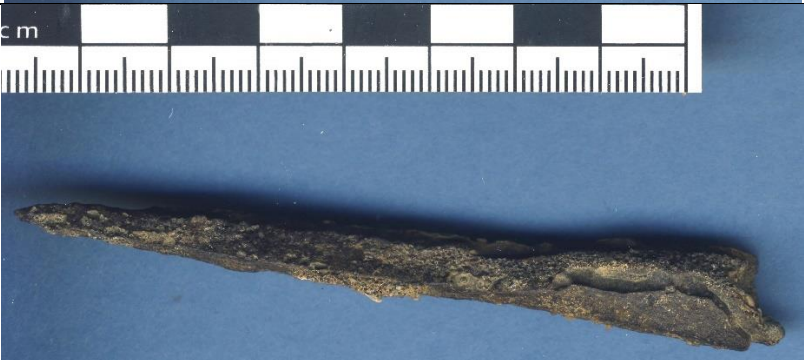



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|---|---|
| Catalog Number: 38-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element: Square<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 187.00<br>Width: 7.83<br>Thickness: 5.99<br>Weight: 42.85  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
|   |   |
| <b>Comment:</b>   |   |

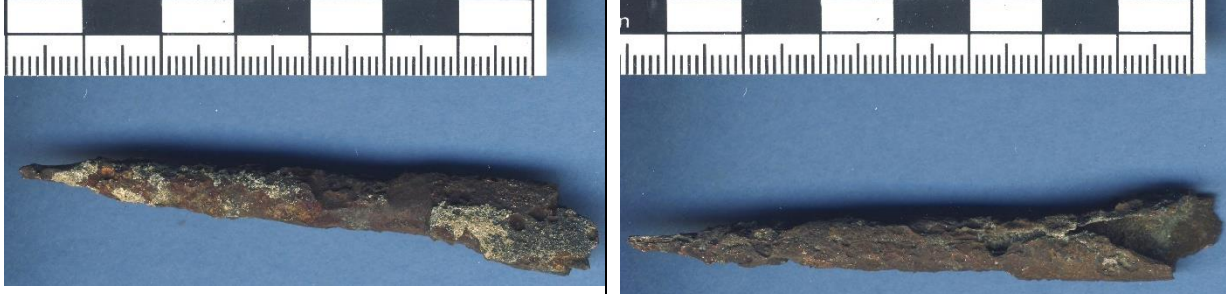
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|--|---|
| Catalog Number: 38-31<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 166.00<br>Width: 7.30<br>Thickness: 5.80<br>Weight: 52.95  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |



|   |   |  |
|---|---|--|
| Catalog Number: 38-32<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.39<br>Width: 4.76<br>Thickness: 4.08<br>Weight: 3.05  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |





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| Catalog Number: 38-33<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 89.93<br>Width: 12.30<br>Thickness: 10.58<br>Weight: 17.92  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | base too corroded  |



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| Catalog Number: 38-34<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 49.19<br>Width: 6.47<br>Thickness: 3.07<br>Weight: 2.05   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   | strangely light corrosion  |  |



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| Catalog Number: 38-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 78.40<br>Width: 11.88<br>Thickness: 9.36<br>Weight: 16.84   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  | base too corroded  |  |

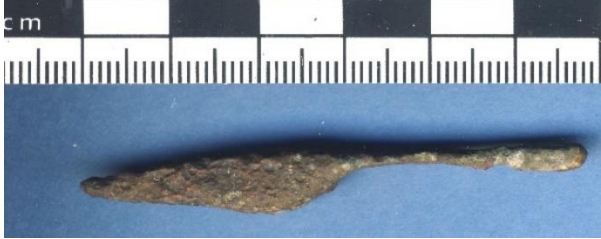

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|--|---|--|
| Catalog Number: 38-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel IV<br>Wittry Type:  | Distal Morphology: Flat<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 74.57<br>Width: 3.68<br>Thickness: 3.05<br>Weight: 3.54  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment</b><br>:  | Flat chisel end on one end, pointed end on the other, possible 2 ended tool   |  |

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| Catalog Number: 38-37<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.58<br>Width: 7.73<br>Thickness: 3.13<br>Weight: 2.68   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |  |  |
| <b>Comment:</b>  |  |  |







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|--|--|
| Catalog Number: 38-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Fragment<br>Wittry Type:  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.56<br>Width: 7.12<br>Thickness: 1.76<br>Weight: 1.61   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b> probable early manufacturing stage   |  |

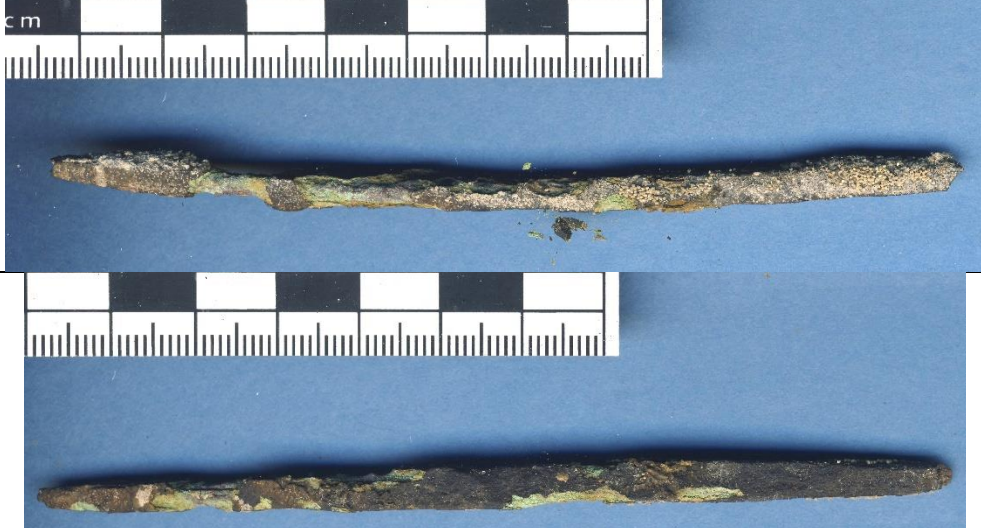
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| Catalog Number: 38-40<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.42<br>Width: 4.46<br>Thickness: 3.50<br>Weight: 3.18  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


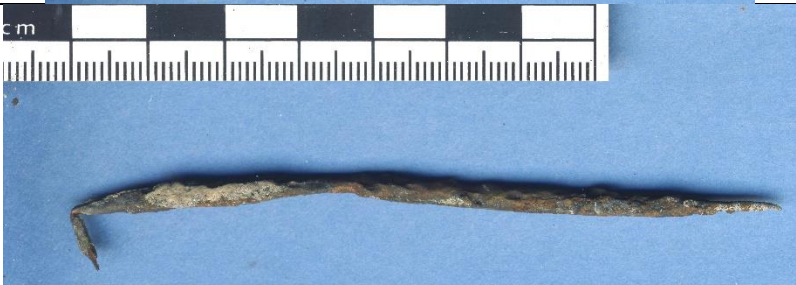
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| Catalog Number: 38-41<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fragment<br>Wittry Type:   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 59.74<br>Width: 7.57<br>Thickness: 6.39<br>Weight: 7.28   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> probable early manufacturing stage   |  |  |





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| Catalog Number: 38-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Hook<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 70.93<br>Width: 3.87<br>Thickness: 3.87<br>Weight:   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment</b><br>:  |   |  |


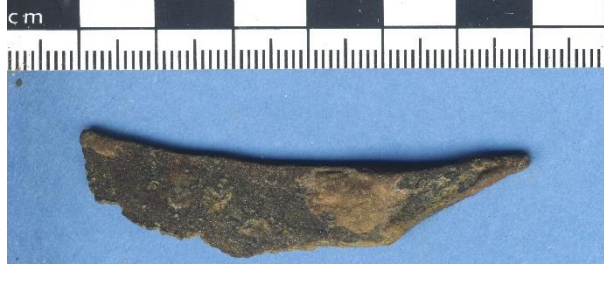
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| Catalog Number: 38-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Indeterminate   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 66.43<br>Width: 4.38<br>Thickness: 4.14<br>Weight: 3.93   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> VERY Heavy corrosion   |  |

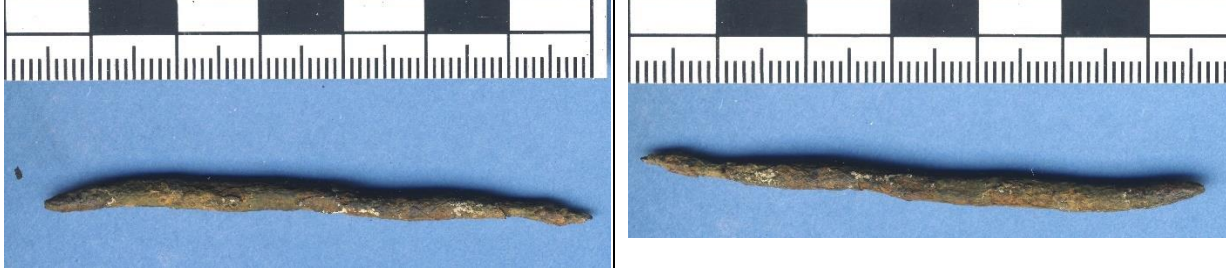
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| Catalog Number: 38-45<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Indeterminate<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting Element: Rectangular<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 113.37<br>Width: 4.78<br>Thickness: 3.86<br>Weight: 7.74   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
|   |   |
| <b>Comment:</b>   |   |



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| Catalog Number: 38-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 95.63<br>Width: 3.86<br>Thickness: 2.95<br>Weight: 4.75  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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|    |   |
| <b>Comment:</b>  |   |

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|--|---|--|
| Catalog Number: 38-51<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Indeterminate<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Irregular<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.35<br>Width: 19.52<br>Thickness: 6.25<br>Weight: 15.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |   |  |
| <b>Comment:</b> Expedient chisel   |   |  |


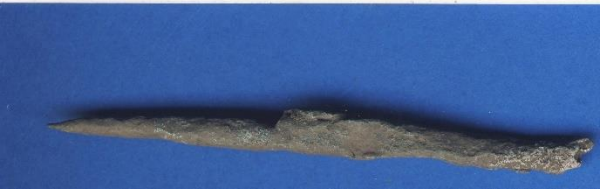






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| Catalog Number: 38-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A2  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 60.02<br>Width: 12.77<br>Thickness: 4.06<br>Weight: 6.41   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment</b><br>:  |   |  |




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|---|---|--|
| Catalog Number: 38-55<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.82<br>Width: 3.28<br>Thickness: 3.26<br>Weight: 3.02  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>   |   |  |


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|--|---|--|
| Catalog Number: 41-1<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Cut<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.37<br>Width: 5.04<br>Thickness: 5.06<br>Weight: 4.72  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Interestingly bent in the middle with an intentional but in the bend, seemingly to ease the pressure.  |   |  |






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|--|---|--|
| Catalog Number: 41-2<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-D  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Loop<br>Proximal Shape: Irregular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Smashed<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.91<br>Width: 4.43<br>Thickness: 5.03<br>Weight: 7.33  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> probably a broken needle missing the very proximal end   |   |  |



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| Catalog Number: 41-3<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Type: IV-A<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Twisted<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 59.19<br>Width: 5.76<br>Thickness: 2.71<br>Weight: 3.03   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |



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|--|---|--|
| Catalog Number: 41-4<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.46<br>Width: 5.80<br>Thickness: 4.17<br>Weight: 4.93  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 41-5<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.82<br>Width: 5.66<br>Thickness: 3.32<br>Weight: 3.92  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |





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|---|---|--|
| Catalog Number: 41-6<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.04<br>Width: 7.38<br>Thickness: 4.21<br>Weight: 5.25  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |



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| Catalog Number: 41-7<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.23<br>Width: 5.49<br>Thickness: 3.81<br>Weight: 4.58  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |



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|--|---|--|
| Catalog Number: 41-8<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Arched Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.68<br>Width: 5.00<br>Thickness: 4.78<br>Weight: 4.41  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 41-9<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.89<br>Width: 3.16<br>Thickness: 3.07<br>Weight: 2.16  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |








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|--|---|--|
| Catalog Number: 41-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.97<br>Width: 5.41<br>Thickness: 3.15<br>Weight: 2.98  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: 41-11<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV-A<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 56.75<br>Width: 3.50<br>Thickness: 2.24<br>Weight: 1.74  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

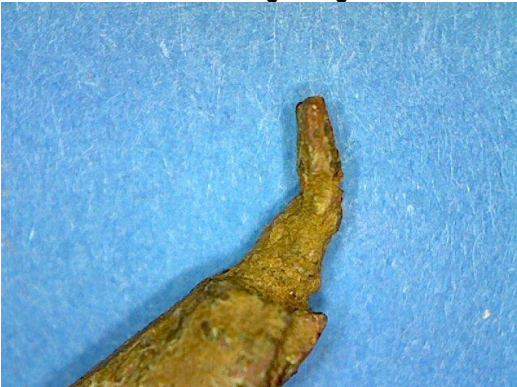

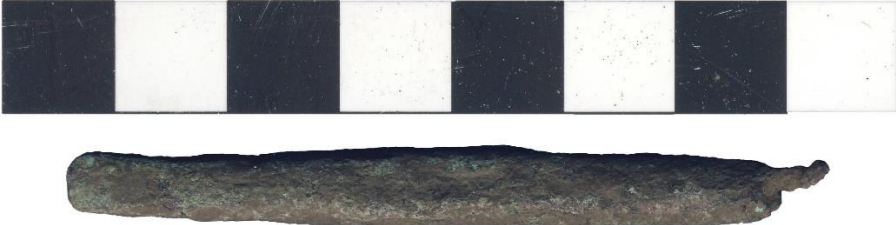
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| Catalog Number: 41-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.15<br>Width: 3.04<br>Thickness: 2.39<br>Weight: 2.40  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |




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|--|---|--|
| Catalog Number: 41-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Indeterminate |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.77<br>Width: 3.56<br>Thickness: 2.95<br>Weight: 2.53  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|--|---|--|
| Catalog Number: 41-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: Crimped<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.31<br>Width: 4.99<br>Thickness: 3.19<br>Weight: 4.11  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Welding split  |   |  |



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| Catalog Number: 41-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Split<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.64<br>Width: 6.73<br>Thickness: 5.59<br>Weight: 9.57   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b>  | Welding split  |

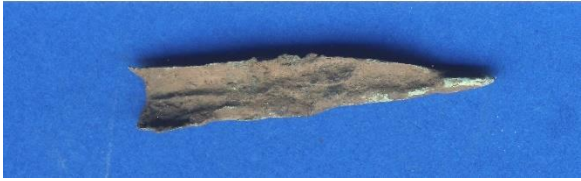





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| Catalog Number: 41-16<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Hook<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: Worn<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 68.26<br>Width: 6.39<br>Thickness: 6.26<br>Weight: 12.45  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |


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| Catalog Number: 41-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 50.68<br>Width: 7.15<br>Thickness: 3.92<br>Weight: 5.35   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Welding split  |  |  |






|  |   |
|--|---|
| Catalog Number: 41-18<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.80<br>Width: 5.18<br>Thickness: 5.05<br>Weight: 4.36  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |






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|---|---|--|
| Catalog Number: 41-19<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.29<br>Width: 5.43<br>Thickness: 2.77<br>Weight: 1.34  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b> Welding split   |   |  |






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|--|---|
| Catalog Number: 41-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.90<br>Width: 4.99<br>Thickness: 4.25<br>Weight: 5.35  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |



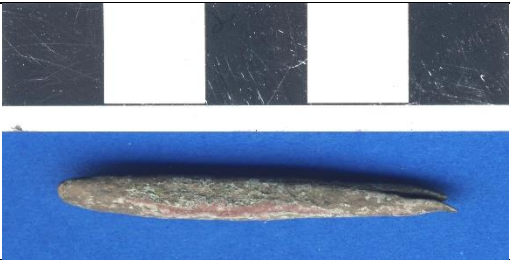
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|---|---|
| Catalog Number: 41-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.09<br>Width: 2.73<br>Thickness: 2.74<br>Weight: 2.04  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |

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|---|---|--|
| Catalog Number: 41-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 78.14<br>Width: 3.24<br>Thickness: 1.99<br>Weight: 2.15  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
|   |   |  |
| <b>Comment:</b>   |   |  |







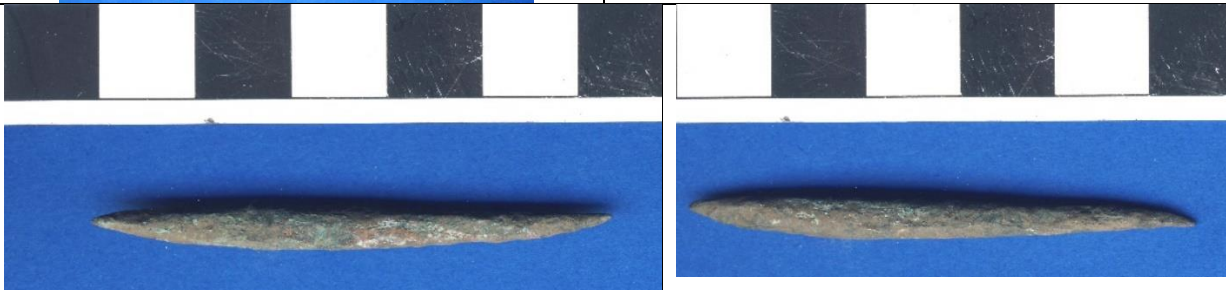
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| Catalog Number: 41-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.05<br>Width: 3.34<br>Thickness: 3.30<br>Weight: 3.29  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <br>  |   |
| <b>Comment:</b>   |   |




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|---|---|--|
| Catalog Number: 41-25<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.61<br>Width: 2.99<br>Thickness: 1.86<br>Weight: 1.21  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |




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|--|---|--|
| Catalog Number: 41-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.85<br>Width: 4.16<br>Thickness: 4.05<br>Weight: 3.14  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |




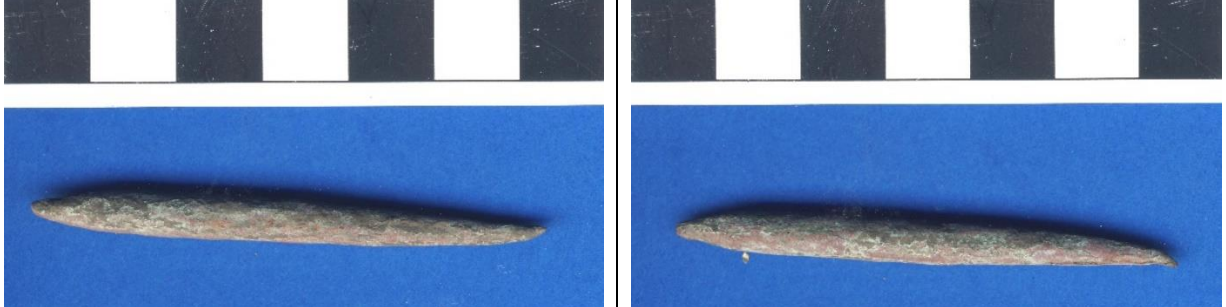
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|--|---|--|
| Catalog Number: 41-27<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.03<br>Width: 5.70<br>Thickness: 4.81<br>Weight: 6.77  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | Welding split   |  |





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|---|---|--|
| Catalog Number: 41-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.44<br>Width: 4.63<br>Thickness: 4.19<br>Weight: 4.29  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>   |   |  |



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|---|---|--|
| Catalog Number: 41-29<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.04<br>Width: 4.53<br>Thickness: 4.31<br>Weight: 4.07  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

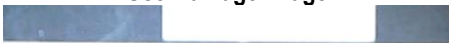

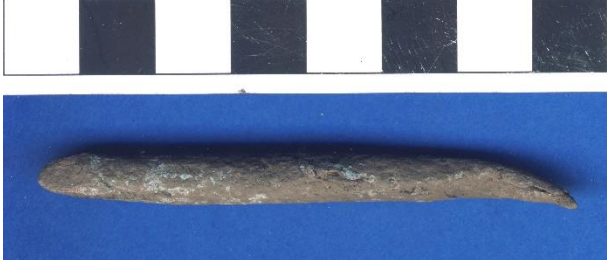

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|--|---|--|
| Catalog Number: 41-30<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 52.01<br>Width: 5.20<br>Thickness: 4.48<br>Weight: 4.27  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b> Welding split  |   |  |






|   |   |  |
|---|---|--|
| Catalog Number: 41-31<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 60.54<br>Width: 5.45<br>Thickness: 5.35<br>Weight: 7.72  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>   |   |  |




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|--|---|--|
| Catalog Number: 41-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 63.28<br>Width: 5.76<br>Thickness: 5.51<br>Weight: 9.48  |  |
| <b>Use-Damage Image</b><br><br>                                      | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | some evidence of fold over with edges being pounded to middle then ground down  |  |


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| Catalog Number: 41-33<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.13<br>Width: 5.05<br>Thickness: 5.63<br>Weight: 8.10  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b> some evidence of fold over with edges being pounded to middle then ground down   |   |

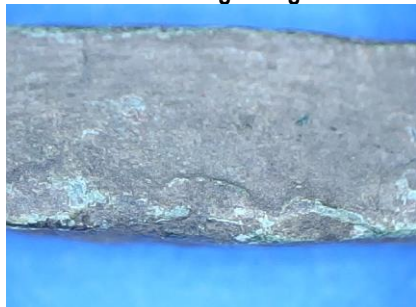

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| Catalog Number: 41-34<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 72.59<br>Width: 6.64<br>Thickness: 6.72<br>Weight: 14.42  |
| <b>Use-Damage Image</b><br><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Welding split  |  |






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| Catalog Number: 41-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Indented<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.84<br>Width: 6.32<br>Thickness: 5.12<br>Weight: 9.15  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Welding split   |




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| Catalog Number: 41-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.36<br>Width: 5.12<br>Thickness: 4.55<br>Weight: 7.61  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Welding split   |



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| Catalog Number: 41-37<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.68<br>Width: 4.69<br>Thickness: 4.61<br>Weight: 5.42  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 41-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.71<br>Width: 6.96<br>Thickness: 4.80<br>Weight: 7.91   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: 41-39<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Arched Curvate Rod<br>Degree of Curvature: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 58.64<br>Width: 4.64<br>Thickness: 4.50<br>Weight: 5.76  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |







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|--|---|--|
| Catalog Number: 41-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: Split<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 68.25<br>Width: 5.26<br>Thickness: 4.77<br>Weight: 7.04  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  | Welding split   |  |

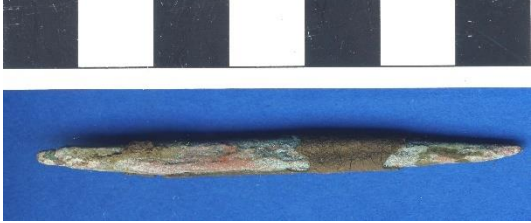

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|--|---|--|
| Catalog Number: 41-41<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 62.31<br>Width: 6.42<br>Thickness: 5.29<br>Weight: 5.73  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|--|---|--|
| Catalog Number: 41-42<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 43.98<br>Width: 7.63<br>Thickness: 5.90<br>Weight: 6.45  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |









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| Catalog Number: 41-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 67.57<br>Width: 5.01<br>Thickness: 3.50<br>Weight: 4.17  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |   |  |



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|--|---|--|
| Catalog Number: 41-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.87<br>Width: 4.69<br>Thickness: 3.15<br>Weight: 4.94  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 41-45<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 64.96<br>Width: 5.16<br>Thickness: 4.21<br>Weight: 5.07  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: 41-46<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.91<br>Width: 7.82<br>Thickness: 3.89<br>Weight: 5.52  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |




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|---|---|--|
| Catalog Number: 41-47<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.13<br>Width: 5.29<br>Thickness: 2.17<br>Weight: 2.88  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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|---|---|--|
| Catalog Number: 41-48<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.57<br>Width: 3.79<br>Thickness: 3.42<br>Weight: 2.50  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



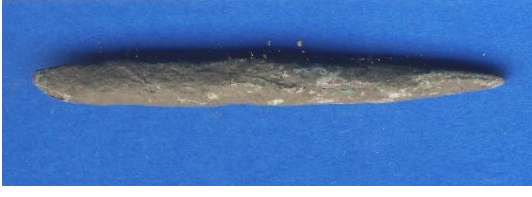
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|---|---|
| Catalog Number: 41-49<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.15<br>Width: 3.72<br>Thickness: 3.76<br>Weight: 4.22  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |




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| Catalog Number: 41-50<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.12<br>Width: 6.09<br>Thickness: 2.39<br>Weight: 3.40  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |







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|---|--|--|
| Catalog Number: 41-51<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.27<br>Width: 4.34<br>Thickness: 4.00<br>Weight: 3.29   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |



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|--|---|
| Catalog Number: 41-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.03<br>Width: 6.78<br>Thickness: 2.64<br>Weight: 3.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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|---|---|--|
| Catalog Number: 41-53<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 44.95<br>Width: 4.53<br>Thickness: 4.37<br>Weight: 3.49  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |




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| Catalog Number: 41-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 80.83<br>Width: 5.14<br>Thickness: 4.69<br>Weight: 8.02  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  | Welding split   |

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|--|---|
| Catalog Number: 41-55<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Square<br>Proximal Shape: Pointed<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.13<br>Width: 6.43<br>Thickness: 5.99<br>Weight: 11.20   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


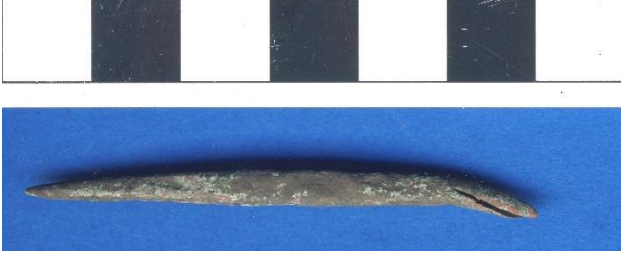





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|--|---|--|
| Catalog Number: 41-56<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.89<br>Width: 6.32<br>Thickness: 2.84<br>Weight: 3.48  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 41-57<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.44<br>Width: 5.93<br>Thickness: 3.11<br>Weight: 2.57   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 41-58<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 47.83<br>Width: 4.12<br>Thickness: 3.08<br>Weight: 2.81  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b> Welding split   |   |







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|--|---|--|
| Catalog Number: 41-59<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Split<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.63<br>Width: 4.32<br>Thickness: 4.47<br>Weight: 4.25  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Welding split  |   |  |

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|---|---|--|
| Catalog Number: 41-60<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.25<br>Width: 4.38<br>Thickness: 4.22<br>Weight: 4.33  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 41-61<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV-A<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: 0<br>Total for Use-Damage: No<br>Presence of Use Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 52.63<br>Width: 4.12<br>Thickness: 3.21<br>Weight: 3.13   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: 41-62<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.93<br>Width: 5.51<br>Thickness: 4.98<br>Weight: 4.92  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 41-63<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 52.19<br>Width: 5.03<br>Thickness: 4.22<br>Weight: 3.84  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Welding split  |   |  |




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|---|---|--|
| Catalog Number: 41-64<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.22<br>Width: 4.77<br>Thickness: 4.78<br>Weight: 3.64  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |







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|--|---|--|
| Catalog Number: 41-65<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Twisted<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 56.82<br>Width: 7.35<br>Thickness: 4.06<br>Weight: 5.15  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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|--|---|--|
| Catalog Number: 41-66<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.08<br>Width: 4.13<br>Thickness: 3.99<br>Weight: 3.44  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |





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|--|---|--|
| Catalog Number: 41-67<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Twisted<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.18<br>Width: 6.43<br>Thickness: 3.98<br>Weight: 3.38  |  |
| <b>Use-Damage Image</b><br><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |


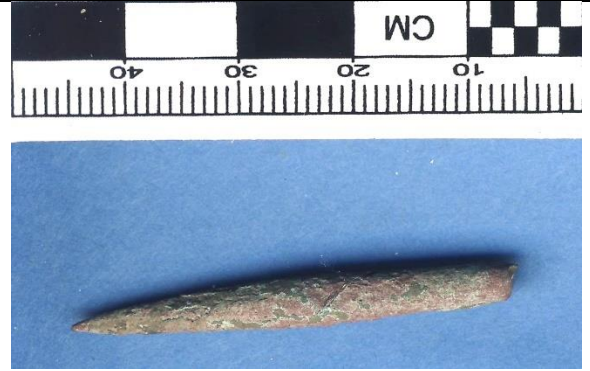
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|--|---|--|
| Catalog Number: 41-68<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Cut<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.71<br>Width: 3.89<br>Thickness: 5.01<br>Weight: 4.40  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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|--|--|
| Catalog Number: U3-01<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 62.13<br>Width: 4.81<br>Thickness: 4.76<br>Weight: 6.07   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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|---|--|
| Catalog Number: U3-02<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A or B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.46<br>Width: 7.66<br>Thickness: 7.16<br>Weight: 14.04  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

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|---|---|--|
| Catalog Number: U3-03<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.25<br>Width: 2.90<br>Thickness: 2.75<br>Weight: 1.08  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |






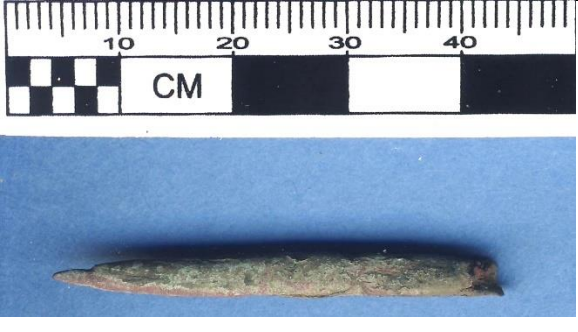
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| Catalog Number: U3-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Indented |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.72<br>Width: 4.53<br>Thickness: 3.71<br>Weight: 2.49   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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|---|---|--|
| Catalog Number: U3-05<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.82<br>Width: 2.92<br>Thickness: 1.56<br>Weight: 1.07  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |



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|---|--|
| Catalog Number: U3-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.43<br>Width: 3.36<br>Thickness: 3.23<br>Weight: 1.60   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b>   |  |







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|---|---|
| Catalog Number: U3-07<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A                                  | <b>Metric Analysis:</b><br>Length: 25.04<br>Width: 2.99<br>Thickness: 2.83<br>Weight: 0.92  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|  <p>A ruler showing centimeters from 10 to 40, with a checkered scale. Below the ruler is a photograph of a small, pointed, greenish-brown artifact against a blue background.</p> |  <p>A ruler showing centimeters from 10 to 40, with a checkered scale. Below the ruler is a photograph of the same artifact from a slightly different angle, showing its pointed tip and greenish-brown patina against a blue background.</p> |
| <b>Comment:</b>   |   |

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| Catalog Number: U3-08<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.18<br>Width: 4.38<br>Thickness: 3.69<br>Weight: 2.57  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>   |   |



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|---|---|--|
| Catalog Number: U3-09<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.34<br>Width: 3.27<br>Thickness: 3.06<br>Weight: 0.92  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: U3-10<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.56<br>Width: 4.84<br>Thickness: 4.38<br>Weight: 4.94  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

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|---|---|--|
| Catalog Number: U3-11<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.22<br>Width: 3.91<br>Thickness: 3.53<br>Weight: 2.42  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |



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|---|---|
| Catalog Number: U3-12<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 45.85<br>Width: 3.58<br>Thickness: 3.16<br>Weight: 2.84  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |







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| Catalog Number: U3-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Indented |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.67<br>Width: 5.06<br>Thickness: 4.34<br>Weight: 4.39   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b>  |  |



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| Catalog Number: U3-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.02<br>Width: 5.12<br>Thickness: 4.24<br>Weight: 3.93  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b> Welding split  |   |







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| Catalog Number: U3-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.19<br>Width: 6.20<br>Thickness: 4.49<br>Weight: 5.52   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

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| Catalog Number: U3-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.58<br>Width: 5.95<br>Thickness: 4.94<br>Weight: 6.39   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b>  |  |

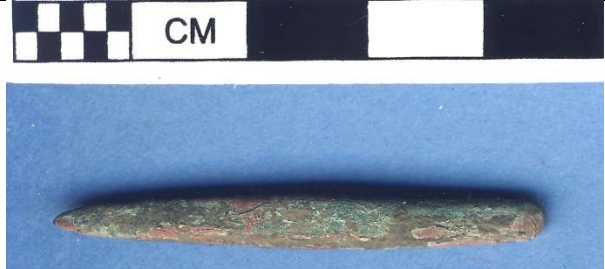

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| Catalog Number: U3-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Twisted<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.78<br>Width: 3.73<br>Thickness: 2.68<br>Weight: 1.52   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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|---|---|
| Catalog Number: U3-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.76<br>Width: 4.44<br>Thickness: 4.27<br>Weight: 1.66  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>   |   |

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|--|---|--|
| Catalog Number: U3-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.90<br>Width: 3.26<br>Thickness: 2.78<br>Weight: 1.42  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |



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|--|---|--|
| Catalog Number: U3-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.55<br>Width: 4.37<br>Thickness: 3.17<br>Weight: 2.08  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | Medial "groove"   |  |


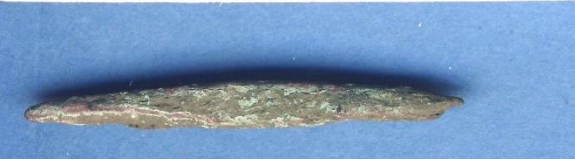




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|--|---|--|
| Catalog Number: U3-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.75<br>Width: 4.36<br>Thickness: 4.09<br>Weight: 3.72  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

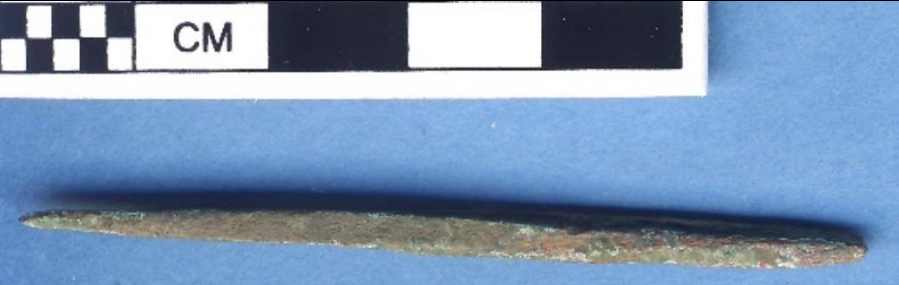
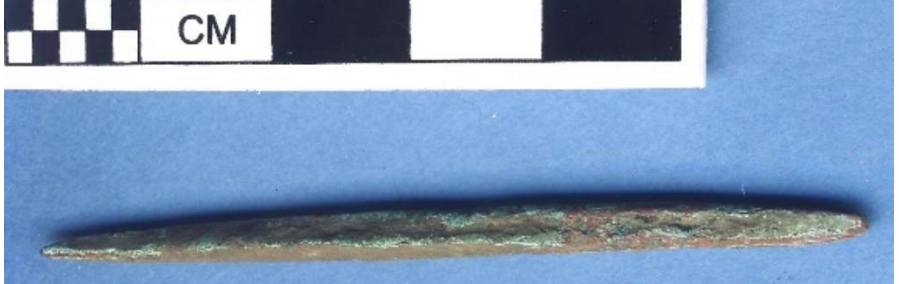
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|--|---|--|
| Catalog Number: U3-22<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.72<br>Width: 4.76<br>Thickness: 2.75<br>Weight: 3.13  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

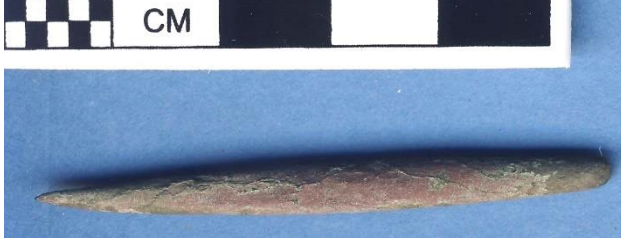





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|--|---|--|
| Catalog Number: U3-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.70<br>Width: 4.51<br>Thickness: 3.41<br>Weight: 2.99  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

|  |   |
|--|---|
| Catalog Number: U3-24<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.05<br>Width: 4.37<br>Thickness: 2.23<br>Weight: 1.63  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b> Welding split  |   |



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|--|--|
| Catalog Number: U3-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 73.23<br>Width: 6.62<br>Thickness: 6.42<br>Weight: 15.42  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b>  | Welding split  |



|  |   |
|--|---|
| Catalog Number: U3-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.61<br>Width: 3.45<br>Thickness: 3.07<br>Weight: 3.29  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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|--|---|
| Catalog Number: U3-27<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.44<br>Width: 4.99<br>Thickness: 4.77<br>Weight: 4.84  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |

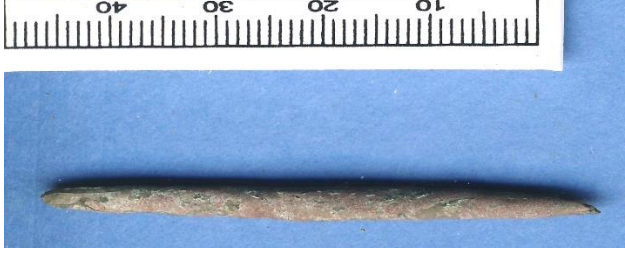

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|---|--|--|
| Catalog Number: U3-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.53<br>Width: 4.51<br>Thickness: 3.34<br>Weight: 3.74   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   |  |  |








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|--|---|--|
| Catalog Number: U3-29<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.14<br>Width: 4.32<br>Thickness: 3.97<br>Weight: 3.79  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


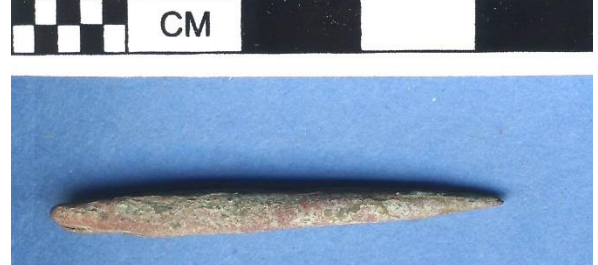
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|---|---|
| Catalog Number: U3-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Chisel<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Flared Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Worn<br>Distal 2: Polished<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.70<br>Width: 4.63<br>Thickness: 4.13<br>Weight: 7.25  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|   |   |
|   |   |
| <b>Comment:</b>   |   |

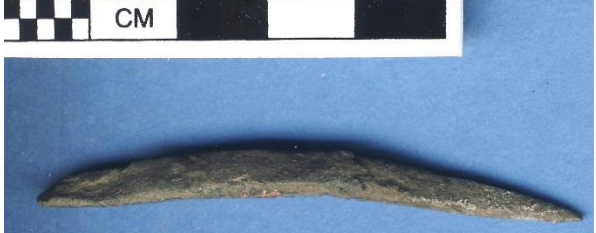




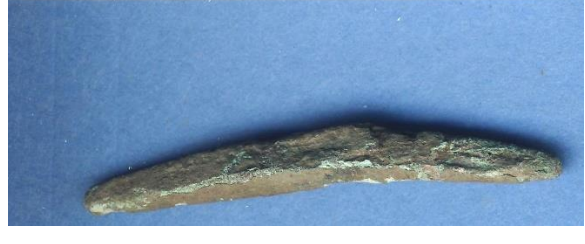
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|---|---|--|
| Catalog Number: U3-31<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A     | <b>Metric Analysis:</b><br>Length: 53.22<br>Width: 3.32<br>Thickness: 3.18<br>Weight: 2.20  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment:</b>   |   |  |

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| Catalog Number: U3-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 45.52<br>Width: 4.53<br>Thickness: 3.89<br>Weight: 2.86  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |



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| Catalog Number: U3-33<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.97<br>Width: 3.84<br>Thickness: 3.23<br>Weight: 0.95   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: U3-34<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.02<br>Width: 4.01<br>Thickness: 3.79<br>Weight: 2.75   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: U3-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 62.99<br>Width: 5.24<br>Thickness: 4.81<br>Weight: 7.36   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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|--|---|
| Catalog Number: U3-37<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.24<br>Width: 4.82<br>Thickness: 3.93<br>Weight: 3.88  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |







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| Catalog Number: U3-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 23.84<br>Width: 2.69<br>Thickness: 2.01<br>Weight: 0.56  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: U3-39<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Indented |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.71<br>Width: 4.38<br>Thickness: 3.96<br>Weight: 4.47   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> Welding split  |  |  |







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| Catalog Number: U3-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 47.98<br>Width: 4.38<br>Thickness: 3.61<br>Weight: 3.71  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: U3-41<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.98<br>Width: 4.94<br>Thickness: 3.59<br>Weight: 4.48  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |


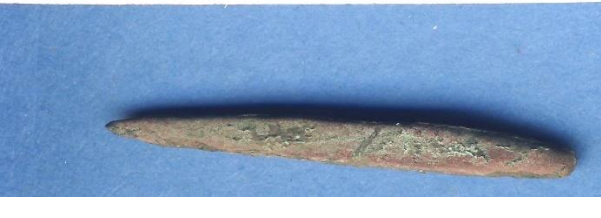
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|---|---|--|
| Catalog Number: U3-42<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.77<br>Width: 5.98<br>Thickness: 5.11<br>Weight: 6.29  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |



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|---|---|--|
| Catalog Number: U3-43<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.01<br>Width: 6.43<br>Thickness: 6.27<br>Weight: 8.29  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   | Welding split   |  |

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| Catalog Number: U3-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.12<br>Width: 5.22<br>Thickness: 4.79<br>Weight: 9.78  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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|---|---|--|
| Catalog Number: U3-45<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.20<br>Width: 3.37<br>Thickness: 3.29<br>Weight: 2.50  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |








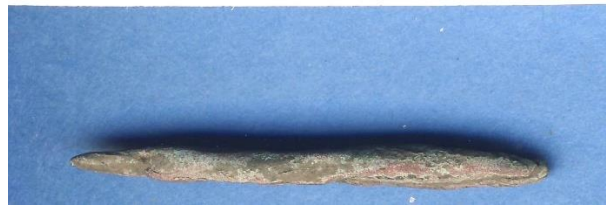
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| Catalog Number: U3-46<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.00<br>Width: 3.78<br>Thickness: 3.70<br>Weight: 3.02  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: U3-47<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.75<br>Width: 5.78<br>Thickness: 4.98<br>Weight: 3.94  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |





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| Catalog Number: U3-48<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.53<br>Width: 4.97<br>Thickness: 4.50<br>Weight: 3.19  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>   |   |

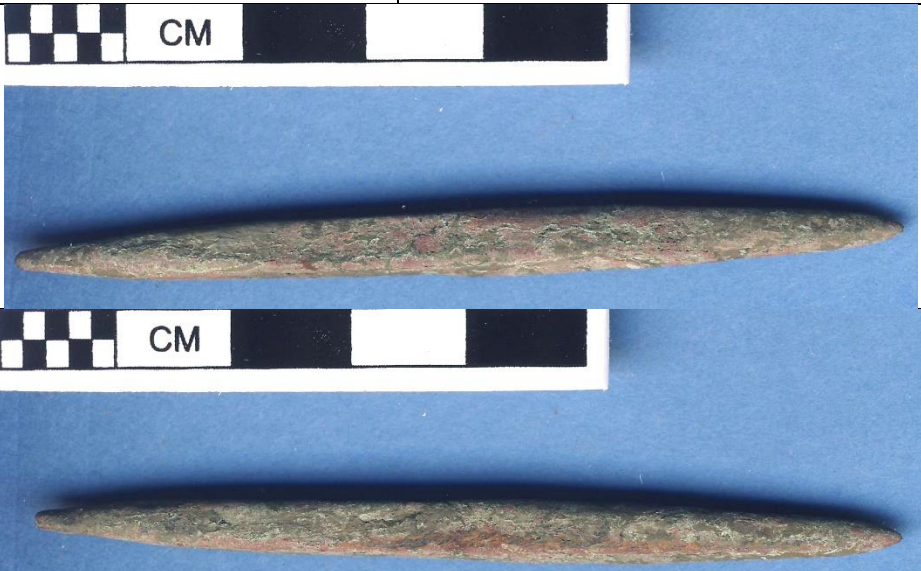
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| Catalog Number: U3-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.77<br>Width: 3.70<br>Thickness: 3.05<br>Weight: 1.20  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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|---|---|--|
| Catalog Number: U3-50<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A  | <b>Metric Analysis:</b><br>Length: 40.39<br>Width: 4.77<br>Thickness: 3.15<br>Weight: 2.57  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   </div> <div style="text-align: center;">   </div> </div> |   |  |
| <b>Comment:</b>   |   |  |



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|---|---|
| Catalog Number: U3-51<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.40<br>Width: 4.70<br>Thickness: 3.86<br>Weight: 2.75  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

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|---|---|
| Catalog Number: U3-52<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 43.81<br>Width: 5.15<br>Thickness: 2.72<br>Weight: 3.15  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |

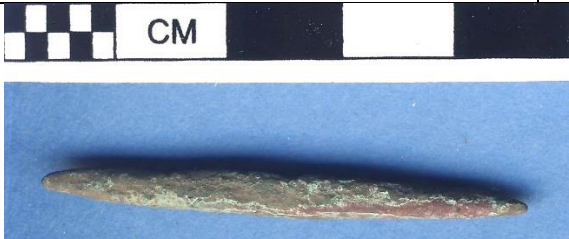





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|--|---|
| Catalog Number: U3-53<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 75.20<br>Width: 5.20<br>Thickness: 4.82<br>Weight: 10.10   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |



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|--|--|--|
| Catalog Number: U3-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.39<br>Width: 5.73<br>Thickness: 4.79<br>Weight: 6.59   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |


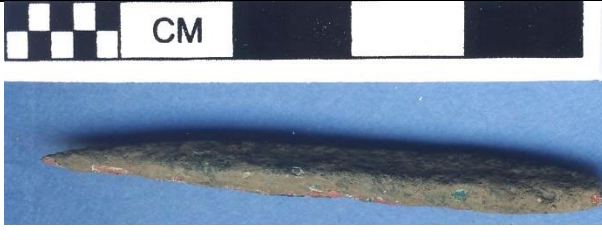
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|--|---|
| Catalog Number: U3-55<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.37<br>Width: 3.83<br>Thickness: 3.76<br>Weight: 5.43  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
|    |   |
| <b>Comment:</b>  |   |

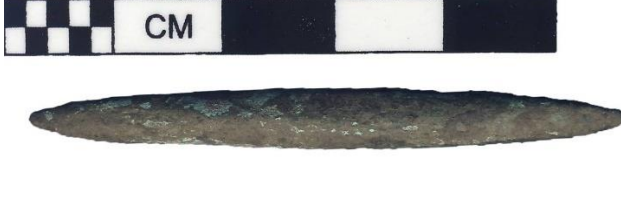
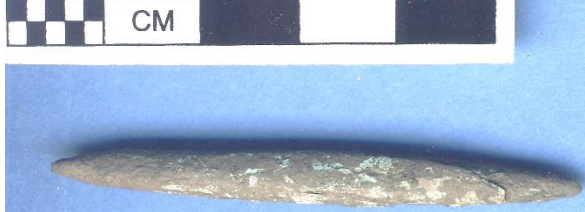


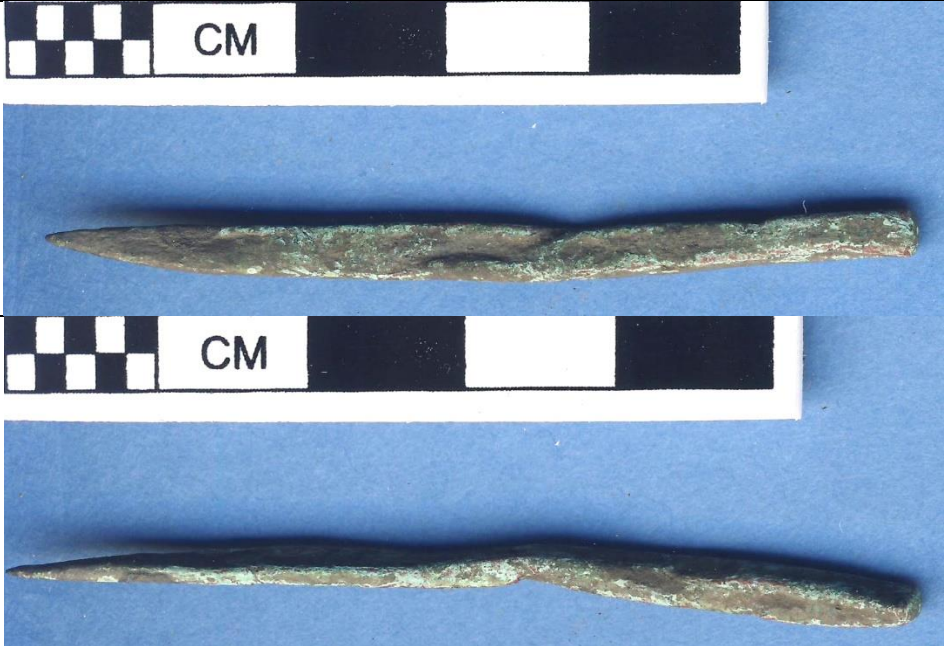
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|--|---|--|
| Catalog Number: U3-56<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.99<br>Width: 3.83<br>Thickness: 3.28<br>Weight: 2.72  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

|  |   |
|--|---|
| Catalog Number: U3-57<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.69<br>Width: 5.14<br>Thickness: 3.84<br>Weight: 3.98  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b>  |   |



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|--|---|--|
| Catalog Number: U3-58<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Curvate Rod<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Flattened<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A   | <b>Metric Analysis:</b><br>Length: 36.67<br>Width: 4.60<br>Thickness: 3.45<br>Weight: 2.58  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> |   |  |
| <b>Comment:</b>  |   |  |

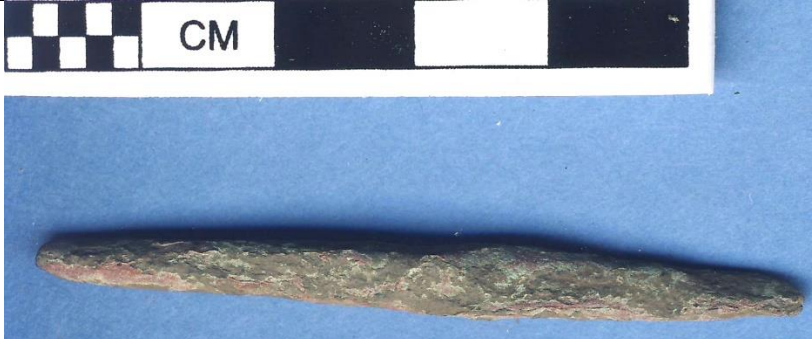

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|--|--|
| Catalog Number: U3-59<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.71<br>Width: 5.00<br>Thickness: 3.43<br>Weight: 3.83   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |    |
| <b>Comment:</b>  |  |

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|--|---|--|
| Catalog Number: U3-60<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.23<br>Width: 5.62<br>Thickness: 5.25<br>Weight: 5.99  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  | Welding split   |  |



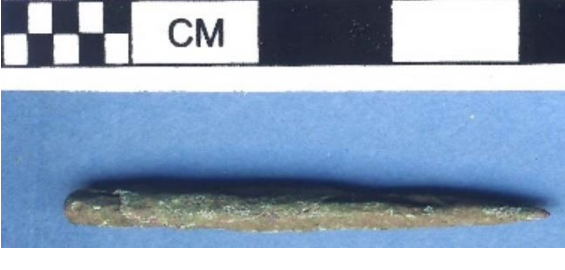
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|---|---|
| Catalog Number: U3-61<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.68<br>Width: 3.81<br>Thickness: 3.06<br>Weight: 2.67  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |


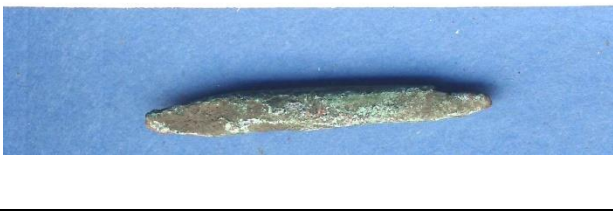




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| Catalog Number: U3-62<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.49<br>Width: 6.60<br>Thickness: 5.73<br>Weight: 8.69   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |    |
| <b>Comment:</b> Welding split  |  |



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|--|---|
| Catalog Number: U3-63<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Crushed<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.71<br>Width: 5.08<br>Thickness: 3.99<br>Weight: 5.06  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
|    |   |
| <b>Comment:</b>  |   |







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|---|---|--|
| Catalog Number: U3-64<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.93<br>Width: 3.66<br>Thickness: 3.06<br>Weight: 1.79  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

|  |   |
|--|---|
| Catalog Number: U3-65<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 27.82<br>Width: 3.44<br>Thickness: 2.84<br>Weight: 1.11  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |



|   |  |
|---|--|
| Catalog Number: U3-66<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 37.77<br>Width: 5.08<br>Thickness: 4.59<br>Weight: 3.86   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b>   |  |



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|---|--|--|
| Catalog Number: U3-67<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Present<br>Presence of Repair: Resharpened<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 22.52<br>Width: 2.81<br>Thickness: 2.24<br>Weight: 0.70   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|    |    |  |
| <b>Comment:</b>   |  |  |

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|--|---|
| Catalog Number: U3-68<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.80<br>Width: 4.73<br>Thickness: 3.40<br>Weight: 4.88  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |



|   |   |
|---|---|
| Catalog Number: U3-69<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.69<br>Width: 5.63<br>Thickness: 4.83<br>Weight: 4.40  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>   |   |


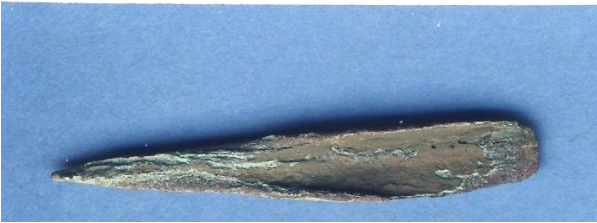



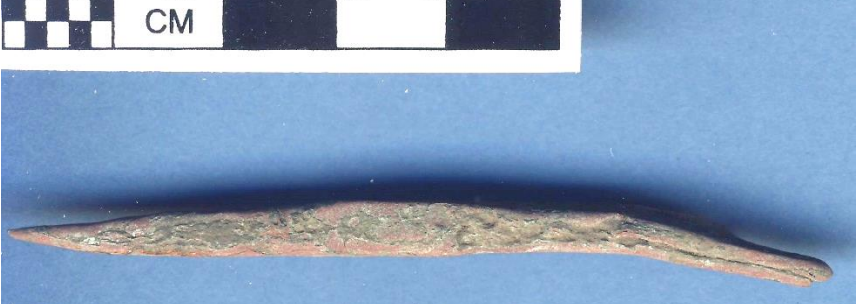
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|---|---|--|
| Catalog Number: U3-70<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 34.37<br>Width: 3.28<br>Thickness: 2.61<br>Weight: 0.91  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |



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|--|---|
| Catalog Number: U3-71<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.77<br>Width: 4.11<br>Thickness: 3.08<br>Weight: 1.44  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |





|   |   |
|---|---|
| Catalog Number: U3-72<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.35<br>Width: 5.06<br>Thickness: 4.07<br>Weight: 5.20  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |

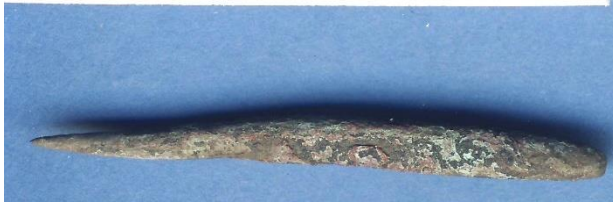

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|--|--|--|
| Catalog Number: U3-73<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.58<br>Width: 6.19<br>Thickness: 2.56<br>Weight: 1.60   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Could be an awl repurposed from a projectile point   |  |  |

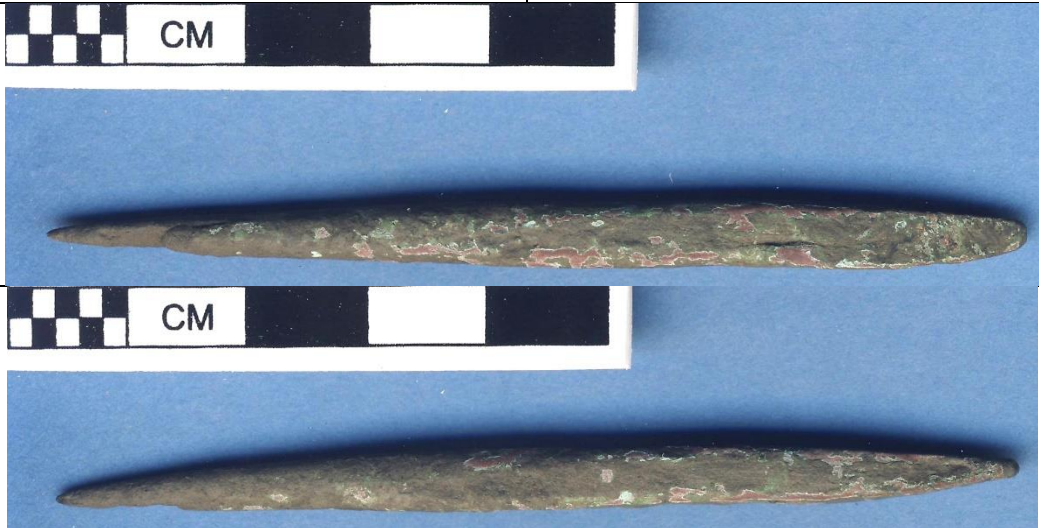
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|--|---|
| Catalog Number: U3-74<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 4<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.70<br>Width: 5.64<br>Thickness: 4.93<br>Weight: 7.93  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
|    |   |
| <b>Comment:</b>  | Welding split   |



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|---|---|--|
| Catalog Number: U3-75<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 36.90<br>Width: 2.41<br>Thickness: 2.05<br>Weight: 0.75  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   | Welding split   |  |

|  |   |
|--|---|
| Catalog Number: U3-76<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Curvate Rod<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.45<br>Width: 3.56<br>Thickness: 3.63<br>Weight: 3.06  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>  |   |

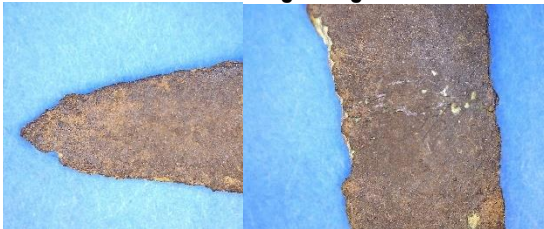





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|---|---|
| Catalog Number: U3-77<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.25<br>Width: 4.49<br>Thickness: 4.15<br>Weight: 4.65  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |




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|--|--|
| Catalog Number: U3-78<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 81.56<br>Width: 5.43<br>Thickness: 4.96<br>Weight: 10.77  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |



|   |   |
|---|---|
| Catalog Number: U3-79<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.82<br>Width: 4.31<br>Thickness: 3.86<br>Weight: 3.03  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b> possibly used after breaking  |   |






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|---|--|
| Catalog Number: U9-01<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Lanceolate<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Striated<br>Medial 1: Bend<br>Medial 2: Striated<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 111.56<br>Width: 10.81<br>Thickness: 2.82<br>Weight: 9.76   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
|   |  |
| <b>Comment:</b> Feather effigy, or some other non-utilitarian object  |  |

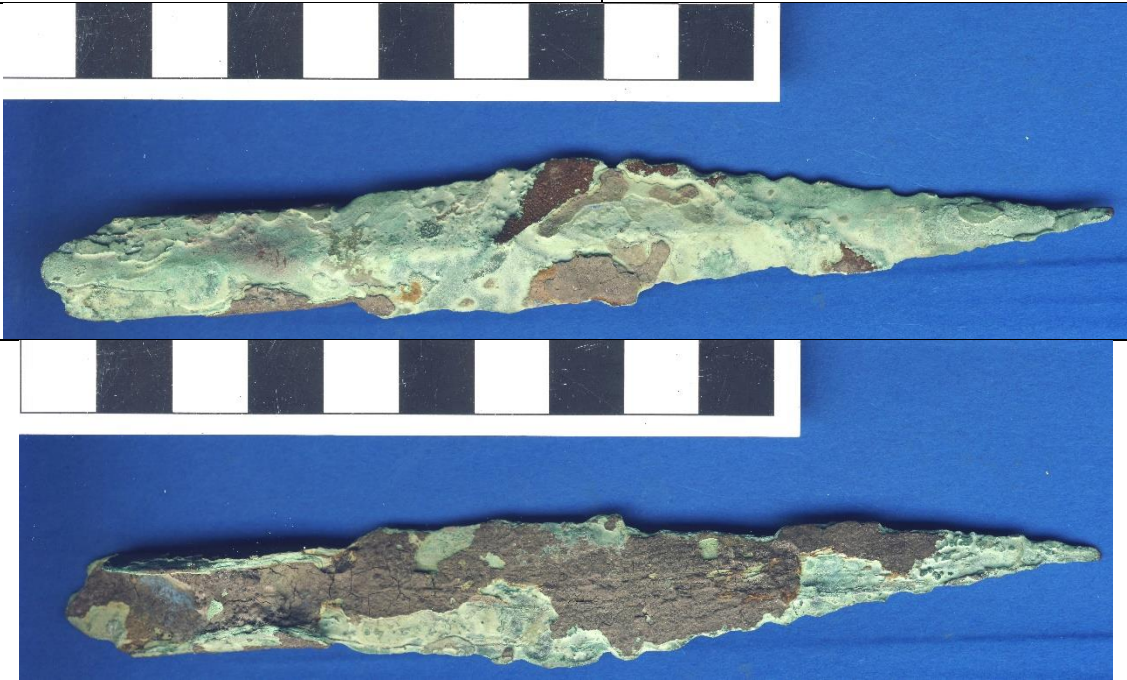
|   |  |
|---|--|
| Catalog Number: U9-02<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Broken<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 70.98<br>Width: 14.30<br>Thickness: 3.40<br>Weight: 7.44  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |    |
| <b>Comment:</b> Feather effigy, or some other non-utilitarian object  |  |



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|---|---|
| Catalog Number: U9-03<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A2   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Polished<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 86.49<br>Width: 20.03<br>Thickness: 8.73<br>Weight: 18.61  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
|    |   |
| <b>Comment:</b>   |   |



|  |  |
|--|--|
| Catalog Number: U9-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: N/A<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.93<br>Width: 12.46<br>Thickness: 2.57<br>Weight: 4.04  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |    |
| <b>Comment:</b>  |  |





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| Catalog Number: U9-05<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A1   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.55<br>Width: 16.74<br>Thickness: 2.82<br>Weight: 7.02   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|   |    |  |
| <b>Comment:</b> beveled from ventral side  |   |  |




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|--|---|
| Catalog Number: U9-06<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A1   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Triangular<br>Presence of Hafting Element: N/A<br>Proximal Shape: Present<br>Proximal Cross-Section: Socket<br>Proximal Morphology: Angular<br>Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 143.16<br>Width: 19.50<br>Thickness: 9.24<br>Weight: 27.98   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |   |
| <b>Comment:</b>  |   |

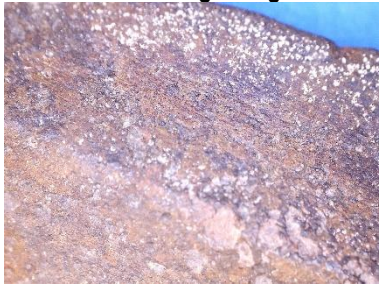


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| Catalog Number: U9-07<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A1   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 93.47<br>Width: 23.66<br>Thickness: 4.19<br>Weight: 31.58   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
|   |  |  |
| <b>Comment:</b> beveled from ventral side  |  |  |

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| Catalog Number: U9-08<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Feather<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Concave-convex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 60.66<br>Width: 12.76<br>Thickness: 2.71<br>Weight: 6.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  | Feather effigy, or some other non-utilitarian object   |  |






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| Catalog Number: U9-09<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lanceolate<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 55.58<br>Width: 11.54<br>Thickness: 2.11<br>Weight: 4.93  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |




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|---|--|
| Catalog Number: U9-10<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Polished<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 142.46<br>Width: 24.79<br>Thickness: 15.48<br>Weight: 126.01  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b> lots of striations from manufacture on the dorsal surface   |  |

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| Catalog Number: U9-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 101.61<br>Width: 20.43<br>Thickness: 8.77<br>Weight: 20.43   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|   |   |  |
| <b>Comment:</b> manufacturing striations mid-dorsal section  |   |  |





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|---|---|
| Catalog Number: U9-12<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Polished<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 125.40<br>Width: 24.88<br>Thickness: 5.98<br>Weight: 72.09   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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|   |   |
| <b>Comment:</b>   |   |

|   |   |
|---|---|
| Catalog Number: U9-13<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A  | Distal Morphology: Pointed<br>Functional Element: Biconvex<br>Cross-Section: Sub-Triangular<br>Functional Element: N/A<br>Shape: Present<br>Degree of Curvature: Socket<br>Presence of Hafting: Angular<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 107.43<br>Width: 17.25<br>Thickness: 3.74<br>Weight: 16.99   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: None<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:  |
|   |   |
|   |   |
| <b>Comment:</b>   | no shoulders  |



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| Catalog Number: U9-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 89.53<br>Width: 24.89<br>Thickness: 4.37<br>Weight: 25.79   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|   |    |  |
| <b>Comment:</b> manufacturing striations mid-ventral surface, perpendicular to long axis   |  |  |







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|---|--|--|
| Catalog Number: U9-15<br>Provenience: Lake Koshkonong   |  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:  |  | Distal Morphology: Flat<br>Functional Element Cross-Section: Concave-convex<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Worn<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A |  | <b>Metric Analysis:</b><br>Length: 87.28<br>Width: 12.96<br>Thickness: 5.22<br>Weight: 12.94   |
| <b>Use-Damage Image</b>   |  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |  |  |
| <b>Comment:</b>   |  |  |



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| Catalog Number: U9-16<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Axe<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Polished<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 54.60<br>Width: 14.79<br>Thickness: 5.96<br>Weight: 26.75   |  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |  |
|   |  |  |  |
| <b>Comment:</b>   |  |  |  |







|   |  |
|---|--|
| Catalog Number: U9-17<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Lanceolate<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Indeterminate<br>Proximal Shape: N/A<br>Proximal Cross-Section: Triangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 114.24<br>Width: 13.34<br>Thickness: 4.25<br>Weight: 17.77  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>   |  |

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| Catalog Number: U9-18<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Flat<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.11<br>Width: 15.70<br>Thickness: 6.48<br>Weight: 4.78  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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| Catalog Number: U9-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.78<br>Width: 16.72<br>Thickness: 8.50<br>Weight: 13.46   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |




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| Catalog Number: U9-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Plano-convex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.69<br>Width: 16.23<br>Thickness: 8.05<br>Weight: 9.89  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: U9-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Concave-convex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.19<br>Width: 11.09<br>Thickness: 2.59<br>Weight: 2.21  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |




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|--|---|--|
| Catalog Number: U9-22<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.66<br>Width: 14.84<br>Thickness: 2.48<br>Weight: 3.61   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |   |  |







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| Catalog Number: U9-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A  | Distal Morphology: Pointed<br>Functional Element: Triangular<br>Cross-Section: Sub-Triangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Angular<br>Proximal Shape: Pointed<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 111.76<br>Width: 23.76<br>Thickness: 3.83<br>Weight: 25.55  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  | manufacturin striations  |


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| Catalog Number: U9-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and<br>Degree of Patination: Medial<br>Medium<br><br>Morpho-Functional Type:<br>Wittry Type: Unknown   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Polished<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 107.23<br>Width: 11.86<br>Thickness: 3.11<br>Weight: 14.88  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   |  |




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| Catalog Number: U9-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Cut<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 112.51<br>Width: 19.12<br>Thickness: 4.41<br>Weight: 39.55  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | metal on metal cut on haft   |


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|--|---|
| Catalog Number: U9-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Plano-convex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Plano-convex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.79<br>Width: 14.25<br>Thickness: 2.93<br>Weight: 7.72   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b> Feather effigy, or some other non-utilitarian object   |   |




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| Catalog Number: U9-27<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Feather<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 60.65<br>Width: 9.98<br>Thickness: 2.89<br>Weight: 5.16  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment:</b>   | Feather effigy, or some other non-utilitarian object  |  |


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| Catalog Number: U12-01<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.81<br>Width: 3.95<br>Thickness: 3.30<br>Weight: 1.40  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: U12-02<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 80.50<br>Width: 4.15<br>Thickness: 3.93<br>Weight: 3.97  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   | 1/2 of the perforator is thinner than the other, interesting manufacturing difference   |




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| Catalog Number: U12-03<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 102.82<br>Width: 7.34<br>Thickness: 6.73<br>Weight: 18.85  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |


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| Catalog Number: U12-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 131.40<br>Width: 6.39<br>Thickness: 3.33<br>Weight: 13.56  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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|   |   |
| <b>Comment:</b>   |   |


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| Catalog Number: U12-05<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.99<br>Width: 3.68<br>Thickness: 3.24<br>Weight: 1.44  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |





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| Catalog Number: U12-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.53<br>Width: 3.22<br>Thickness: 2.99<br>Weight: 1.29  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |



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| Catalog Number: U12-07<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.05<br>Width: 3.68<br>Thickness: 3.24<br>Weight: 1.51  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |


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| Catalog Number: U12-08<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 15.71<br>Width: 3.41<br>Thickness: 3.10<br>Weight: 0.68  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |


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| Catalog Number: U12-09<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Witty Type: IV   | Distal Morphology: Pointed<br>Functional Element: Square<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 198.40<br>Width: 4.04<br>Thickness: 3.67<br>Weight: 8.25   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: U12-10<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting: Sub-Triangular<br>Element: Rectangular<br>Proximal Shape: Pointed<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 104.23<br>Width: 8.79<br>Thickness: 2.00<br>Weight: 9.14  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
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| <b>Comment:</b>  |  |





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| Catalog Number: U12-11<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.99<br>Width: 5.69<br>Thickness: 5.66<br>Weight: 9.34   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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| Catalog Number: U12-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 87.14<br>Width: 3.45<br>Thickness: 3.22<br>Weight: 3.41  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |




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| Catalog Number: U12-13<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element: Square<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 113.84<br>Width: 3.75<br>Thickness: 3.67<br>Weight: 7.51   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: U12-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element: Round<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Round<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Broken<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 121.32<br>Width: 4.99<br>Thickness: 4.99<br>Weight: 10.41  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>   |   |



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| Catalog Number: U12-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Rectangular<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 105.27<br>Width: 5.59<br>Thickness: 3.11<br>Weight: 7.69   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>   |   |


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| Catalog Number: U12-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.48<br>Width: 5.38<br>Thickness: 4.01<br>Weight: 1.70   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

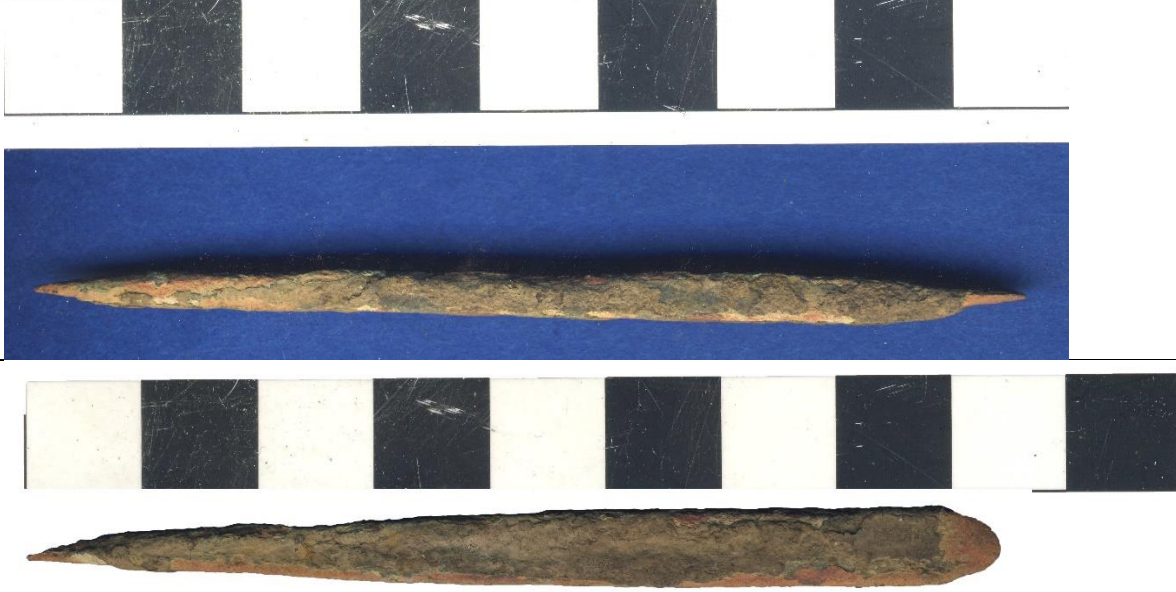
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| Catalog Number: U12-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 39.48<br>Width: 3.15<br>Thickness: 3.09<br>Weight: 1.54  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



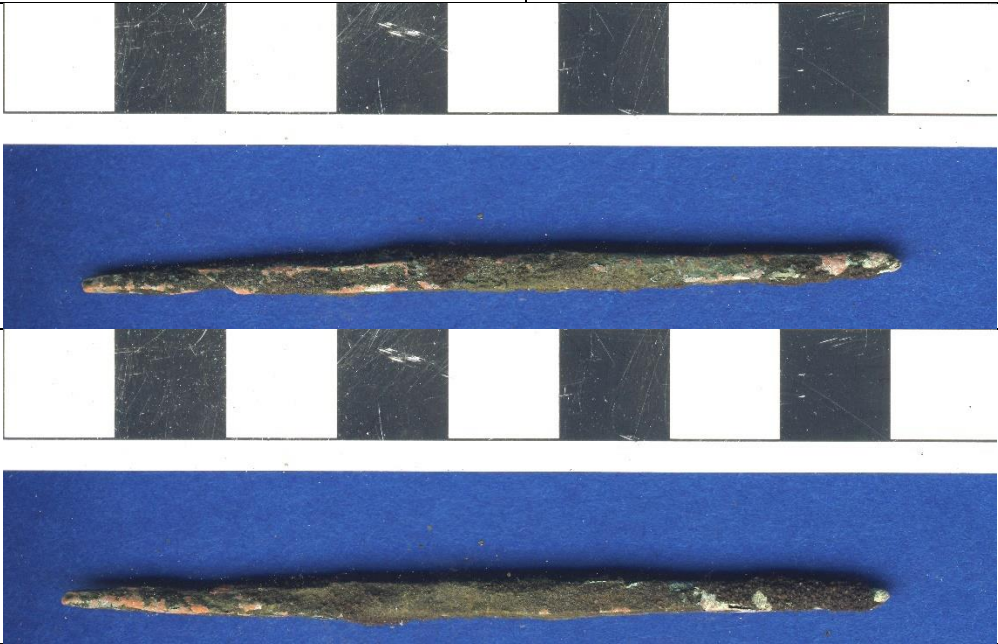
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| Catalog Number: U12-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-D  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 33.25<br>Width: 3.58<br>Thickness: 2.96<br>Weight: 0.97  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: U12-19<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.38<br>Width: 3.68<br>Thickness: 2.55<br>Weight: 0.84  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: U12-20<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Bulb<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 130.58<br>Width: 5.18<br>Thickness: 4.60<br>Weight: 12.45   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: U12-21<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Indeterminate<br>Presence of Hafting Element: Tab<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 84.53<br>Width: 6.91<br>Thickness: 4.46<br>Weight: 10.96   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |




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| Catalog Number: U12-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.02<br>Width: 3.24<br>Thickness: 3.24<br>Weight: 3.39  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

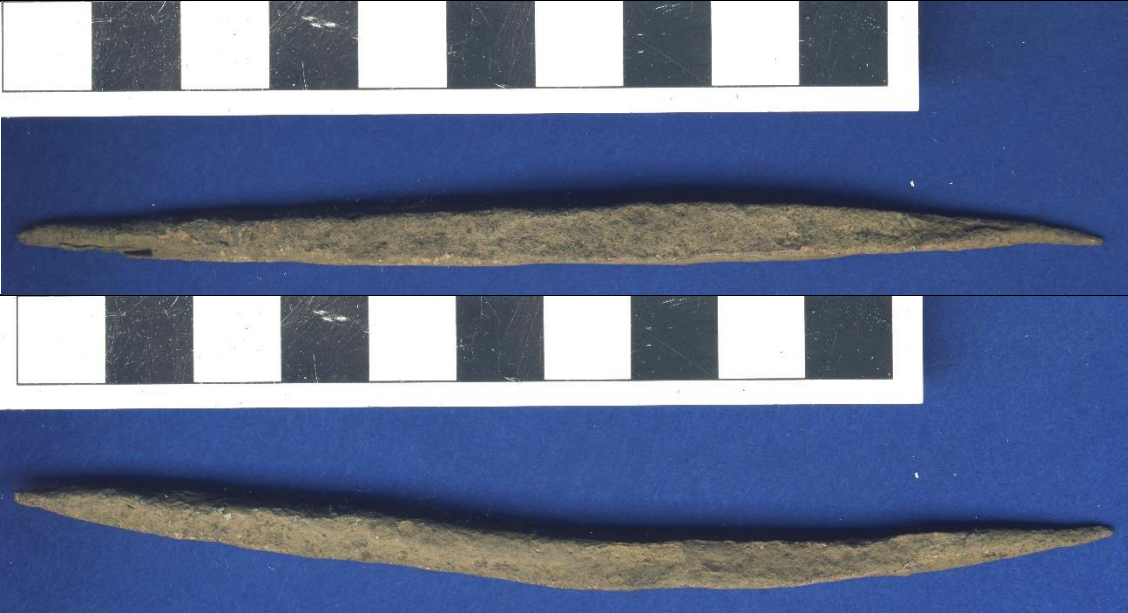
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| Catalog Number: U12-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.99<br>Width: 3.51<br>Thickness: 3.13<br>Weight: 2.24  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |


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|--|---|--|
| Catalog Number: U12-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Striated<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.65<br>Width: 5.89<br>Thickness: 5.69<br>Weight: 11.43   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


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| Catalog Number: U12-25<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.52<br>Width: 4.70<br>Thickness: 4.42<br>Weight: 3.56   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

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|---|--|
| Catalog Number: U12-26<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.41<br>Width: 4.60<br>Thickness: 4.08<br>Weight: 6.28   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

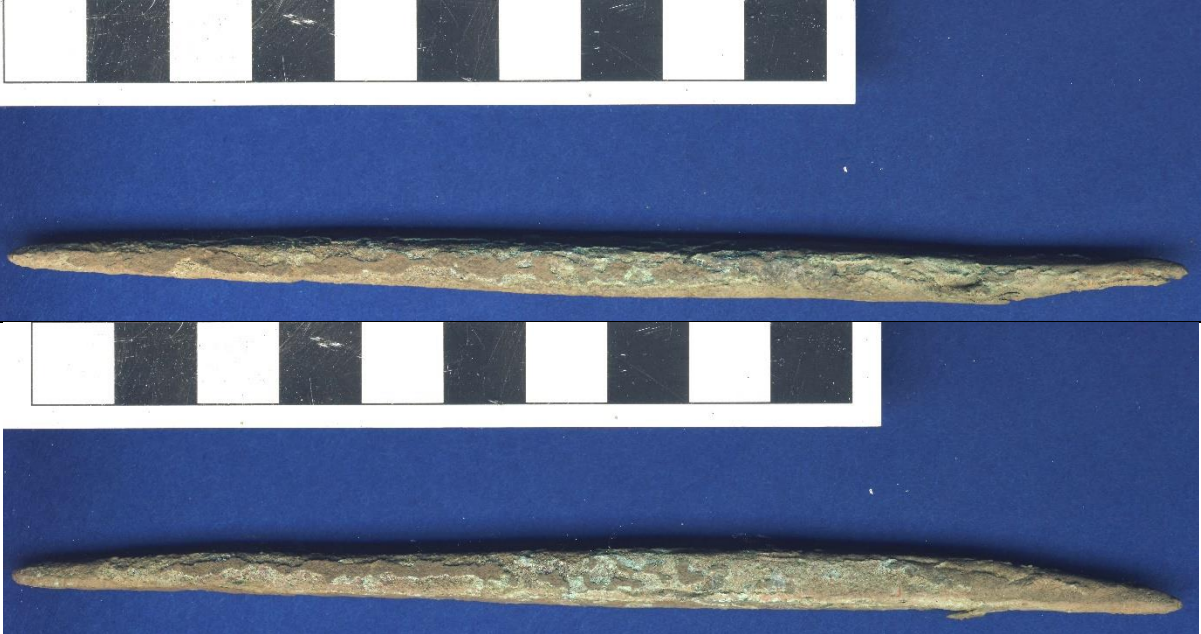




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|---|---|
| Catalog Number: U12-27<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 127.66<br>Width: 6.86<br>Thickness: 6.18<br>Weight: 23.83  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |




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| Catalog Number: U12-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element: Round<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of: Rod<br>Curvature: Square<br>Presence of Hafting: Rounded<br>Element:<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.06<br>Width: 4.26<br>Thickness: 3.66<br>Weight: 3.80   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of: 1<br>Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
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| <b>Comment:</b>  |  |

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|---|---|
| Catalog Number: U12-29<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 144.62<br>Width: 5.75<br>Thickness: 3.55<br>Weight: 12.58  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |







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|--|---|
| Catalog Number: U12-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 144.48<br>Width: 6.44<br>Thickness: 6.24<br>Weight: 29.38  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  | Welding split   |




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|--|---|
| Catalog Number: U12-31<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 141.82<br>Width: 6.14<br>Thickness: 5.84<br>Weight: 23.28  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |





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|---|---|--|
| Catalog Number: U12-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.93<br>Width: 4.41<br>Thickness: 3.66<br>Weight: 3.52  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |





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|--|---|
| Catalog Number: U12-33<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Triangular<br>Presence of Hafting Element: N/A<br>Proximal Shape: Absent<br>Proximal Cross-Section: Rod<br>Proximal Morphology: Rectangular Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 126.90<br>Width: 8.26<br>Thickness: 5.09<br>Weight: 26.83  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |   |

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| Catalog Number: U12-34<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.79<br>Width: 5.19<br>Thickness: 4.97<br>Weight: 9.67  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


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|---|---|--|
| Catalog Number: U12-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.31<br>Width: 4.25<br>Thickness: 3.05<br>Weight: 2.53  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

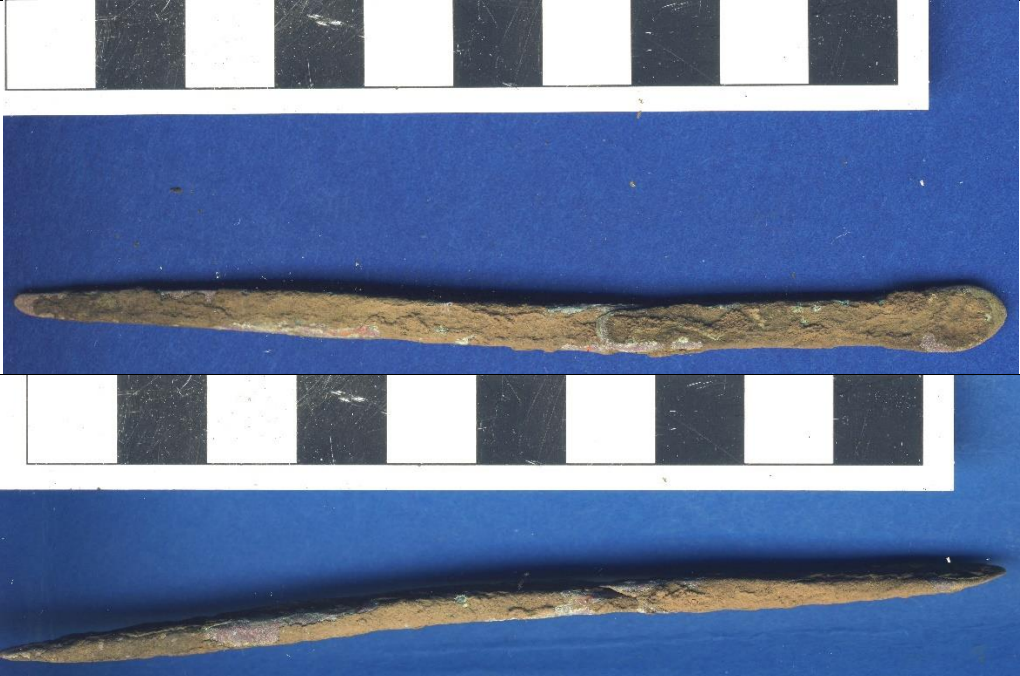
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|---|---|
| Catalog Number: U12-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Hook<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 79.62<br>Width: 3.49<br>Thickness: 3.22<br>Weight: 3.17  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |






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|--|---|--|
| Catalog Number: U12-37<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.86<br>Width: 3.32<br>Thickness: 2.34<br>Weight: 1.85  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |





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|---|--|
| Catalog Number: U12-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Pointed<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 96.17<br>Width: 7.58<br>Thickness: 4.68<br>Weight: 11.27  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|   |  |
| <b>Comment:</b>   |  |



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| Catalog Number: U12-39<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Split<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 114.14<br>Width: 7.46<br>Thickness: 4.23<br>Weight: 11.38   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |  |
| <b>Comment:</b>  | Welding split  |



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|---|---|
| Catalog Number: U12-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element: Square<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 176.00<br>Width: 5.93<br>Thickness: 5.51<br>Weight: 26.86  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |

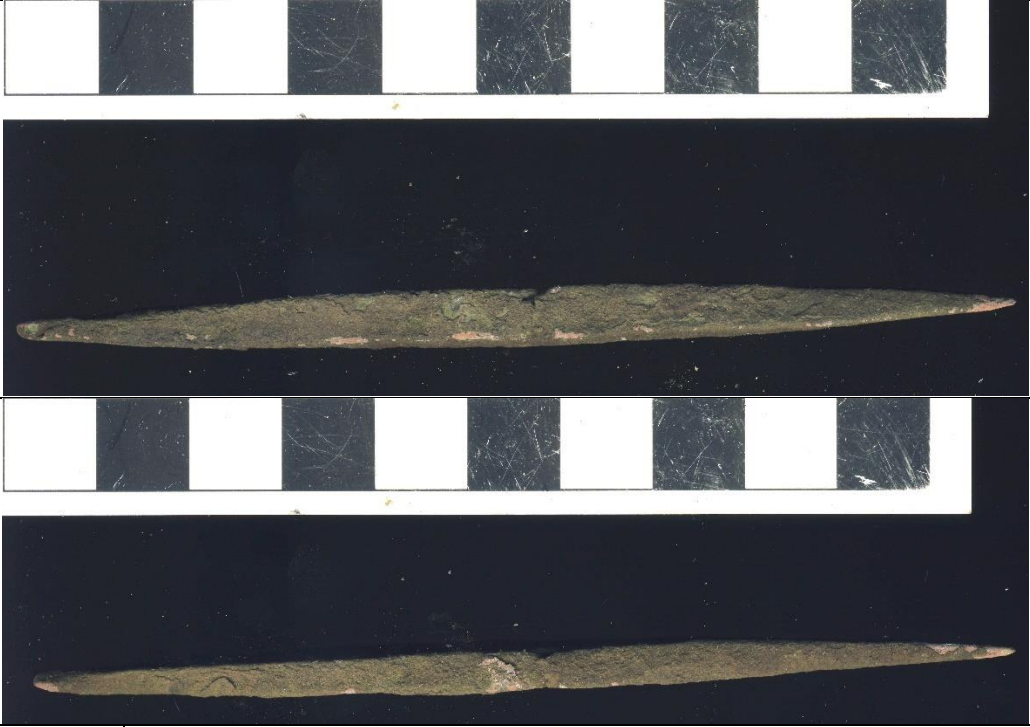
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|---|--|--|
| Catalog Number: U12-41<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.34<br>Width: 4.69<br>Thickness: 3.83<br>Weight: 1.24   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |




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|--|---|--|
| Catalog Number: U12-42<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.79<br>Width: 3.05<br>Thickness: 2.35<br>Weight: 0.93  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

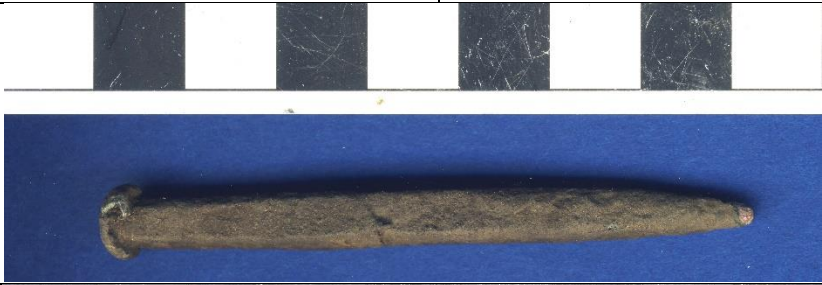

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|--|---|--|
| Catalog Number: U12-43<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.89<br>Width: 3.02<br>Thickness: 2.95<br>Weight: 1.21  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

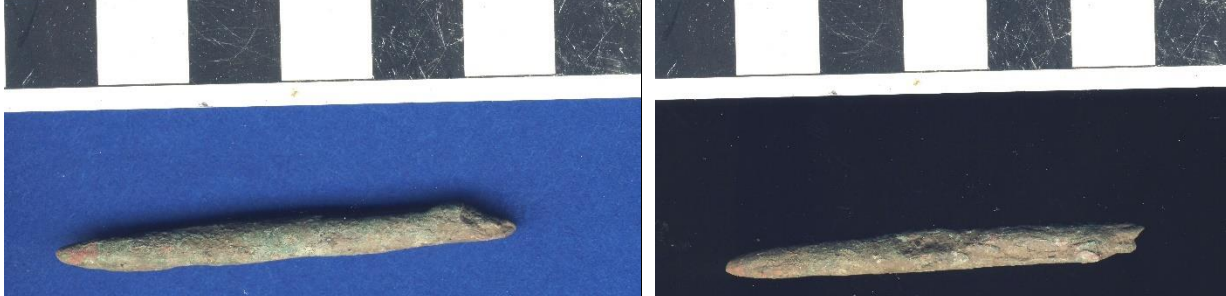
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|---|---|--|
| Catalog Number: U12-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.49<br>Width: 4.61<br>Thickness: 3.73<br>Weight: 3.34  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

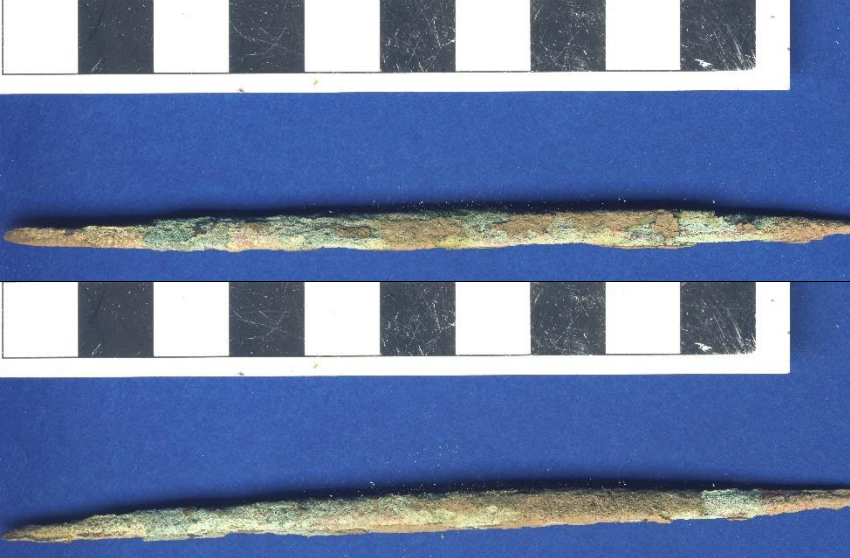
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|---|---|
| Catalog Number: U12-45<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Gouged<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 107.56<br>Width: 5.88<br>Thickness: 4.60<br>Weight: 13.61  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |





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| Catalog Number: U12-46<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Indeterminate<br>Functional Element: Square<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Round<br>Element: Indeterminate<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 108.12<br>Width: 5.52<br>Thickness: 4.92<br>Weight: 10.81   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
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| <b>Comment:</b>  |  |



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|--|---|
| Catalog Number: U12-47<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.30<br>Width: 5.43<br>Thickness: 5.26<br>Weight: 11.77   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
|    |   |
| <b>Comment:</b>  |   |

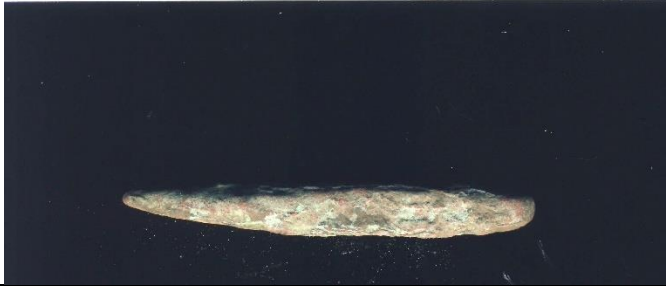

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|---|--|
| Catalog Number: U12-48<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.35<br>Width: 5.01<br>Thickness: 4.38<br>Weight: 5.16   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: U12-49<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 117.26<br>Width: 5.09<br>Thickness: 4.05<br>Weight: 10.09   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
|    |  |
| <b>Comment:</b>  |  |

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|---|---|--|
| Catalog Number: U12-50<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.03<br>Width: 4.38<br>Thickness: 3.25<br>Weight: 1.88  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


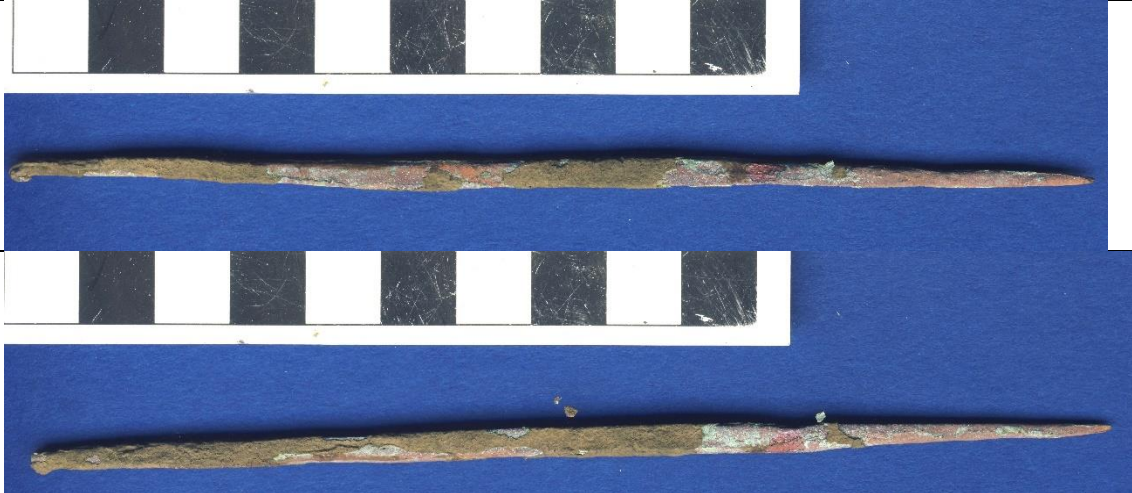




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| Catalog Number: U12-51<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.66<br>Width: 4.95<br>Thickness: 3.59<br>Weight: 2.52   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Welding split  |  |  |



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|--|---|--|
| Catalog Number: U12-52<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.98<br>Width: 4.07<br>Thickness: 3.51<br>Weight: 2.02  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |



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|---|---|--|
| Catalog Number: U12-53<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.71<br>Width: 4.03<br>Thickness: 2.96<br>Weight: 1.04  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |




|   |   |
|---|---|
| Catalog Number: U12-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-D   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 145.39<br>Width: 4.24<br>Thickness: 3.99<br>Weight: 9.28   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>   |   |


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|--|---|
| Catalog Number: U12-55<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element: Round<br>Cross-Section: Curvate Rod<br>Functional Element: < 90<br>Shape: Indeterminate<br>Degree of Curvature: Tab<br>Presence of Hafting: Rectangular<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 112.13<br>Width: 9.94<br>Thickness: 7.15<br>Weight: 28.48  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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|    |   |
| <b>Comment:</b>  |   |




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|---|--|
| Catalog Number: U12-56<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 149.00<br>Width: 9.21<br>Thickness: 6.15<br>Weight: 33.40   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   |  |



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|--|---|--|
| Catalog Number: U12-57<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 101.46<br>Width: 5.53<br>Thickness: 2.91<br>Weight: 8.84   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b>  |   |  |





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|--|---|
| Catalog Number: U12-58<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 84.94<br>Width: 4.54<br>Thickness: 3.67<br>Weight: 4.58  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |

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|--|---|
| Catalog Number: U12-59<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.58<br>Width: 4.01<br>Thickness: 3.61<br>Weight: 2.98  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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|--|---|--|
| Catalog Number: U16-01<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Irregular<br>Proximal Cross-Section: Irregular<br>Proximal Morphology: Irregular |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 40.60<br>Width: 14.99<br>Thickness: 3.93<br>Weight: 8.29   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> Expedient knife edge   |   |  |


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|--|---|--|
| Catalog Number: U16-02<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.30<br>Width: 28.80<br>Thickness: 4.93<br>Weight: 18.59  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Chisel marks, chevron shape  |   |  |





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|--|---|--|
| Catalog Number: U16-03<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Indeterminate<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Proximal<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Socket only<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.74<br>Width: 10.94<br>Thickness: 7.30<br>Weight: 4.99   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|---|---|
| Catalog Number: U16-04<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Spud<br>Wittry Type: V-B   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Gouged<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.10<br>Width: 18.32<br>Thickness: 9.80<br>Weight: 13.83  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |   |


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|---|---|--|
| Catalog Number: U16-05<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Indeterminate<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Proximal<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Socket only<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Broken<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 28.57<br>Width: 11.25<br>Thickness: 6.80<br>Weight: 3.81   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: U16-06<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 91.62<br>Width: 30.78<br>Thickness: 8.17<br>Weight: 91.93   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

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| Catalog Number: U16-07<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.30<br>Width: 12.58<br>Thickness: 2.08<br>Weight: 4.49  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> Chisel marks, chevron shape  |  |  |


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| Catalog Number: U16-08<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Square<br>Proximal Shape: Rounded<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Polished<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 99.00<br>Width: 17.75<br>Thickness: 4.41<br>Weight: 12.27  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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|   |   |
| <b>Comment:</b>   |   |






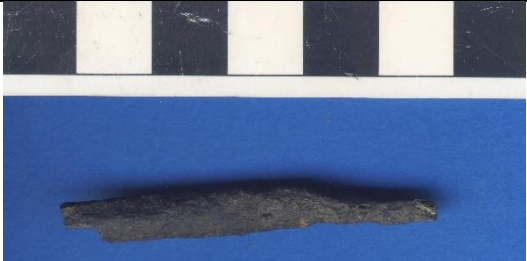
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|--|---|
| Catalog Number: U16-09<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: J<br>Functional Element Shape: > 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.17<br>Width: 9.92<br>Thickness: 3.62<br>Weight: 3.97  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>  |   |



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|--|---|--|
| Catalog Number: U16-10<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 69.57<br>Width: 6.06<br>Thickness: 4.57<br>Weight: 6.60  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


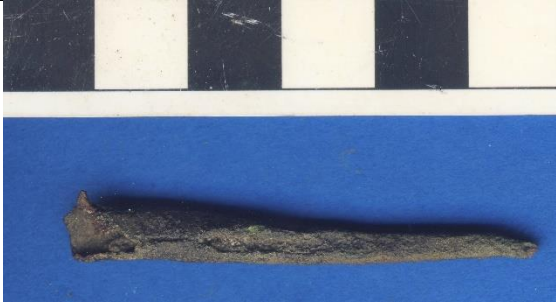





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|---|---|--|
| Catalog Number: U16-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Indeterminate |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.91<br>Width: 4.08<br>Thickness: 4.06<br>Weight: 3.96  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div data-bbox="212 1150 803 1451">  </div>  |   |  |
| <b>Comment:</b> Welding split   |   |  |


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| Catalog Number: U16-12<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.86<br>Width: 20.67<br>Thickness: 4.02<br>Weight: 9.39  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b> Chisel marks, chevron shape  |  |  |

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|--|---|--|
| Catalog Number: U16-13<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Smashed<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.98<br>Width: 6.15<br>Thickness: 5.24<br>Weight: 2.94  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |




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|---|--|--|
| Catalog Number: U16-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 29.86<br>Width: 5.17<br>Thickness: 4.80<br>Weight: 1.57   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

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|---|---|--|
| Catalog Number: U16-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.68<br>Width: 5.85<br>Thickness: 4.30<br>Weight: 3.67  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: U16-16<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 72.89<br>Width: 4.31<br>Thickness: 2.67<br>Weight: 3.67  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> silver plating on proximal end   |   |  |

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|---|--|
| Catalog Number: U16-17<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: S<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 8.55<br>Width: 3.70<br>Thickness: 3.65<br>Weight: 3.20  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   |  |






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| Catalog Number: U16-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Bead manufacturing debris<br>Wittry Type: debris  | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Coil<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 88.49<br>Width: 3.33<br>Thickness: 2.58<br>Weight: 5.13   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

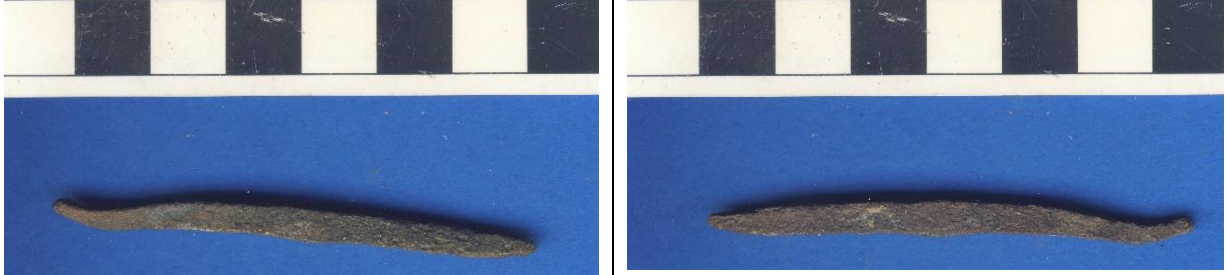





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| Catalog Number: U16-19<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.98<br>Width: 20.04<br>Thickness: 4.57<br>Weight: 14.93   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b> I'm skeptical of this as authentic OCC   |  |



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| Catalog Number: U16-20<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 97.18<br>Width: 8.91<br>Thickness: 5.70<br>Weight: 13.81  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
| <div></div>  |  |  |
| <b>Comment:</b> Welding split  |  |  |

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| Catalog Number: U16-21<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.54<br>Width: 10.82<br>Thickness: 6.09<br>Weight: 6.96  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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|---|---|--|
| Catalog Number: U16-22<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.51<br>Width: 3.78<br>Thickness: 3.51<br>Weight: 4.31  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: U16-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Curvate Rod<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 65.24<br>Width: 4.87<br>Thickness: 3.99<br>Weight: 5.92  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: U16-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Cut<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.65<br>Width: 34.64<br>Thickness: 3.88<br>Weight: 1.28  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  |  |



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| Catalog Number: U16-25<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.47<br>Width: 6.84<br>Thickness: 2.25<br>Weight: 0.44  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |








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| Catalog Number: U16-26<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Distal<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife/Projectile Point<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Cut<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.63<br>Width: 16.56<br>Thickness: 3.37<br>Weight: 4.30  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |  |







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| Catalog Number: U16-27<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.41<br>Width: 20.87<br>Thickness: 1.70<br>Weight: 0.66  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: U16-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.40<br>Width: 20.18<br>Thickness: 2.85<br>Weight: 1.18  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: U16-29<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Curvate Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.83<br>Width: 30.52<br>Thickness: 2.41<br>Weight: 1.45  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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|--|---|--|
| Catalog Number: U16-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Groove<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.88<br>Width: 18.46<br>Thickness: 2.13<br>Weight: 0.67   |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: U16-31<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.28<br>Width: 43.13<br>Thickness: 4.45<br>Weight: 5.97  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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|---|---|--|
| Catalog Number: U16-32<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.94<br>Width: 10.26<br>Thickness: 9.17<br>Weight: 5.76   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |







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| Catalog Number: U16-33<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.70<br>Width: 13.71<br>Thickness: 9.60<br>Weight: 23.72   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: U16-34<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 81.89<br>Width: 14.98<br>Thickness: 11.77<br>Weight: 26.23  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> manufacturing scratches  |  |  |





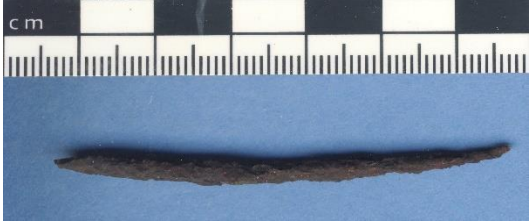

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|---|--|--|
| Catalog Number: U16-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 74.24<br>Width: 17.00<br>Thickness: 11.30<br>Weight: 31.74  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment</b><br>:   |  |  |

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|---|--|--|
| Catalog Number: U16-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Distal<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife/Projectile Point<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.20<br>Width: 19.72<br>Thickness: 4.70<br>Weight: 15.13   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|    |    |  |
| <b>Comment:</b> manufacturing scratches   |  |  |

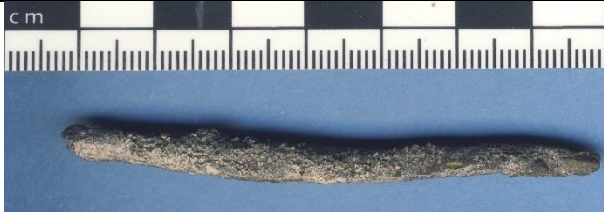
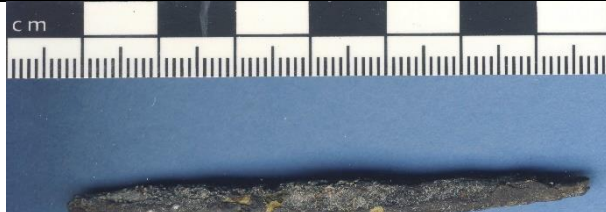
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|--|---|--|
| Catalog Number: U16-37<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.61<br>Width: 27.80<br>Thickness: 1.83<br>Weight: 10.13  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> Several evidences of manufacturing; hammer marks, cut, edge gouge  |   |  |


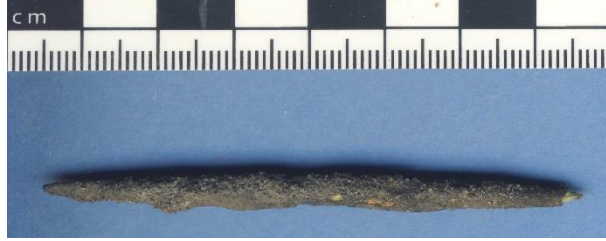
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|--|---|--|
| Catalog Number: U16-38<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.88<br>Width: 17.51<br>Thickness: 5.16<br>Weight: 11.23  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: K1-1<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Indeterminate |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 55.50<br>Width: 3.17<br>Thickness: 2.93<br>Weight: 1.30  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

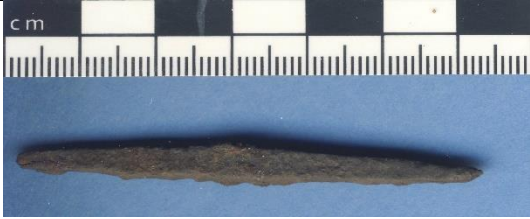
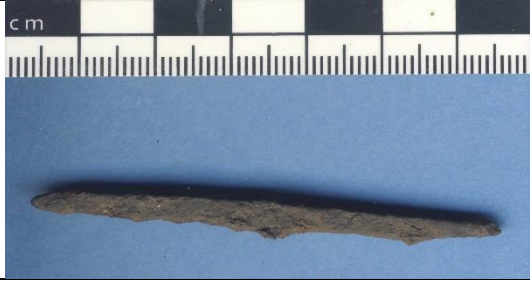
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|---|---|--|
| Catalog Number: K1-3<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 60.57<br>Width: 3.51<br>Thickness: 3.26<br>Weight: 2.29  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |






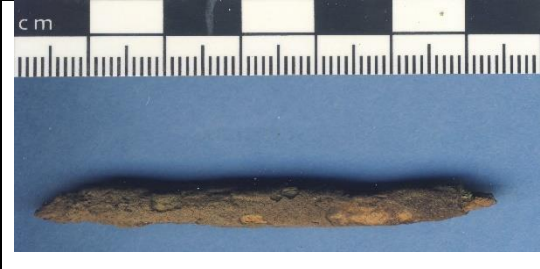
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|--|---|
| Catalog Number: K1-4<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.33<br>Width: 5.48<br>Thickness: 5.07<br>Weight: 7.49  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b>  |   |

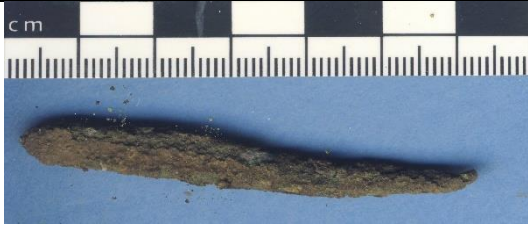
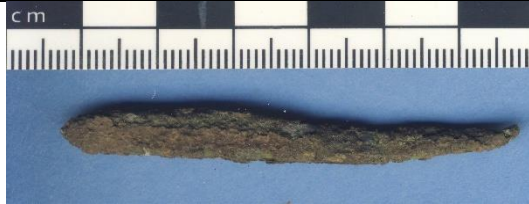
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| Catalog Number: K1-5<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.31<br>Width: 4.74<br>Thickness: 3.69<br>Weight: 4.06  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


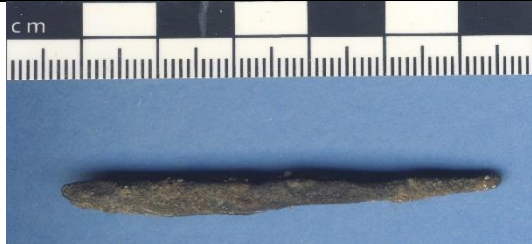


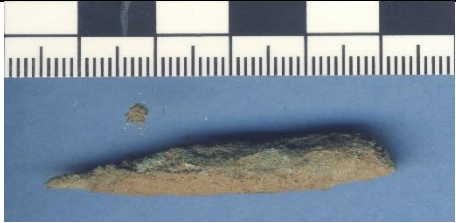
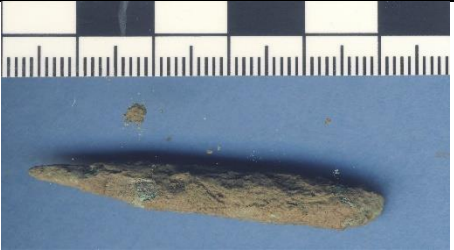
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| Catalog Number: K1-6<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.46<br>Width: 5.08<br>Thickness: 4.37<br>Weight: 3.90  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

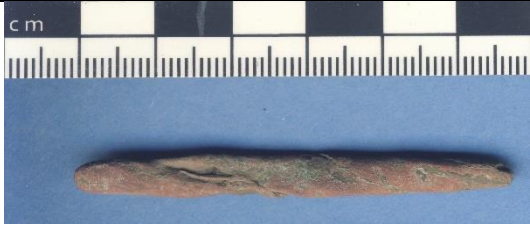

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| Catalog Number: K1-7<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 66.83<br>Width: 6.99<br>Thickness: 4.34<br>Weight: 4.72   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment</b><br>:  |  |  |

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| Catalog Number: K1-8<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crushed<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.22<br>Width: 6.90<br>Thickness: 5.34<br>Weight: 6.47  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |



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|---|---|--|
| Catalog Number: K1-9<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.54<br>Width: 6.10<br>Thickness: 4.18<br>Weight: 5.76  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: K1-10<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.33<br>Width: 3.74<br>Thickness: 4.38<br>Weight: 3.81   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b> Very small chisel blade  |  |  |



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| Catalog Number: K1-11<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.39<br>Width: 7.25<br>Thickness: 6.87<br>Weight: 6.92  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

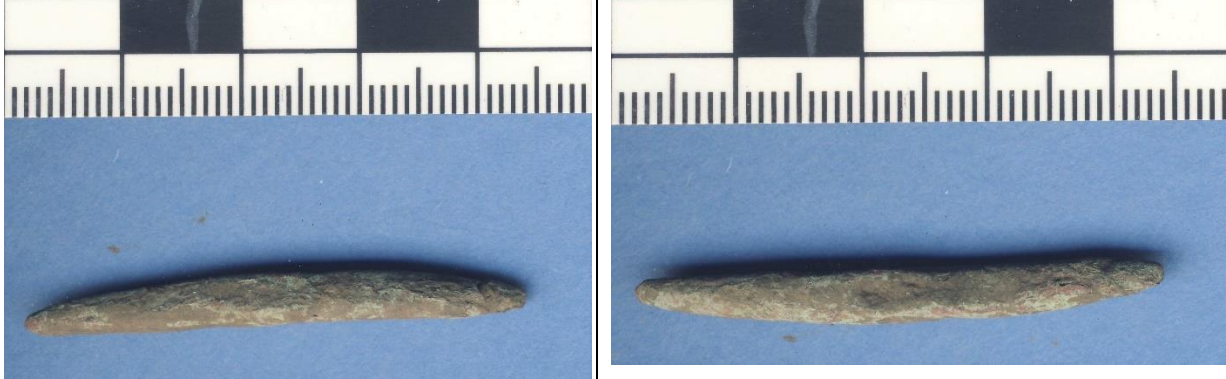
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|--|---|--|
| Catalog Number: K1-12<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Preform<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.67<br>Width: 5.92<br>Thickness: 3.30<br>Weight: 4.74  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |




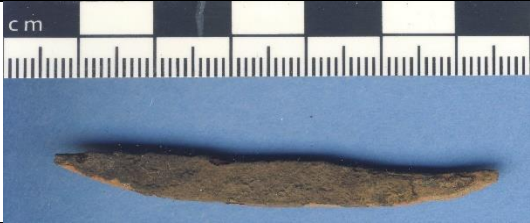
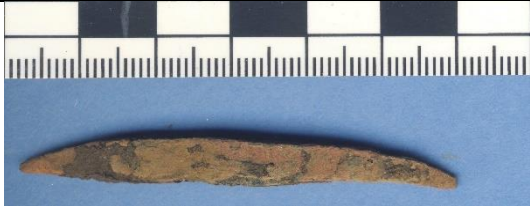
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|---|--|--|
| Catalog Number: K1-13<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 58.10<br>Width: 2.30<br>Thickness: 2.28<br>Weight: 0.90   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   |  |  |

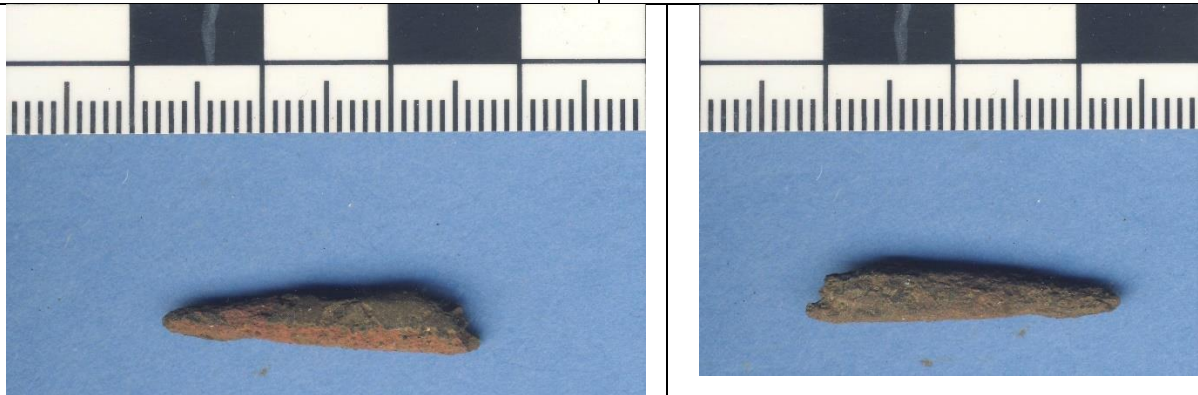


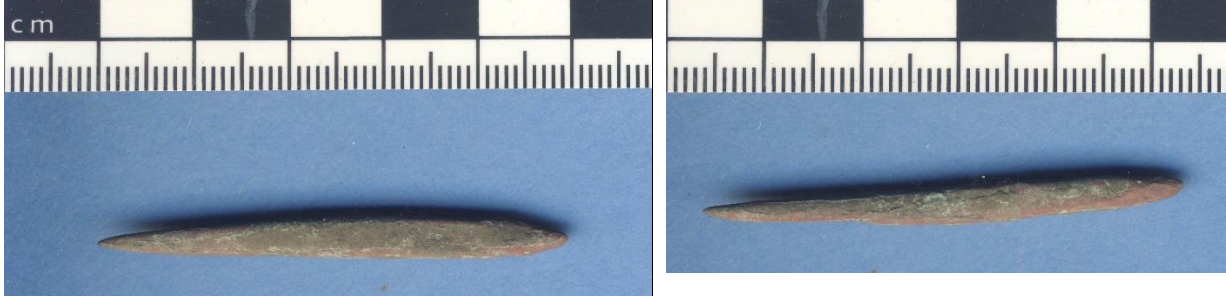
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|--|---|--|
| Catalog Number: K1-14<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.63<br>Width: 3.41<br>Thickness: 3.08<br>Weight: 2.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

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|--|---|--|
| Catalog Number: K1-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.80<br>Width: 4.40<br>Thickness: 3.78<br>Weight: 3.43  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>  |   |  |



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| Catalog Number: K1-16<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Flat<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.49<br>Width: 4.53<br>Thickness: 3.56<br>Weight: 3.35   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |  |  |
| <b>Comment:</b>  |  |  |


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|---|--|--|
| Catalog Number: K1-17<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Curvate Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.24<br>Width: 6.50<br>Thickness: 3.00<br>Weight: 4.40   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

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|---|--|--|
| Catalog Number: K1-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Broken<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.84<br>Width: 4.87<br>Thickness: 3.03<br>Weight: 1.22   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |  |  |
| <b>Comment:</b>   |  |  |


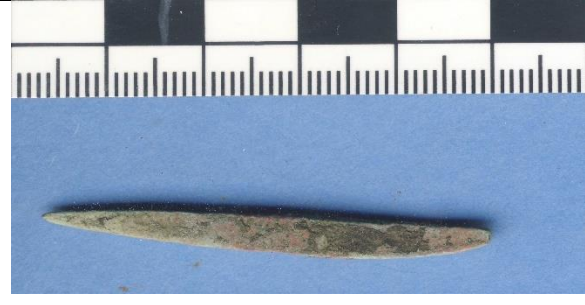
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|--|---|--|
| Catalog Number: K1-19<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.65<br>Width: 4.61<br>Thickness: 3.68<br>Weight: 3.84  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>  |   |  |




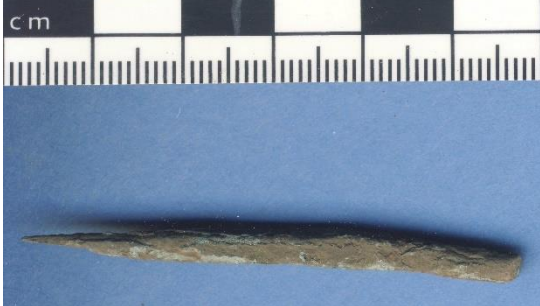
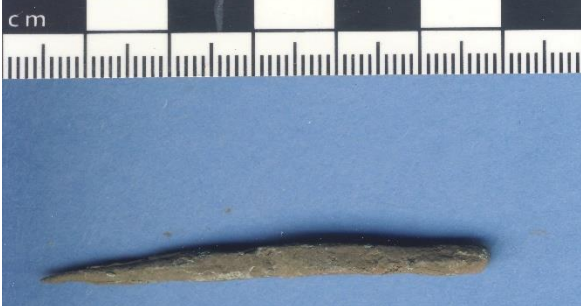
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|--|---|--|
| Catalog Number: K1-20<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.58<br>Width: 2.91<br>Thickness: 2.56<br>Weight: 1.45  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |



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| Catalog Number: K1-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.59<br>Width: 7.07<br>Thickness: 2.35<br>Weight: 2.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |





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|---|---|--|
| Catalog Number: K1-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.42<br>Width: 4.28<br>Thickness: 2.76<br>Weight: 2.38  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: K1-23<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.28<br>Width: 4.49<br>Thickness: 3.38<br>Weight: 3.12  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  | Welding split   |  |



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|---|---|--|
| Catalog Number: K1-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.50<br>Width: 4.13<br>Thickness: 4.10<br>Weight: 3.59  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |


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| Catalog Number: K1-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.87<br>Width: 3.15<br>Thickness: 2.94<br>Weight: 1.57   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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|---|---|--|
| Catalog Number: K1-26<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.91<br>Width: 3.70<br>Thickness: 3.20<br>Weight: 1.89  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: K1-27<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.46<br>Width: 3.10<br>Thickness: 2.60<br>Weight: 1.82  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |


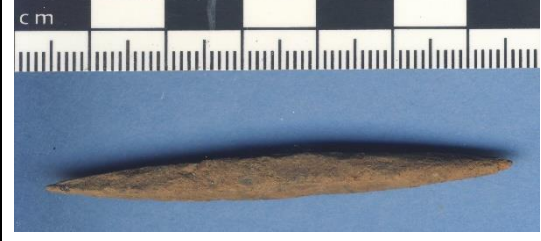




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|--|---|--|
| Catalog Number: K1-28<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Indeterminate<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.44<br>Width: 4.20<br>Thickness: 3.18<br>Weight: 2.33  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


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|---|---|--|
| Catalog Number: K1-29<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.41<br>Width: 3.87<br>Thickness: 3.03<br>Weight: 1.67  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |





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|---|--|--|
| Catalog Number: K1-30<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 60.12<br>Width: 7.47<br>Thickness: 1.85<br>Weight: 2.18   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |

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|--|---|--|
| Catalog Number: K1-31<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.32<br>Width: 5.63<br>Thickness: 4.22<br>Weight: 6.73  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

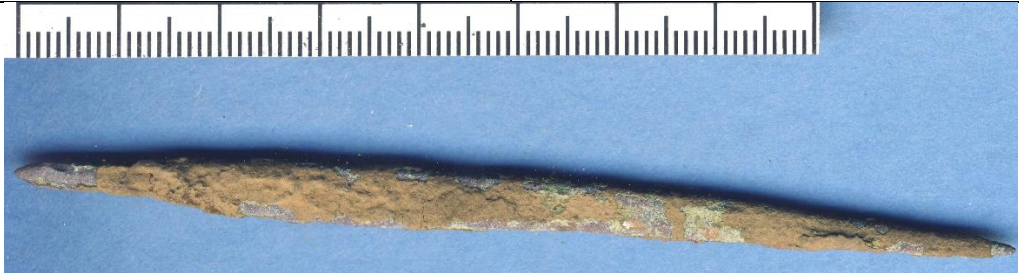

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|---|---|--|
| Catalog Number: K1-32<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Hook<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 74.30<br>Width: 4.19<br>Thickness: 3.37<br>Weight: 3.80  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

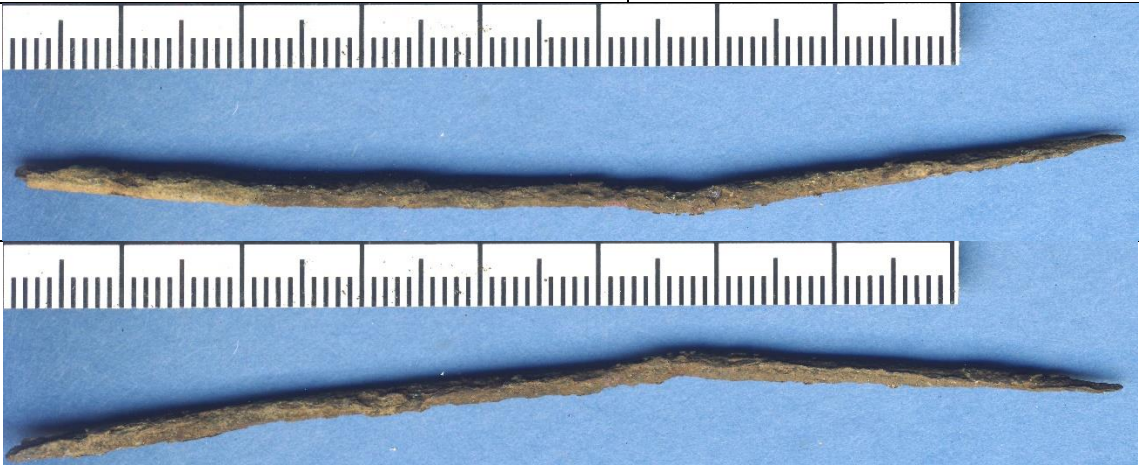
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|--|---|--|
| Catalog Number: K1-33<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.90<br>Width: 3.47<br>Thickness: 2.38<br>Weight: 2.55  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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|--|---|--|
| Catalog Number: K1-34<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 80.01<br>Width: 9.78<br>Thickness: 1.97<br>Weight: 5.30  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
|    |   |  |
| <b>Comment:</b>  | Type for diamond shaped awls  |  |



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| Catalog Number: K1-35<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 85.67<br>Width: 5.20<br>Thickness: 4.89<br>Weight: 11.18  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

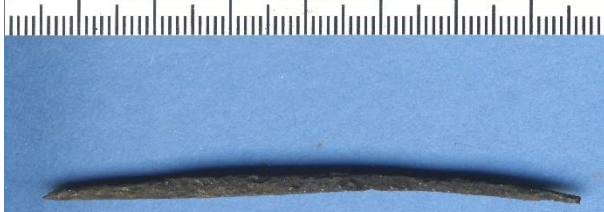
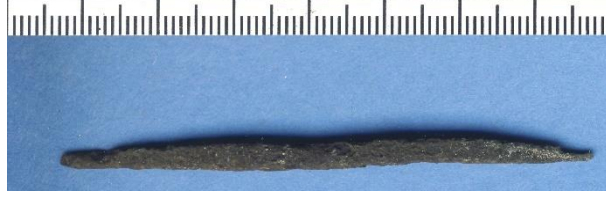


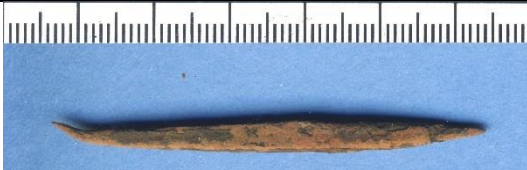
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| Catalog Number: K1-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 101.75<br>Width: 6.31<br>Thickness: 3.60<br>Weight: 7.86   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: K1-37<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.47<br>Width: 2.51<br>Thickness: 1.83<br>Weight: 1.96  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |





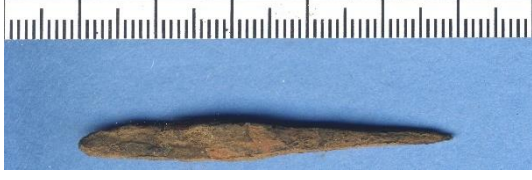

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|--|---|
| Catalog Number: K1-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 85.51<br>Width: 5.66<br>Thickness: 4.88<br>Weight: 8.21  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |



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| Catalog Number: K1-39<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.19<br>Width: 4.04<br>Thickness: 2.89<br>Weight: 3.52   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |

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| Catalog Number: K1-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.69<br>Width: 4.04<br>Thickness: 3.18<br>Weight: 3.09   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |


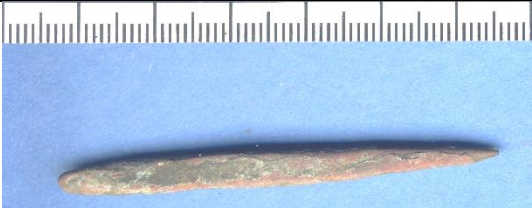
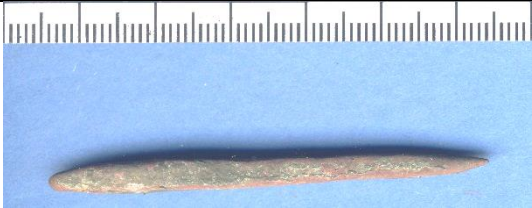
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| Catalog Number: K1-41<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 49.61<br>Width: 5.01<br>Thickness: 3.30<br>Weight: 2.87  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: K1-42<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.92<br>Width: 5.50<br>Thickness: 4.21<br>Weight: 4.74  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

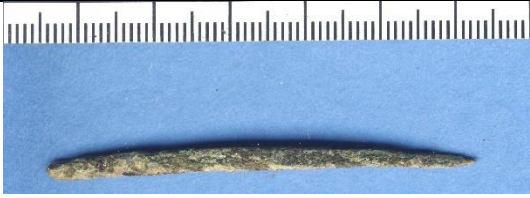

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| Catalog Number: K1-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.44<br>Width: 5.50<br>Thickness: 2.92<br>Weight: 2.57   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |


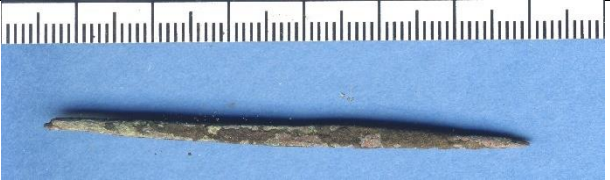
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| Catalog Number: K1-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.16<br>Width: 6.66<br>Thickness: 5.23<br>Weight: 9.24  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

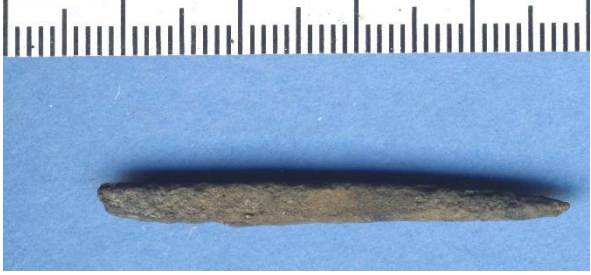





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| Catalog Number: K1-45<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.08<br>Width: 4.83<br>Thickness: 4.11<br>Weight: 6.08  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |







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|---|---|--|
| Catalog Number: K1-46<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.61<br>Width: 3.33<br>Thickness: 2.47<br>Weight: 2.01  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

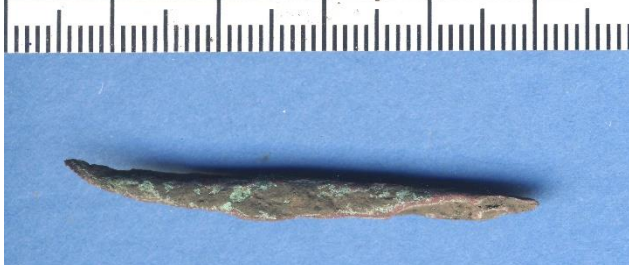
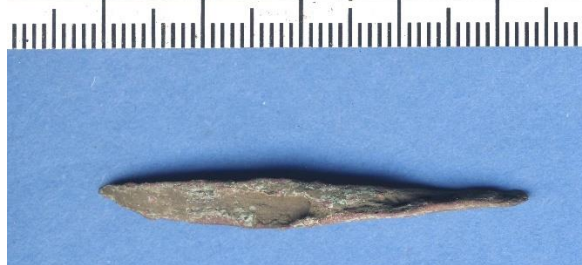
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| Catalog Number: K1-47<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Flattened<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 64.50<br>Width: 2.92<br>Thickness: 2.43<br>Weight: 2.19  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: K1-48<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.94<br>Width: 3.87<br>Thickness: 3.57<br>Weight: 2.07  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: K1-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.12<br>Width: 3.86<br>Thickness: 2.63<br>Weight: 1.37  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: K1-50<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.32<br>Width: 4.07<br>Thickness: 3.73<br>Weight: 2.29  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: K1-51<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.43<br>Width: 2.80<br>Thickness: 2.82<br>Weight: 1.19   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   |  |  |

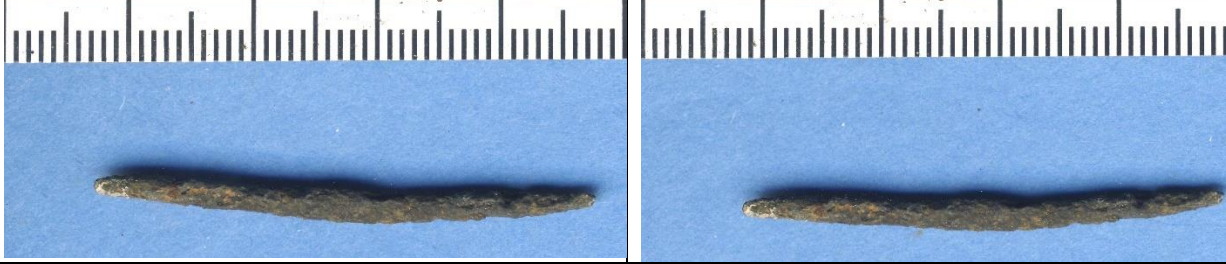
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| Catalog Number: K1-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Indeterminate<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fragment<br>Wittry Type:   | Distal Morphology: Indeterminate<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.92<br>Width: 5.75<br>Thickness: 3.80<br>Weight: 0.80   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |







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| Catalog Number: K1-53<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.59<br>Width: 2.95<br>Thickness: 2.72<br>Weight: 1.27  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

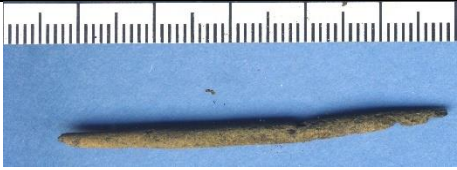
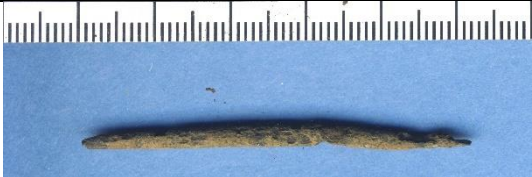



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|--|--|--|
| Catalog Number: K1-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.49<br>Width: 3.40<br>Thickness: 1.13<br>Weight: 1.04   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |

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|---|---|--|
| Catalog Number: K1-55<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 40.61<br>Width: 2.61<br>Thickness: 2.21<br>Weight: 0.95  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>   |   |  |



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|---|---|--|
| Catalog Number: K1-56<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.67<br>Width: 4.36<br>Thickness: 4.34<br>Weight: 3.38  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

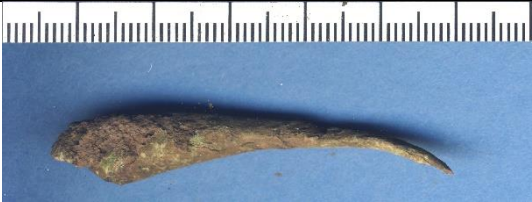

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|--|---|--|
| Catalog Number: K1-57<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Split<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.07<br>Width: 5.11<br>Thickness: 4.12<br>Weight: 3.38  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  | Welding split   |  |

|   |   |  |
|---|---|--|
| Catalog Number: K1-58<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 51.80<br>Width: 2.93<br>Thickness: 2.88<br>Weight: 1.46  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


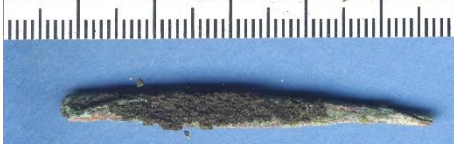
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|--|--|
| Catalog Number: K1-59<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.78<br>Width: 4.77<br>Thickness: 2.35<br>Weight: 2.29   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
|    |  |
| <b>Comment:</b>  |  |


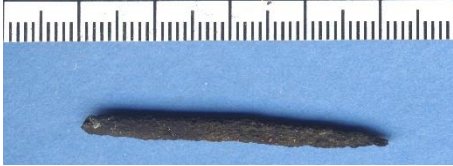




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|--|---|--|
| Catalog Number: K1-60<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 27.33<br>Width: 3.36<br>Thickness: 3.01<br>Weight: 1.10  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


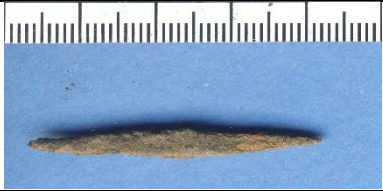
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| Catalog Number: K1-61<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 54.21<br>Width: 9.74<br>Thickness: 6.45<br>Weight: 6.68   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b> Repurposed conical point?  |  |  |


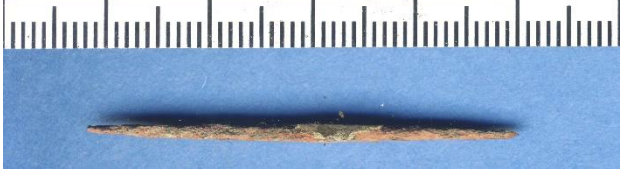


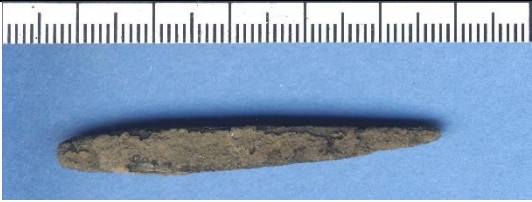

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|---|---|--|
| Catalog Number: K1-62<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.94<br>Width: 4.94<br>Thickness: 3.95<br>Weight: 3.24  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


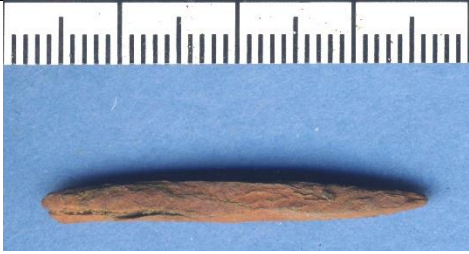
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| Catalog Number: K1-63<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.28<br>Width: 3.21<br>Thickness: 2.52<br>Weight: 1.74   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b>  |  |  |

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|---|---|--|
| Catalog Number: K1-64<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.55<br>Width: 5.84<br>Thickness: 4.22<br>Weight: 3.57  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


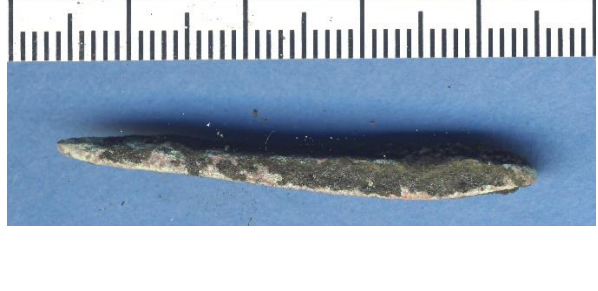
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|---|---|--|
| Catalog Number: K1-65<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.87<br>Width: 4.38<br>Thickness: 2.83<br>Weight: 1.21  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

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|--|---|--|
| Catalog Number: K1-66<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator IV<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 42.39<br>Width: 3.24<br>Thickness: 1.89<br>Weight: 0.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

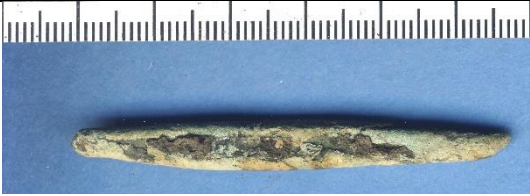

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|---|--|--|
| Catalog Number: K1-67<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.22<br>Width: 6.76<br>Thickness: 4.27<br>Weight: 6.19   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   |  |  |


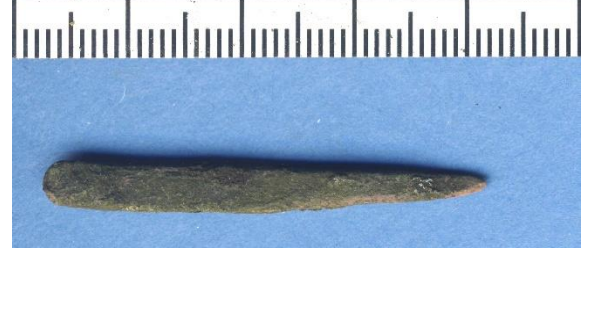
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| Catalog Number: K1-68<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.68<br>Width: 3.53<br>Thickness: 3.55<br>Weight: 2.24  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

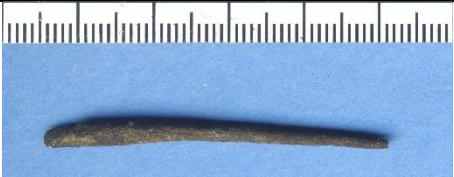
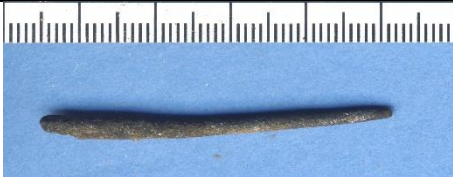


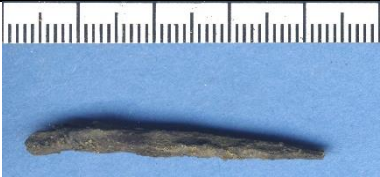
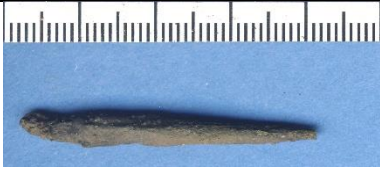
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| Catalog Number: K1-69<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.42<br>Width: 6.66<br>Thickness: 4.40<br>Weight: 3.95   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |


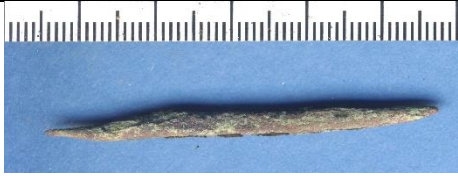



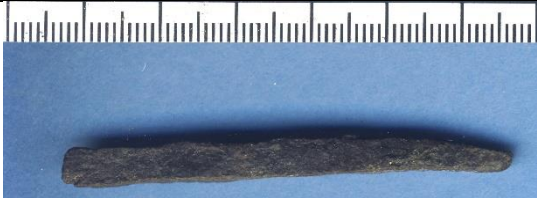
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|--|---|--|
| Catalog Number: K1-70<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.06<br>Width: 6.44<br>Thickness: 4.49<br>Weight: 7.18  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b> Welding split  |   |  |



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|---|---|--|
| Catalog Number: K1-71<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.14<br>Width: 4.37<br>Thickness: 2.09<br>Weight: 1.84  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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|---|---|--|
| Catalog Number: K1-72<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Bulb<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.57<br>Width: 3.09<br>Thickness: 2.89<br>Weight: 1.18  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


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|--|---|--|
| Catalog Number: K1-73<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Smashed<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.87<br>Width: 4.34<br>Thickness: 2.79<br>Weight: 1.37  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

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|---|---|--|
| Catalog Number: K1-74<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.71<br>Width: 4.15<br>Thickness: 3.25<br>Weight: 2.58  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

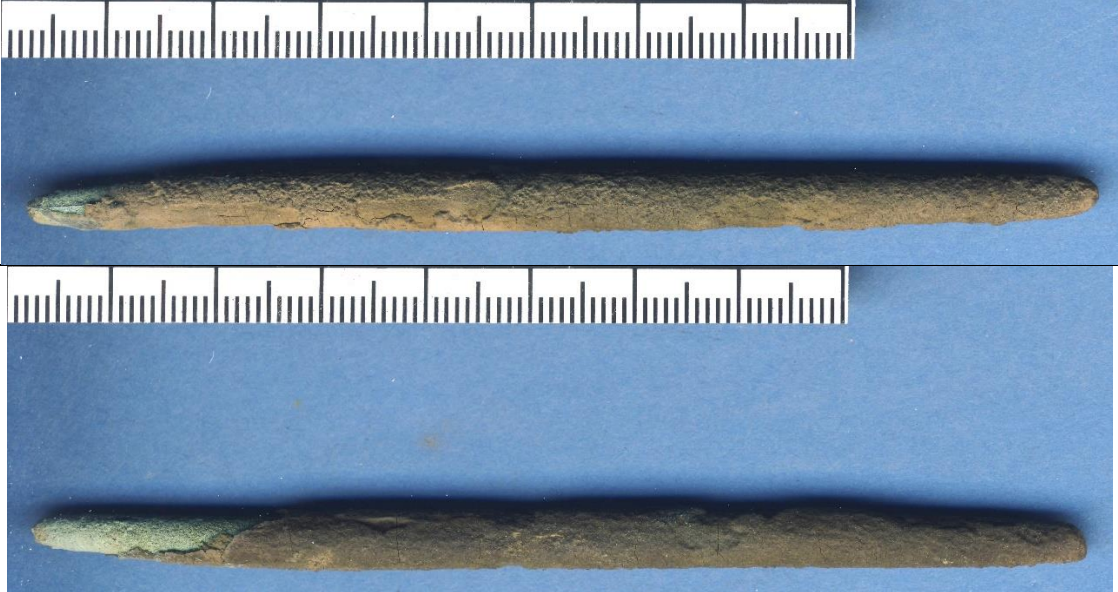
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|---|--|--|
| Catalog Number: K1-75<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.28<br>Width: 6.47<br>Thickness: 5.24<br>Weight: 8.96   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|    |    |  |
| <b>Comment:</b>   |  |  |

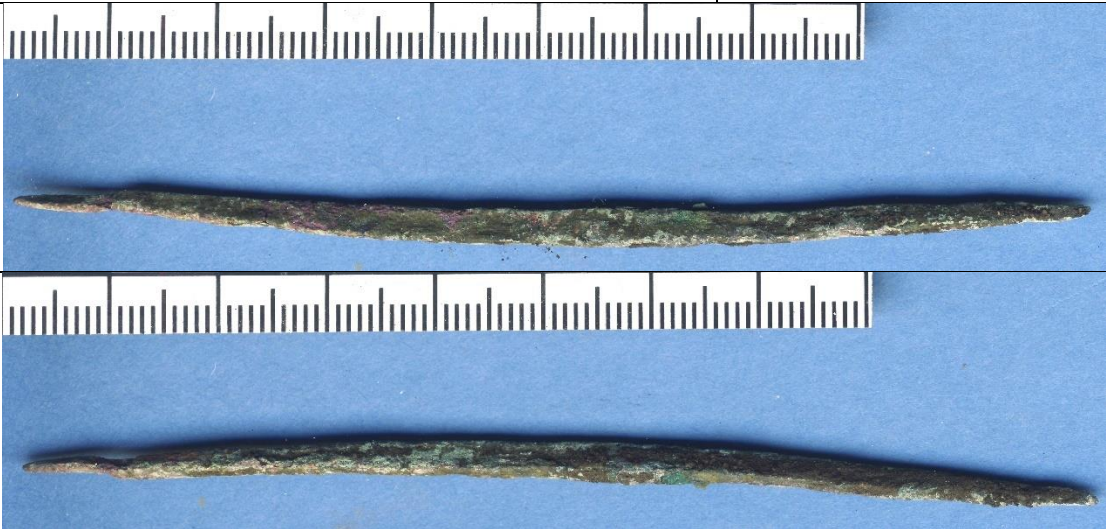
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| Catalog Number: K1-76<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.31<br>Width: 4.97<br>Thickness: 4.13<br>Weight: 1.42   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |

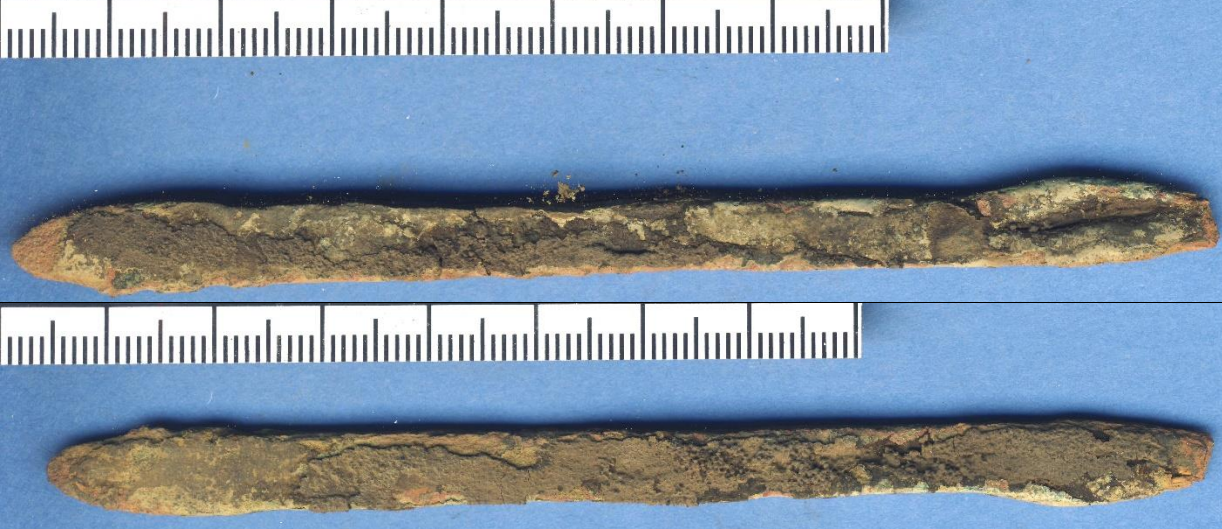


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|---|--|--|
| Catalog Number: K4-1<br>Provenience: Lake Koshkonong  |  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   |  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A |  | <b>Metric Analysis:</b><br>Length: 97.33<br>Width: 4.72<br>Thickness: 3.46<br>Weight: 4.97   |
| <b>Use-Damage Image</b>   |  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |  |  |
| <b>Comment:</b>   |  |  |

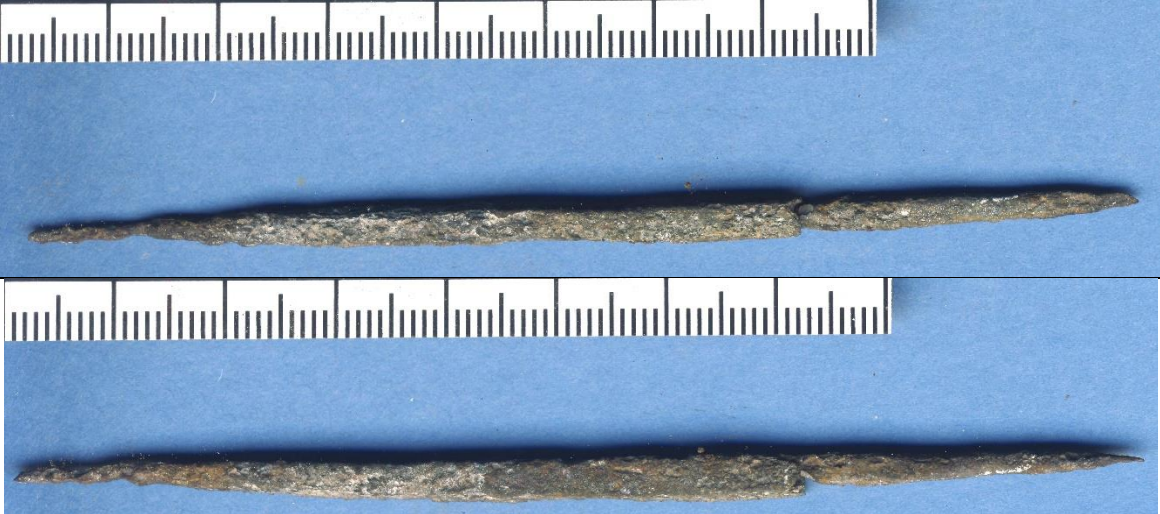


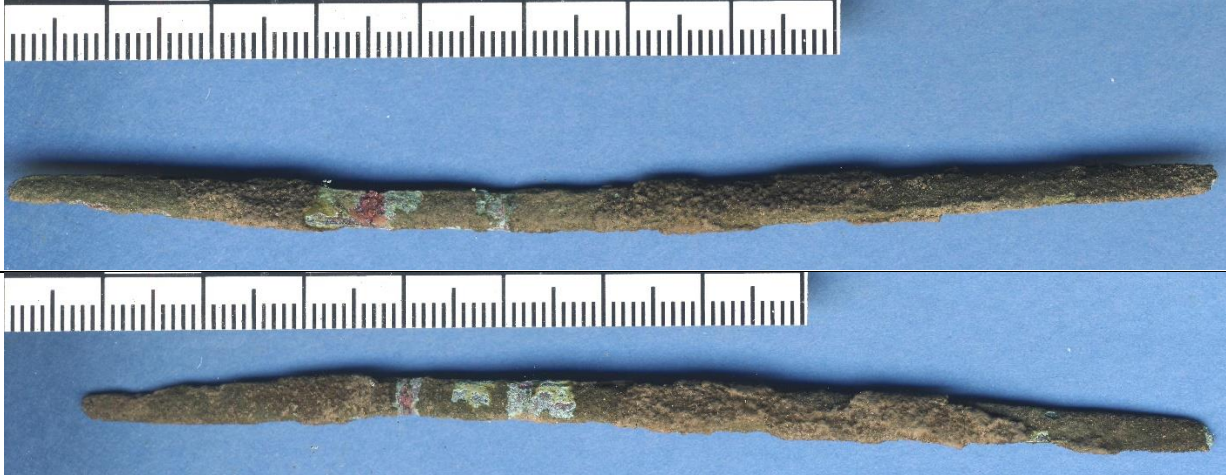
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|---|--|
| Catalog Number: K4-2<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Round<br>Proximal Shape: Rounded<br>Proximal Cross-Section: Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 102.37<br>Width: 5.79<br>Thickness: 5.66<br>Weight: 7.65  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
|   |  |
| <b>Comment:</b>   |  |


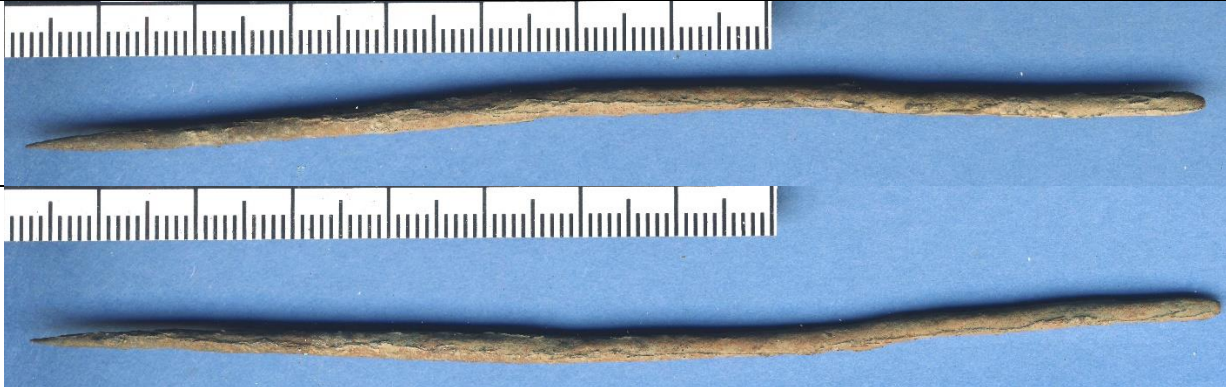
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|---|---|
| Catalog Number: K4-3<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Rectangular<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 100.79<br>Width: 3.65<br>Thickness: 2.28<br>Weight: 3.25   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
|   |   |
| <b>Comment:</b>   |   |

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| Catalog Number: K4-4<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Oval<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Tab<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 110.49<br>Width: 8.12<br>Thickness: 3.12<br>Weight: 12.09   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |  |
| <b>Comment:</b>  |  |







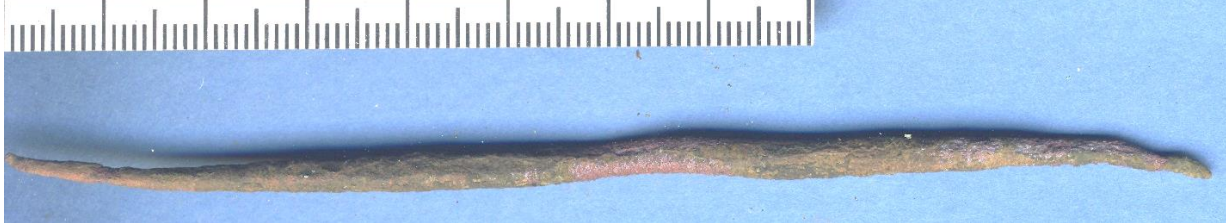

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| Catalog Number: K4-5<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 103.60<br>Width: 3.70<br>Thickness: 3.51<br>Weight: 5.82  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|    |  |
| <b>Comment:</b>  |  |

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| Catalog Number: K4-6<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 116.87<br>Width: 4.74<br>Thickness: 2.09<br>Weight: 4.61  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
|   |  |
| <b>Comment:</b>   |  |


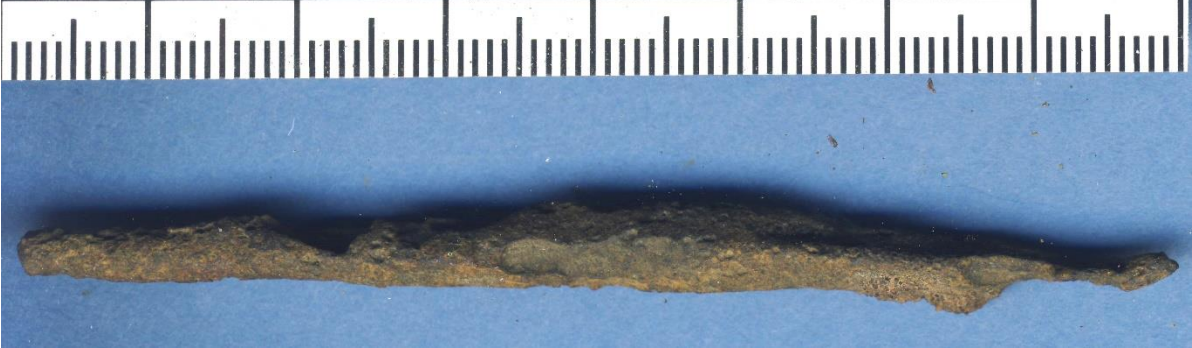
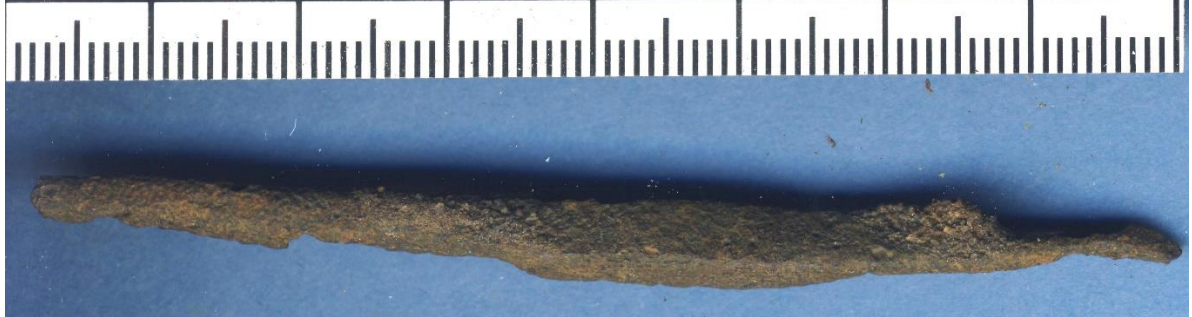
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|---|---|
| Catalog Number: K4-7<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Round<br>Proximal Shape: Rounded<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 124.67<br>Width: 3.69<br>Thickness: 2.98<br>Weight: 5.52   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |


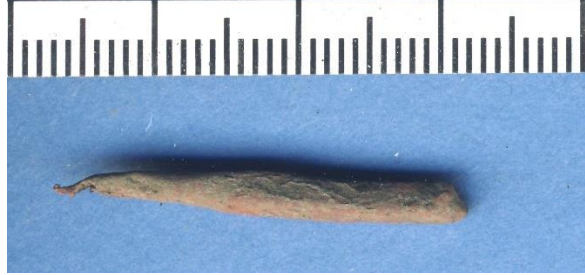




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| Catalog Number: K4-8<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Rectangular<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 107.61<br>Width: 3.36<br>Thickness: 1.60<br>Weight: 3.17   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>   |   |



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| Catalog Number: K4-9<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 120.72<br>Width: 3.88<br>Thickness: 3.27<br>Weight: 6.19   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |





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| Catalog Number: K4-10<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 79.32<br>Width: 5.92<br>Thickness: 5.15<br>Weight: 7.89  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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| Catalog Number: K4-11<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Square<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.07<br>Width: 3.09<br>Thickness: 2.93<br>Weight: 1.17   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: K4-12<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.12<br>Width: 3.26<br>Thickness: 2.81<br>Weight: 0.59   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |


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| Catalog Number: K4-13<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 24.73<br>Width: 2.21<br>Thickness: 2.10<br>Weight: 0.36  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: K4-14<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.35<br>Width: 2.23<br>Thickness: 2.12<br>Weight: 0.26   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

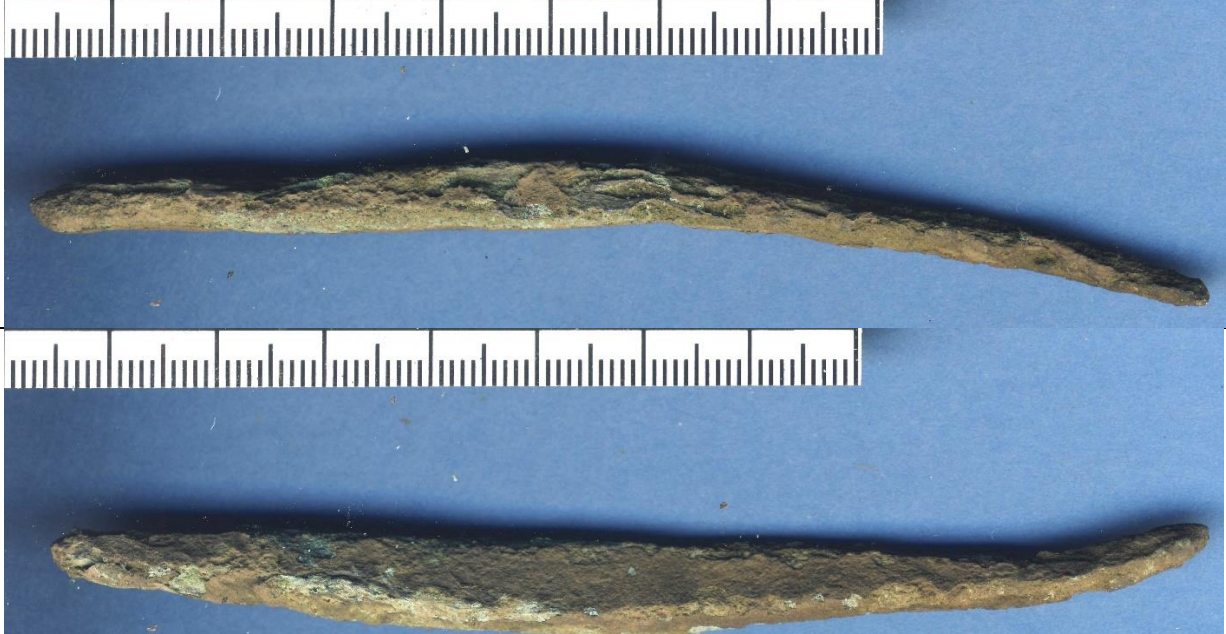


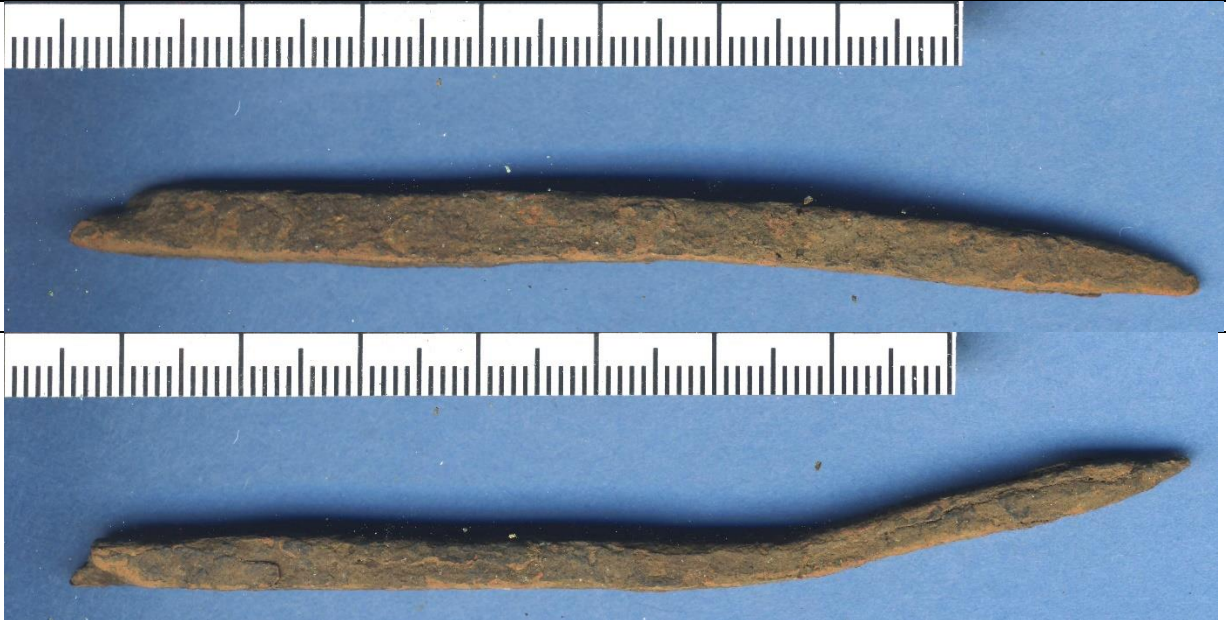
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| Catalog Number: K4-15<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.44<br>Width: 2.36<br>Thickness: 1.92<br>Weight: 0.32  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


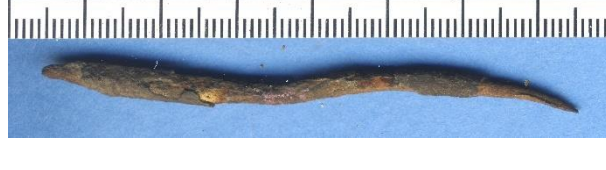
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| Catalog Number: K4-16<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.30<br>Width: 2.69<br>Thickness: 1.99<br>Weight: 0.27   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |

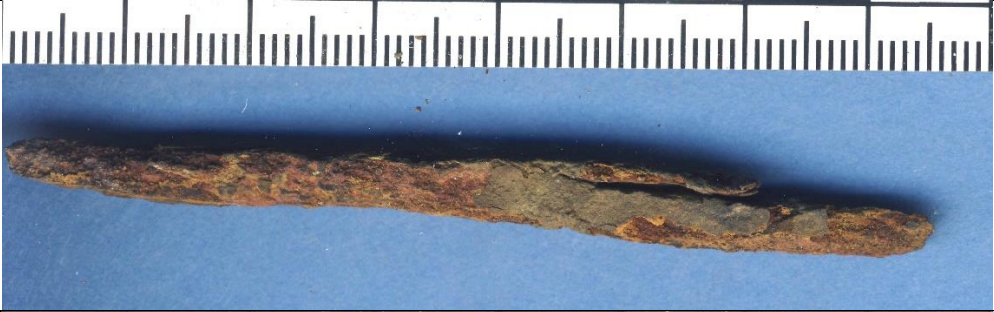

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| Catalog Number: K4-17<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.67<br>Width: 2.60<br>Thickness: 2.50<br>Weight: 0.48  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |




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|---|---|
| Catalog Number: K4-18<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rod<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 104.84<br>Width: 8.49<br>Thickness: 6.34<br>Weight: 19.97  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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| Catalog Number: K4-19<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Broken<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 98.21<br>Width: 6.01<br>Thickness: 4.44<br>Weight: 13.90  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

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| Catalog Number: K4-20<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Curvate Rod<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Round<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 71.82<br>Width: 3.98<br>Thickness: 3.94<br>Weight: 3.26   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

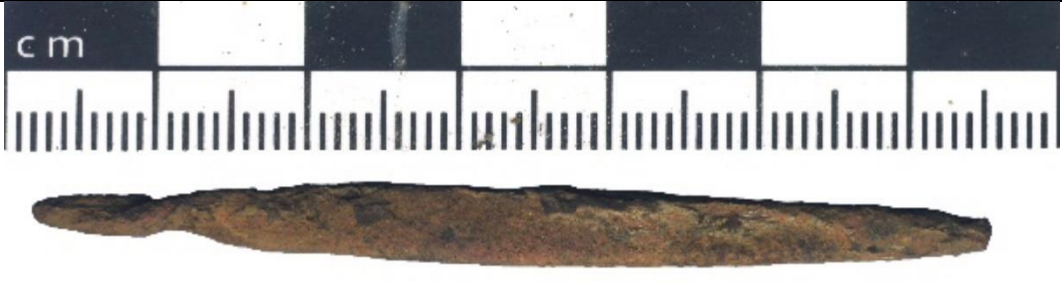
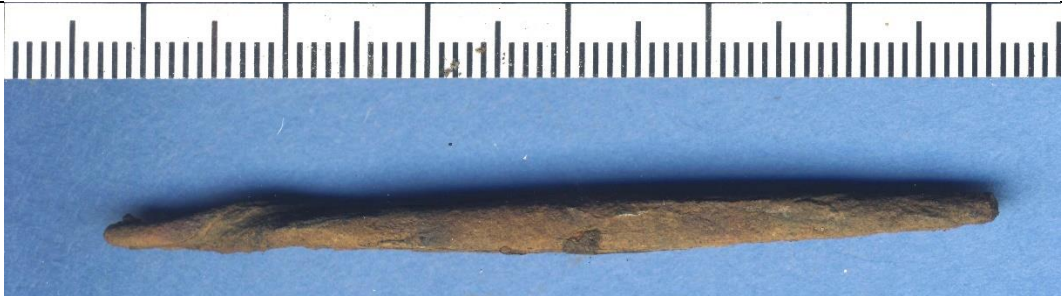
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| Catalog Number: K4-21<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.29<br>Width: 6.42<br>Thickness: 5.89<br>Weight: 9.66   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



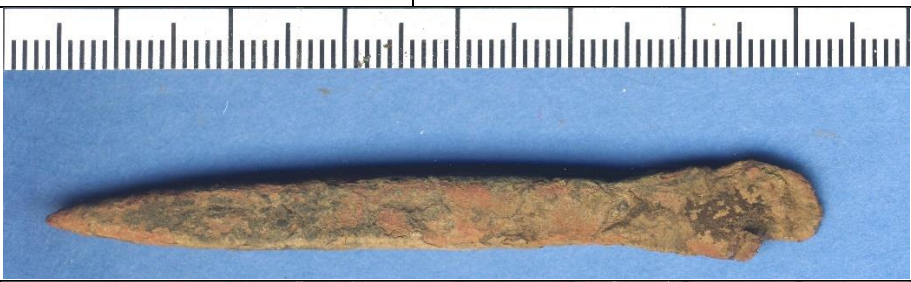

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| Catalog Number: K4-22<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element: Round<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Round<br>Element: Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 107.79<br>Width: 3.78<br>Thickness: 3.35<br>Weight: 2.49   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>   |   |



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|---|---|
| Catalog Number: K4-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.91<br>Width: 3.37<br>Thickness: 3.19<br>Weight: 2.54  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |

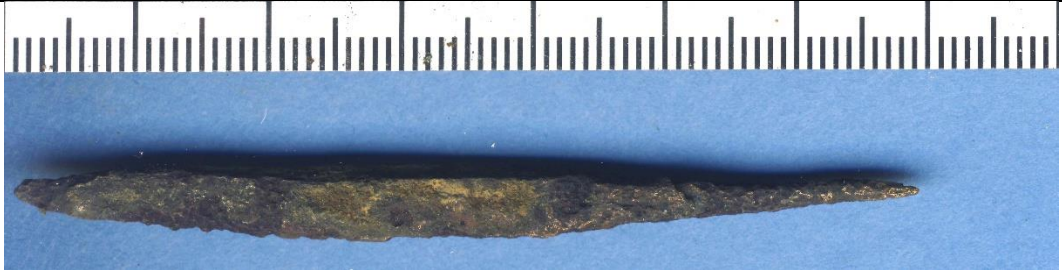

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| Catalog Number: K4-24<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 89.47<br>Width: 12.30<br>Thickness: 4.67<br>Weight: 19.53  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |   |

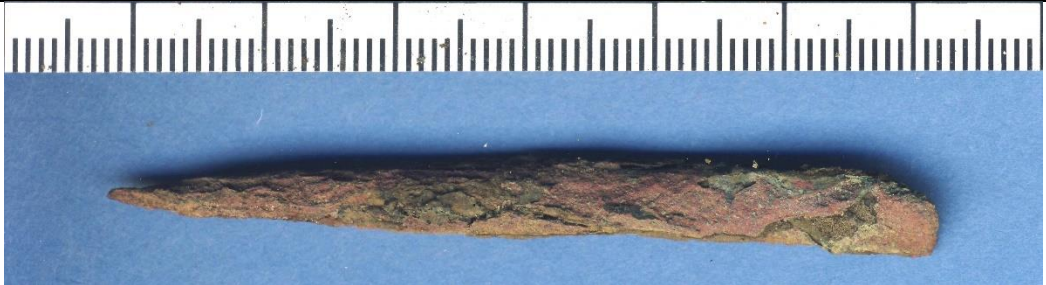

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| Catalog Number: K4-25<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Drill<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Spiral<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.60<br>Width: 5.19<br>Thickness: 3.73<br>Weight: 5.43   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |





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| Catalog Number: K4-26<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Polished<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.58<br>Width: 6.74<br>Thickness: 4.69<br>Weight: 9.83   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |  |




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| Catalog Number: K4-27<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Loop<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.86<br>Width: 6.98<br>Thickness: 3.36<br>Weight: 4.67  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>   |   |




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| Catalog Number: K4-28<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 68.55<br>Width: 5.68<br>Thickness: 4.06<br>Weight: 5.89  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: K4-29<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.16<br>Width: 6.54<br>Thickness: 4.57<br>Weight: 6.70  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: K4-30<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Curvate Rod<br>Functional Element Shape: < 90<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Curvate Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.13<br>Width: 5.94<br>Thickness: 5.03<br>Weight: 10.06  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |


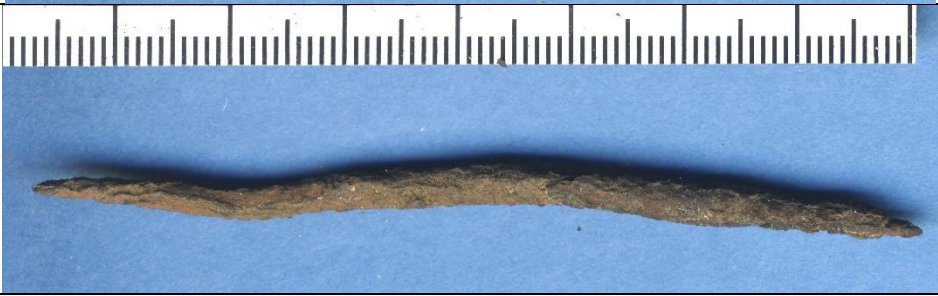
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|---|--|
| Catalog Number: K4-31<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 90.29<br>Width: 3.66<br>Thickness: 3.29<br>Weight: 4.37   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> angular bend in the middle- probably manufactured that way  |  |

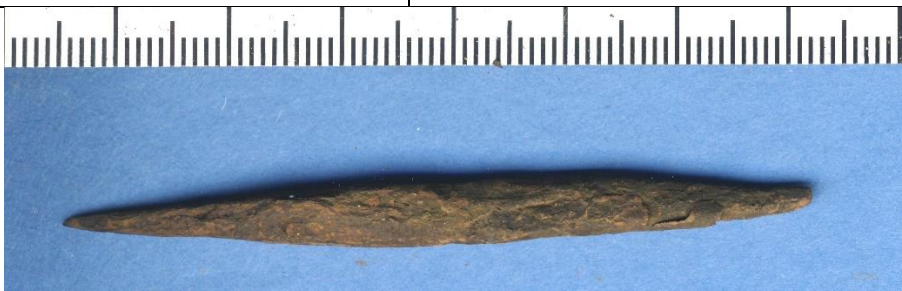
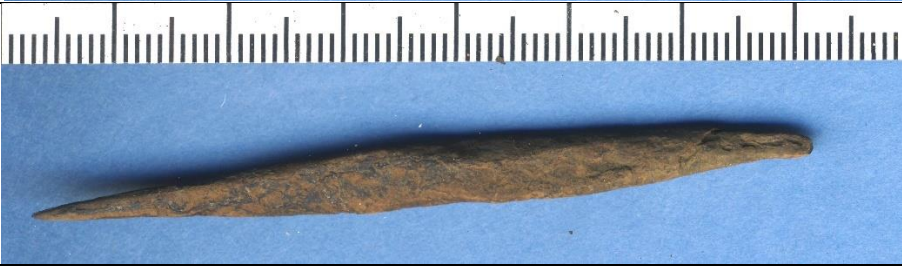
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|---|--|
| Catalog Number: K4-32<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.84<br>Width: 3.00<br>Thickness: 2.76<br>Weight: 2.29   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: K4-33<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Curvate Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 61.75<br>Width: 6.23<br>Thickness: 3.82<br>Weight: 5.61  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |





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| Catalog Number: K4-34<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.84<br>Width: 6.13<br>Thickness: 4.76<br>Weight: 5.55   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |


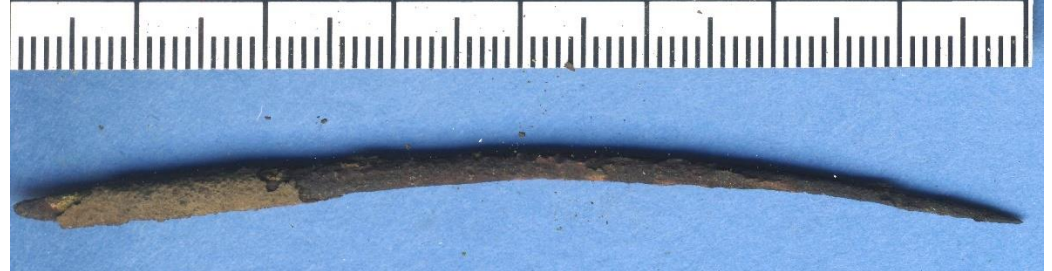
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| Catalog Number: K4-35<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.22<br>Width: 4.02<br>Thickness: 3.45<br>Weight: 3.97  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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| Catalog Number: K4-36<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.92<br>Width: 5.90<br>Thickness: 3.62<br>Weight: 5.47   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |


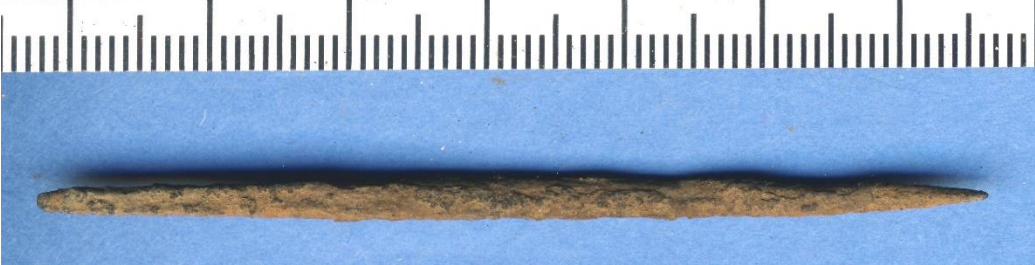
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| Catalog Number: K4-38<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.49<br>Width: 7.12<br>Thickness: 2.87<br>Weight: 4.58  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |




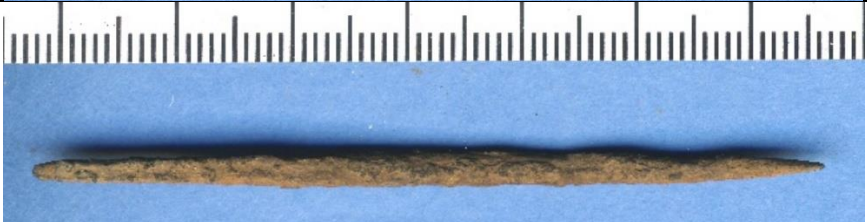
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| Catalog Number: K4-39<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.34<br>Width: 3.73<br>Thickness: 3.01<br>Weight: 3.99  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

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| Catalog Number: K4-40<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 79.91<br>Width: 3.49<br>Thickness: 3.40<br>Weight: 2.17   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

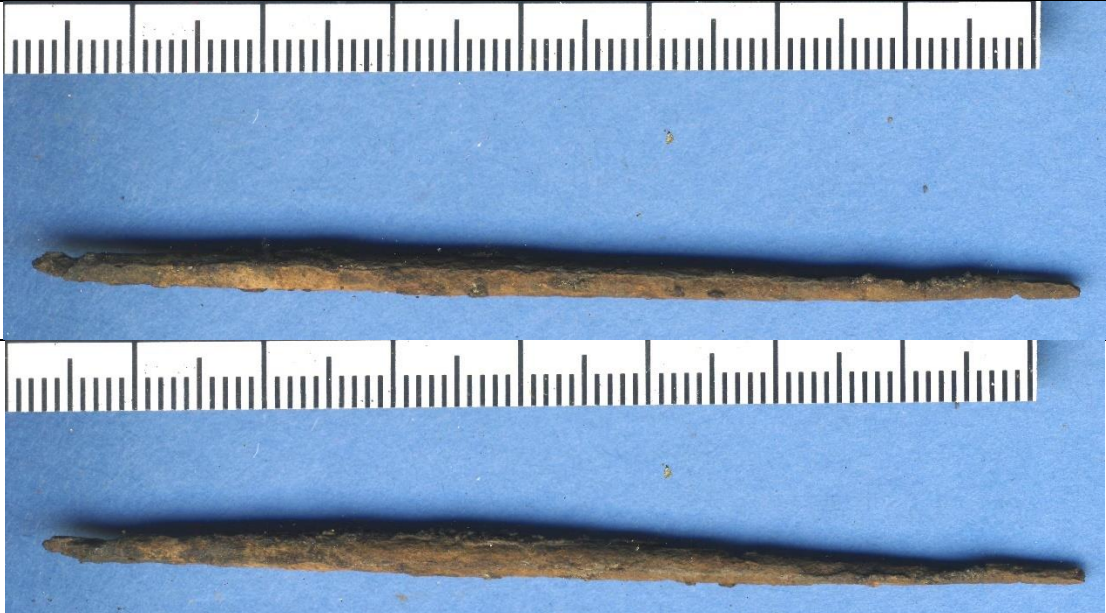
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|---|---|
| Catalog Number: K4-41<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 122.87<br>Width: 3.84<br>Thickness: 3.55<br>Weight: 4.82   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

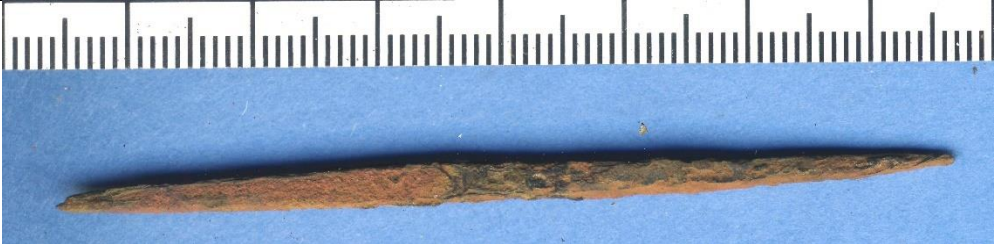

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| Catalog Number: K4-42<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: S<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 88.32<br>Width: 7.74<br>Thickness: 4.39<br>Weight: 13.66  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  |  |



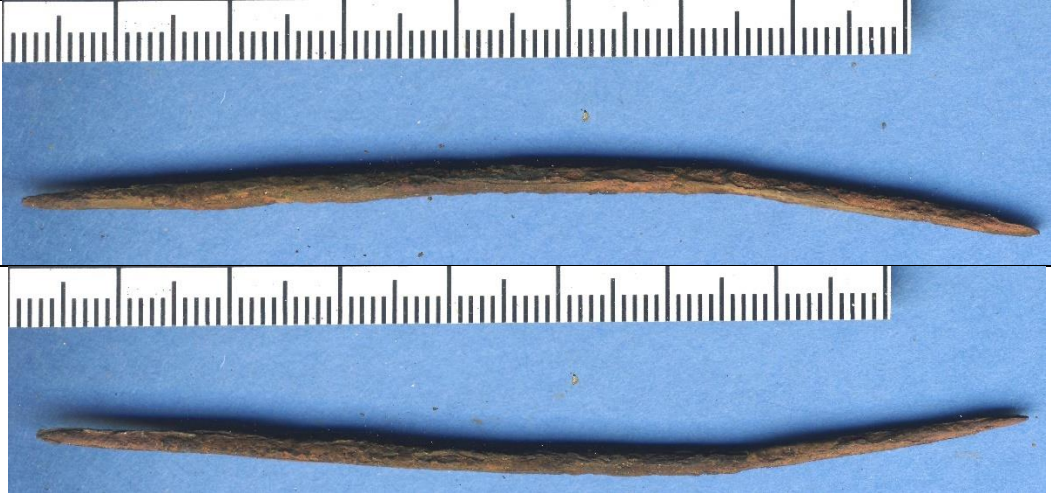
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| Catalog Number: K4-43<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.21<br>Width: 3.13<br>Thickness: 2.22<br>Weight: 1.79  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

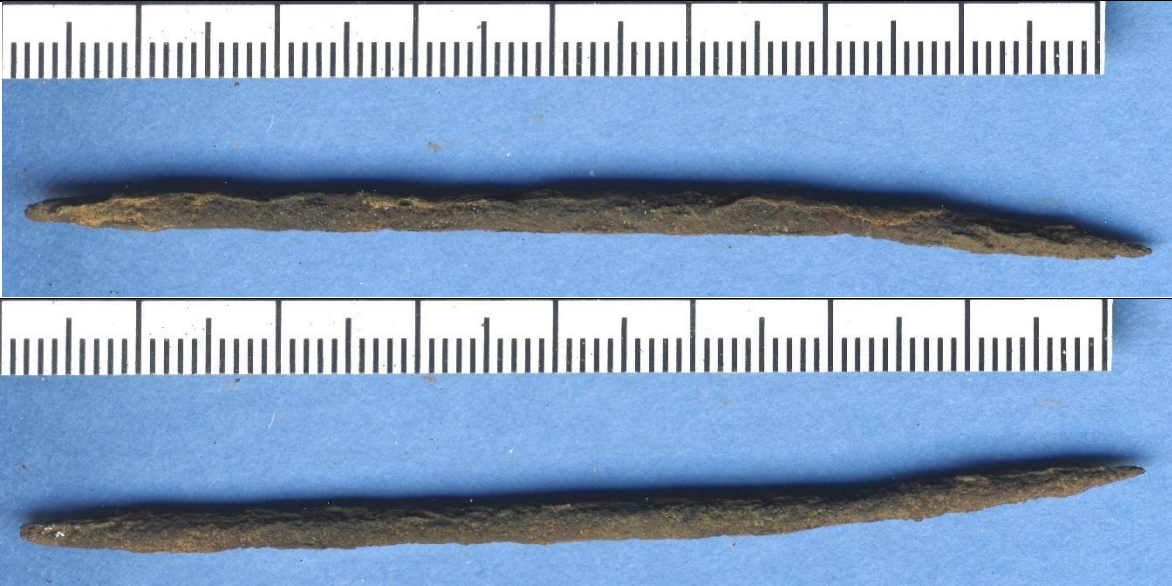
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|--|---|
| Catalog Number: K4-44<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 88.87<br>Width: 4.52<br>Thickness: 3.91<br>Weight: 5.38  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|  |   |
| <b>Comment:</b>  |   |


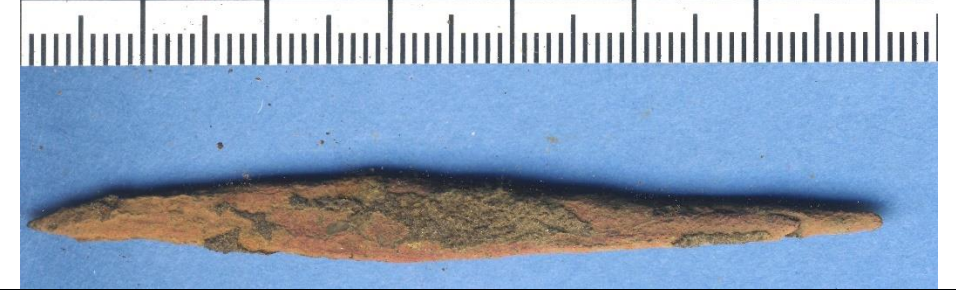
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|--|---|
| Catalog Number: K4-45<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 81.83<br>Width: 3.41<br>Thickness: 2.91<br>Weight: 2.22  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |

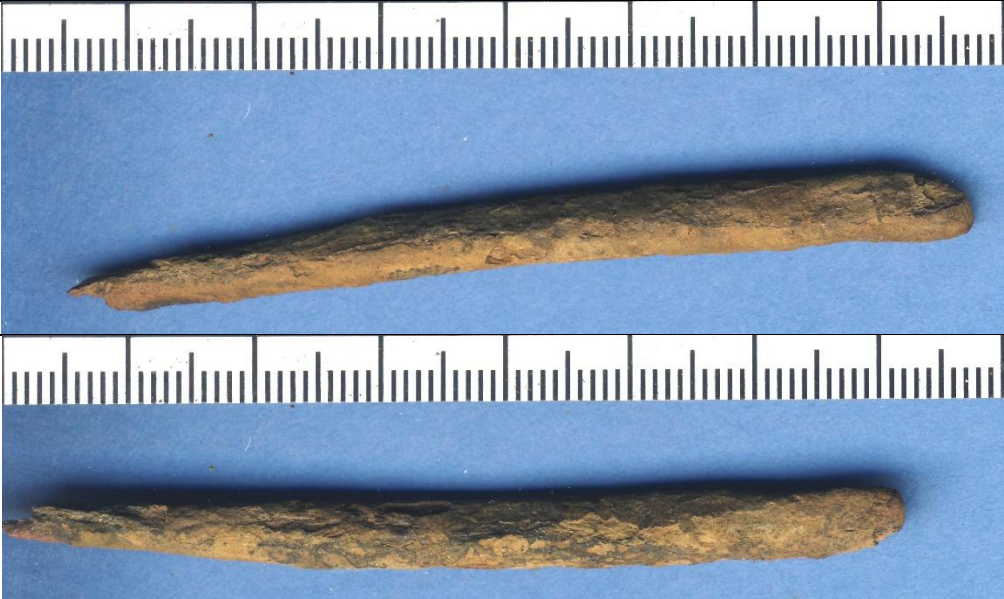
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|--|---|
| Catalog Number: K4-46<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.97<br>Width: 3.61<br>Thickness: 3.02<br>Weight: 2.81  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
|    |   |
| <b>Comment:</b>  |   |



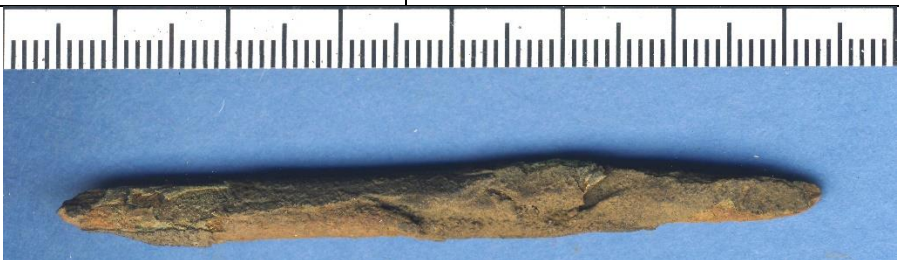

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|---|---|
| Catalog Number: K4-47<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 91.24<br>Width: 3.78<br>Thickness: 2.35<br>Weight: 3.01  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |

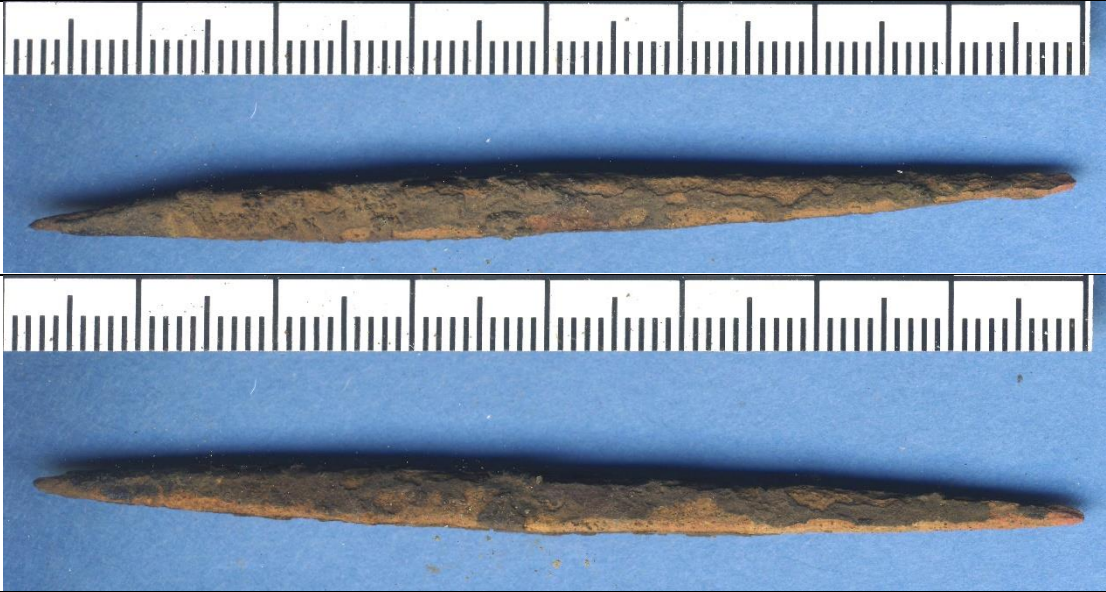
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|---|---|
| Catalog Number: K4-48<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 82.67<br>Width: 3.81<br>Thickness: 3.06<br>Weight: 3.20  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |

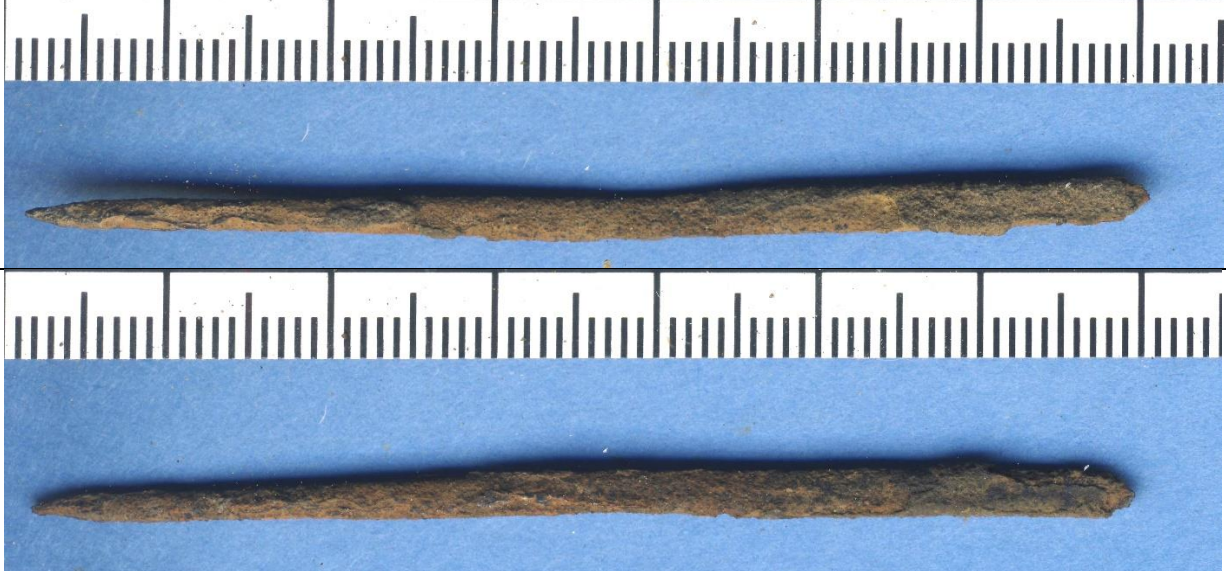
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|--|---|
| Catalog Number: K4-49<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.00<br>Width: 6.97<br>Thickness: 3.12<br>Weight: 5.04  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
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| <b>Comment:</b>  |   |

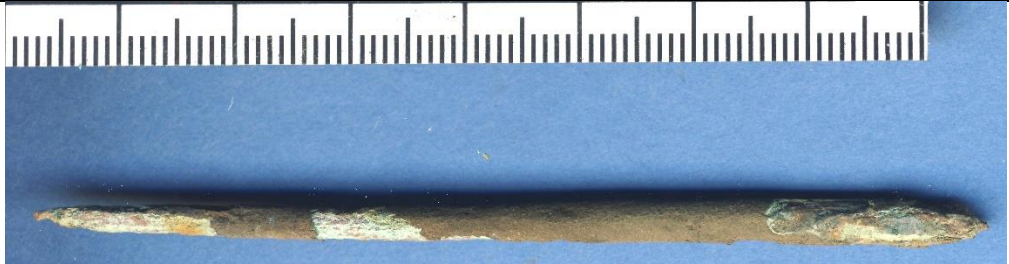

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|---|---|
| Catalog Number: K4-50<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.38<br>Width: 5.72<br>Thickness: 4.69<br>Weight: 7.72  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |




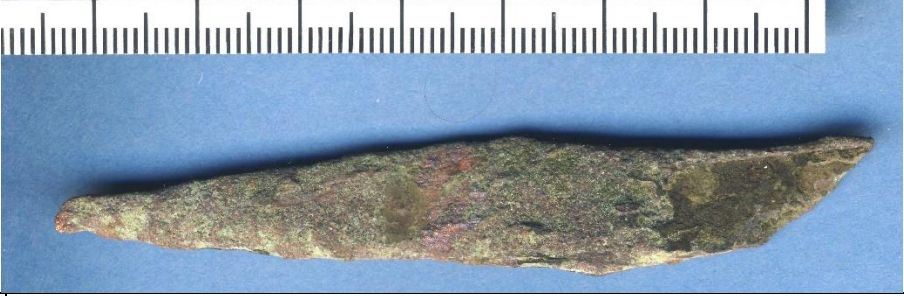
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|--|---|
| Catalog Number: K4-51<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.42<br>Width: 6.22<br>Thickness: 4.18<br>Weight: 6.47  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|  |   |
|  |   |
| <b>Comment:</b>  |   |




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|--|---|
| Catalog Number: K4-52<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.84<br>Width: 4.83<br>Thickness: 4.78<br>Weight: 6.12  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |

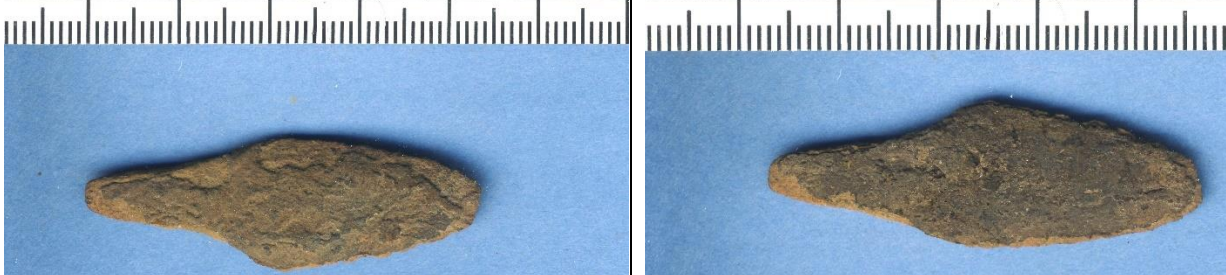
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|---|---|
| Catalog Number: K4-53<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.21<br>Width: 3.34<br>Thickness: 2.34<br>Weight: 1.46  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |



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|--|---|
| Catalog Number: K4-54<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.59<br>Width: 3.80<br>Thickness: 3.51<br>Weight: 3.50  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |





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| Catalog Number: K12-1<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife/Projectile Point<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 80.60<br>Width: 12.82<br>Thickness: 4.17<br>Weight: 11.21   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |  |

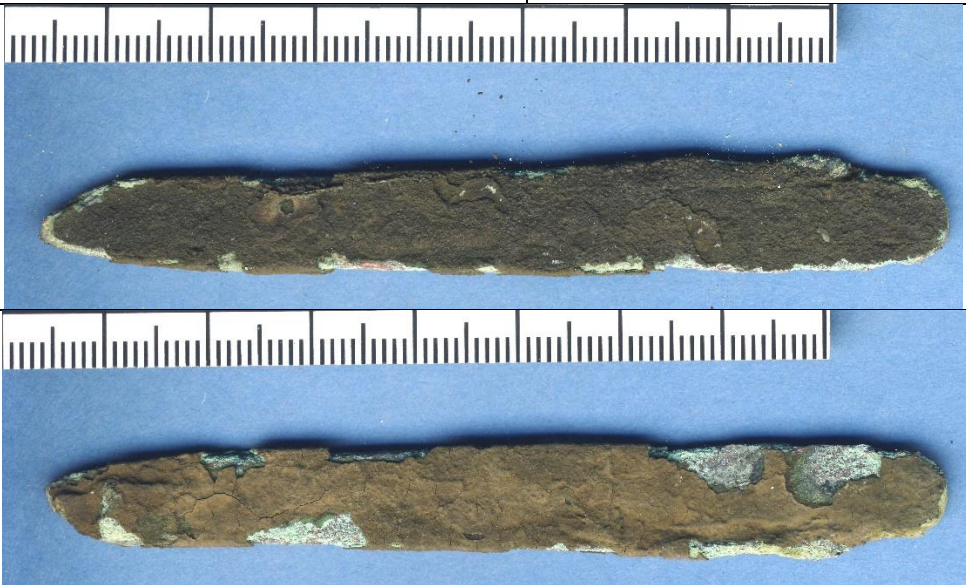
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| Catalog Number: K12-2<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife/Projectile Point<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Oval<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: Flattened<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.61<br>Width: 14.85<br>Thickness: 2.21<br>Weight: 6.31   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |   |  |

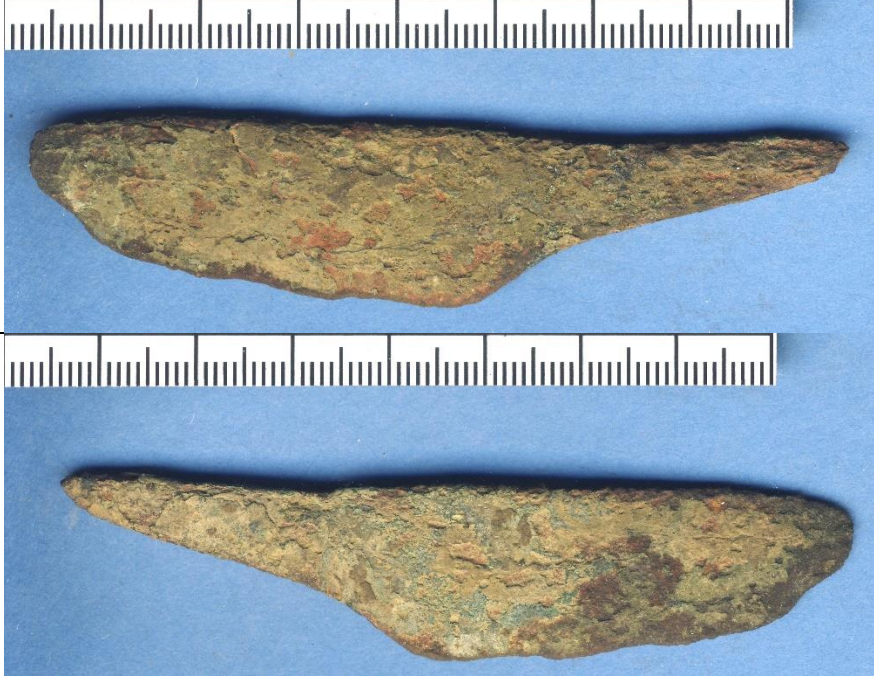
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| Catalog Number: K12-3<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.20<br>Width: 14.81<br>Thickness: 3.11<br>Weight: 6.11  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: K12-4<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife/Projectile Point<br>Wittry Type: II  | Distal Morphology: N/A<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 37.00<br>Width: 11.23<br>Thickness: 5.53<br>Weight: 3.73   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |   |  |





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| Catalog Number: K12-5<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Curvate Rod<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Curvate Rod<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 66.48<br>Width: 6.64<br>Thickness: 3.94<br>Weight: 6.64  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: K12-6<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Preform<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Sheet<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 88.80<br>Width: 10.73<br>Thickness: 2.85<br>Weight: 9.19  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  | strip  |

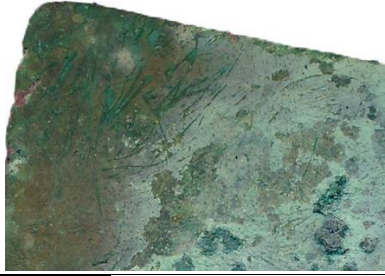

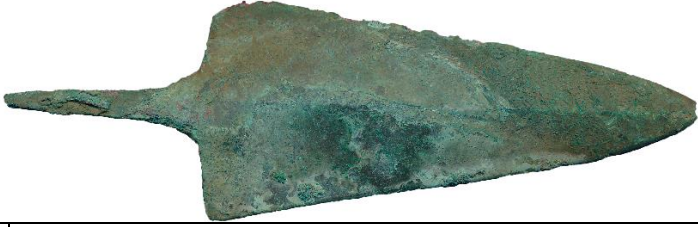
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| Catalog Number: K12-7<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.85<br>Width: 18.43<br>Thickness: 3.58<br>Weight: 19.59  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |   |




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| Catalog Number: K12-8<br>Provenience: Lake Koshkonong  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.26<br>Width: 10.02<br>Thickness: 7.47<br>Weight: 3.84  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b> silver on ventral surface  |  |  |




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| Catalog Number: K15-23<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: C<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.39<br>Width: 2.65<br>Thickness: 2.25<br>Weight: 1.20   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: K15-24<br>Provenience: Lake Koshkonong   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: K or G<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.08<br>Width: 2.51<br>Thickness: 2.17<br>Weight: 0.96  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 22-01<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-D2  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Diamond<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 145.69<br>Width: 46.20<br>Thickness: 7.17<br>Weight: 103.99  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  | Found as part of a small Cache  |

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| Catalog Number: 22-02<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-D2  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Diamond<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Square<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 131.85<br>Width: 45.78<br>Thickness: 7.62<br>Weight: 95.84  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b> Found as part of a small Cache   |  |







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| Catalog Number: 25-01<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.43<br>Width: 10.31<br>Thickness: 2.67<br>Weight: 6.28  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

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| Catalog Number: 25-02<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A                        | <b>Metric Analysis:</b><br>Length: 48.09<br>Width: 13.79<br>Thickness: 3.07<br>Weight: 7.37   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
| <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> |   |
| <b>Comment:</b>   |   |



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| Catalog Number: 25-03<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.32<br>Width: 14.92<br>Thickness: 3.88<br>Weight: 13.81   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |



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| <b>Comment:</b> |  |
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| Catalog Number: 25-04<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G2  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Split Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Indented |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.73<br>Width: 18.36<br>Thickness: 2.93<br>Weight: 9.23  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: 25-05<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.06<br>Width: 11.58<br>Thickness: 8.52<br>Weight: 11.16   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Refined   |
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| <b>Comment:</b>   |  |




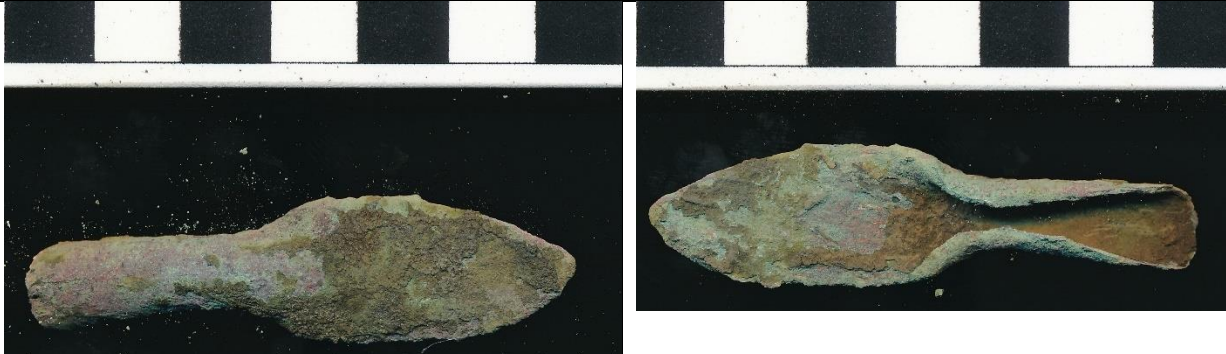
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| Catalog Number: 25-06<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 102.08<br>Width: 12.92<br>Thickness: 2.29<br>Weight: 8.29  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 25-07<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Wedge<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Crimped<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 119.65<br>Width: 29.87<br>Thickness: 11.39<br>Weight: 230.70  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |  |



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| Catalog Number: 25-08<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Bead<br>Wittry Type: X-B   | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 12.38<br>Width: 7.29<br>Thickness: 6.35<br>Weight: 1.82   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |





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| Catalog Number: 25-09<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 81.01<br>Width: 20.07<br>Thickness: 11.00<br>Weight: 25.99   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |   |



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| Catalog Number: 25-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.67<br>Width: 16.09<br>Thickness: 6.71<br>Weight: 2.78   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">  </div>  |   |  |
| <b>Comment:</b>  |   |  |



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| Catalog Number: 25-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.20<br>Width: 12.85<br>Thickness: 2.35<br>Weight: 6.36  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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| Catalog Number: 25-12<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.95<br>Width: 15.05<br>Thickness: 2.14<br>Weight: 8.32   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |




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| Catalog Number: 25-13<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Mandril<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 127.55<br>Width: 11.54<br>Thickness: 6.99<br>Weight: 59.06   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b> Could be large perforator also  |   |



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| Catalog Number: 25-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Notched<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.01<br>Width: 11.47<br>Thickness: 1.30<br>Weight: 3.71  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 25-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Diamond<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 97.52<br>Width: 26.05<br>Thickness: 4.04<br>Weight: 45.72  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |   |



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| Catalog Number: 25-16<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 27.56<br>Width: 15.53<br>Thickness: 14.40<br>Weight: 4.80  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |   |  |





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| Catalog Number: 25-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 122.37<br>Width: 29.63<br>Thickness: 3.68<br>Weight: 46.18   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |   |





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| Catalog Number: 25-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.16<br>Width: 16.26<br>Thickness: 7.34<br>Weight: 13.83  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 25-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.97<br>Width: 13.84<br>Thickness: 7.21<br>Weight: 11.31  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 25-20<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 67.03<br>Width: 15.35<br>Thickness: 4.50<br>Weight: 7.41   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: 25-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.59<br>Width: 9.12<br>Thickness: 6.87<br>Weight: 4.91  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 25-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 89.13<br>Width: 2.93<br>Thickness: 2.93<br>Weight: 1.43  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 25-23<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 158.11<br>Width: 5.74<br>Thickness: 4.84<br>Weight: 18.33  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 25-24<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.55<br>Width: 7.61<br>Thickness: 5.86<br>Weight: 19.12   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: 25-25<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.07<br>Width: 7.81<br>Thickness: 5.61<br>Weight: 13.85  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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|---|---|--|
| Catalog Number: 25-26<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.24<br>Width: 4.00<br>Thickness: 3.78<br>Weight: 6.00  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 25-27<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV-A2   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.13<br>Width: 4.62<br>Thickness: 4.44<br>Weight: 4.02  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 25-28<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.90<br>Width: 5.10<br>Thickness: 4.84<br>Weight: 4.18  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 25-29<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.51<br>Width: 6.51<br>Thickness: 5.54<br>Weight: 8.70  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |






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| Catalog Number: 25-30<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife or Crescent<br>Wittry Type: IV  | Distal Morphology: Flat<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 93.77<br>Width: 15.39<br>Thickness: 2.16<br>Weight: 11.61   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: 25-31<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.55<br>Width: 6.15<br>Thickness: 4.61<br>Weight: 5.16  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


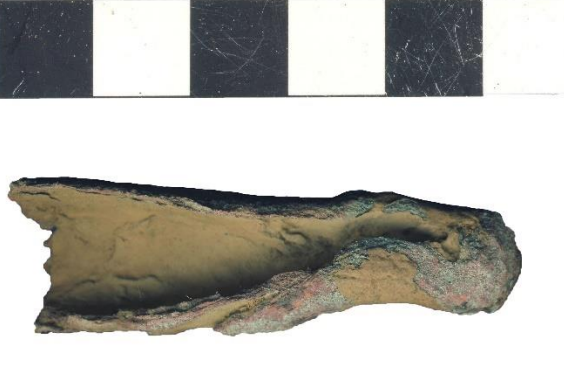
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| Catalog Number: 25-32<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.70<br>Width: 7.21<br>Thickness: 4.01<br>Weight: 5.31   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |





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| Catalog Number: 25-33<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: N/A<br>Proximal Shape: Sheet<br>Proximal Cross-Section: Indented<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 92.35<br>Width: 36.88<br>Thickness: 2.52<br>Weight: 21.61   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">  </div>  |  |  |
| <b>Comment:</b>  |  |  |

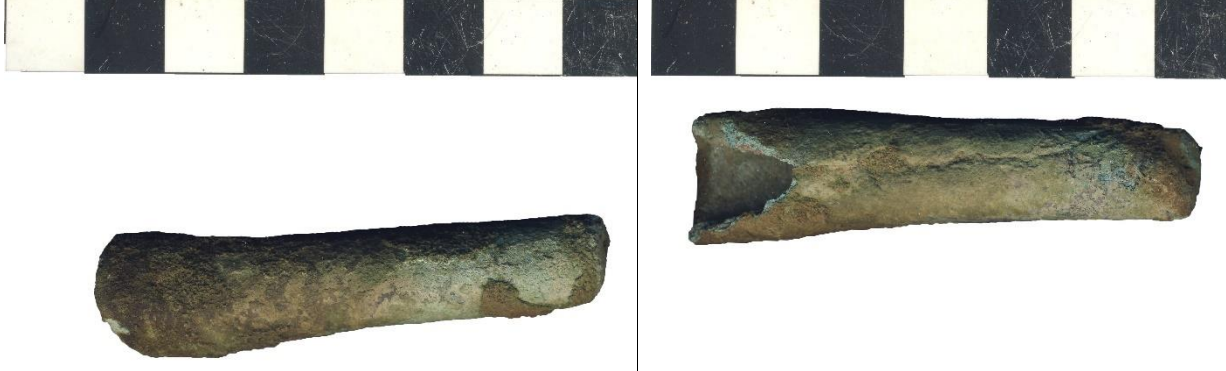
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|---|---|--|
| Catalog Number: 25-34<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 37.20<br>Width: 11.91<br>Thickness: 2.81<br>Weight: 4.98   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> Expedient point   |   |  |



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|--|---|--|
| Catalog Number: 27-1<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.17<br>Width: 12.82<br>Thickness: 5.88<br>Weight: 6.53   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 27-2<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Billet<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Mushroomed<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 53.88<br>Width: 14.04<br>Thickness: 10.35<br>Weight: 15.09  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

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| Catalog Number: 27-3<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.40<br>Width: 9.94<br>Thickness: 9.33<br>Weight: 10.46   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |







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| Catalog Number: 27-4<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Billet<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Mushroomed<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.20<br>Width: 15.78<br>Thickness: 13.88<br>Weight: 12.12  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |





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| Catalog Number: 27-6<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 22.85<br>Width: 5.72<br>Thickness: 2.88<br>Weight: 1.02  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

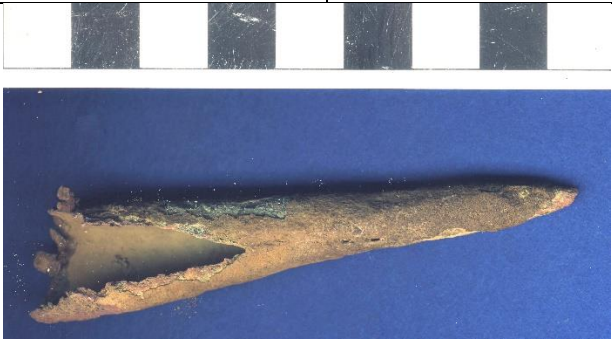

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| Catalog Number: 27-7<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-J   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.12<br>Width: 16.24<br>Thickness: 6.65<br>Weight: 7.72  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | This looks like a tanged projectile point with the base of the blade bent up to form a socket  |

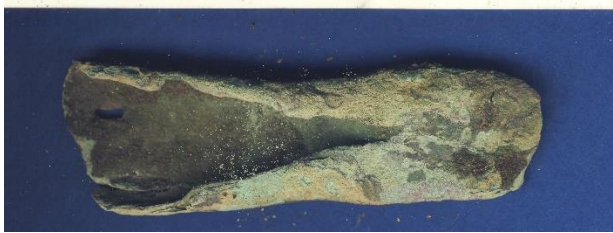



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| Catalog Number: 27-8<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-J   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 42.20<br>Width: 13.85<br>Thickness: 5.37<br>Weight: 2.65  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   | This looks like a tanged projectile point with the base of the blade bent up to form a socket  |  |



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| Catalog Number: 27-9<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Round<br>Proximal Shape: Flat<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 90.80<br>Width: 16.07<br>Thickness: 15.81<br>Weight: 41.24  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 27-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 84.19<br>Width: 11.81<br>Thickness: 11.28<br>Weight: 23.12   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


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| Catalog Number: 27-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 85.36<br>Width: 16.81<br>Thickness: 12.68<br>Weight: 23.35  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

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| Catalog Number: 27-12<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Billet<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Worn<br>Distal 2: Lipped<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.55<br>Width: 21.65<br>Thickness: 9.86<br>Weight: 39.41   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |  |  |






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| Catalog Number: 27-13<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-B   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 91.58<br>Width: 27.02<br>Thickness: 7.29<br>Weight: 40.34   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Refined  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   |  |  |

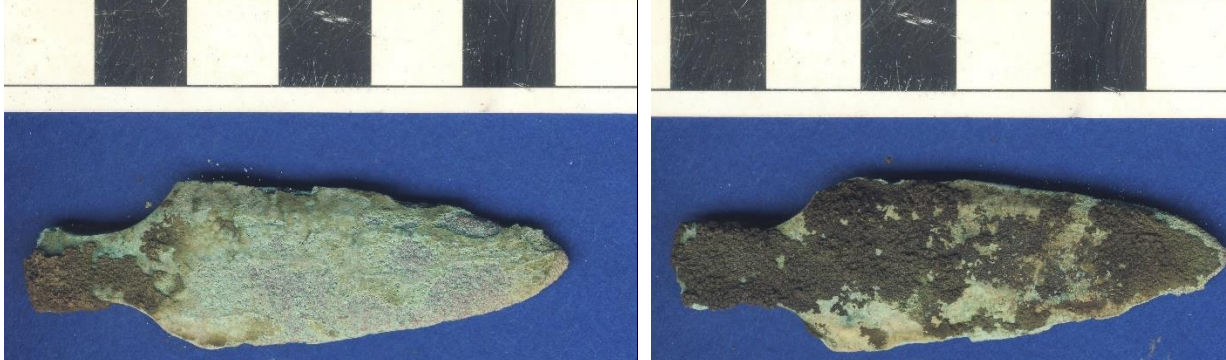
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| Catalog Number: 27-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 95.99<br>Width: 23.34<br>Thickness: 12.28<br>Weight: 35.21  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 27-15<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.91<br>Width: 15.42<br>Thickness: 10.72<br>Weight: 28.65   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Refined  |  |
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| <b>Comment:</b>  |   |  |




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| Catalog Number: 27-16<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A                            | <b>Metric Analysis:</b><br>Length: 95.29<br>Width: 20.58<br>Thickness: 8.08<br>Weight: 19.49  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around; align-items: center;">   </div> |   |  |
| <b>Comment:</b>  |   |  |



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| Catalog Number: 27-17<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.15<br>Width: 15.13<br>Thickness: 9.47<br>Weight: 22.05  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |




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|--|---|--|
| Catalog Number: 27-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Flared Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.62<br>Width: 18.17<br>Thickness: 4.22<br>Weight: 14.94  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 27-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.45<br>Width: 20.59<br>Thickness: 3.62<br>Weight: 16.60   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  |  |






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| Catalog Number: 27-20<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Notched<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.26<br>Width: 20.58<br>Thickness: 3.10<br>Weight: 16.40   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 27-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 90.32<br>Width: 22.01<br>Thickness: 4.02<br>Weight: 23.70  |  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b>  |   |  |


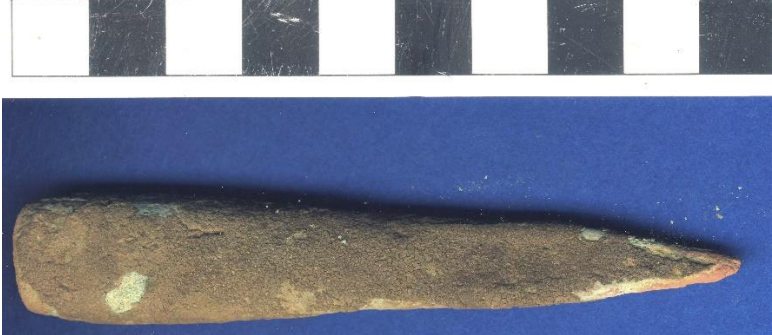
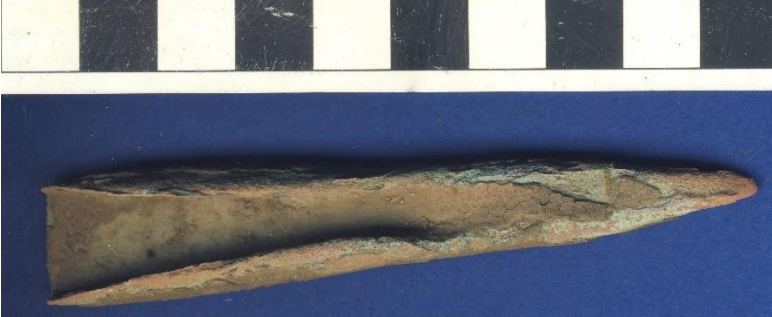
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| Catalog Number: 27-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-C   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 112.80<br>Width: 25.19<br>Thickness: 3.55<br>Weight: 27.40   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Manufacturing striations   |   |






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| Catalog Number: 27-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile<br>Wittry Type: Point<br>I-H  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 130.33<br>Width: 23.98<br>Thickness: 3.68<br>Weight: 34.05   |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Manufacturing striations  |




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| Catalog Number: 27-24<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile<br>Wittry Type: Point<br>I-H  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 121.89<br>Width: 26.86<br>Thickness: 6.02<br>Weight: 51.81   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 27-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting: Present<br>Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 96.16<br>Width: 17.12<br>Thickness: 10.06<br>Weight: 31.71  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Manufacturing striations   |

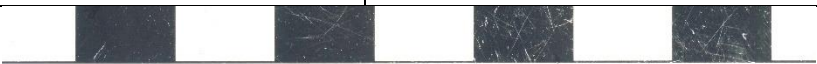



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| Catalog Number: 27-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 88.01<br>Width: 18.10<br>Thickness: 11.52<br>Weight: 25.65  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 28-1<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 137.36<br>Width: 5.12<br>Thickness: 4.68<br>Weight: 13.26  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: 28-2<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 154.00<br>Width: 6.53<br>Thickness: 4.28<br>Weight: 20.47  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 28-3<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 87.34<br>Width: 17.86<br>Thickness: 2.98<br>Weight: 15.73  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |

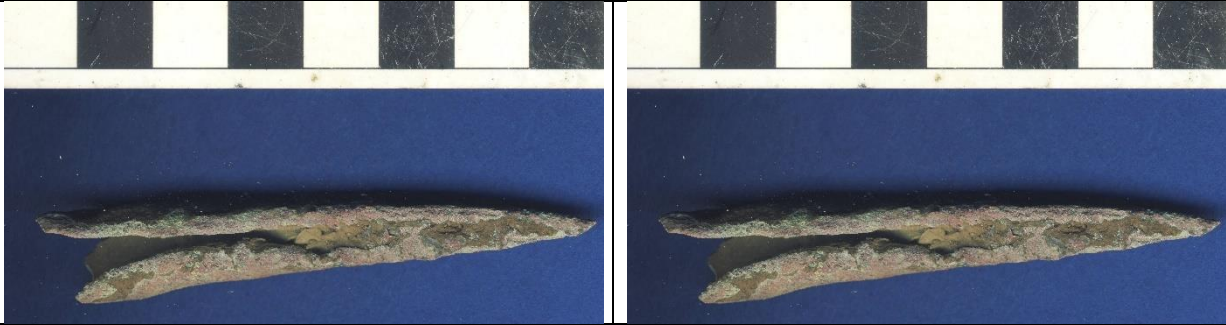
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| Catalog Number: 28-4<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Harpoon<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.33<br>Width: 11.62<br>Thickness: 4.78<br>Weight: 13.59  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Present<br>Type of Projection: Point<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 28-5<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Broken<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.16<br>Width: 18.95<br>Thickness: 2.88<br>Weight: 10.88  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>   |   |





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| Catalog Number: 28-6<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.61<br>Width: 6.65<br>Thickness: 4.92<br>Weight: 1.33   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 28-7<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.91<br>Width: 12.72<br>Thickness: 8.53<br>Weight: 6.71   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 28-8<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.56<br>Width: 12.74<br>Thickness: 10.75<br>Weight: 15.83  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment</b><br>:  |  |  |



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| Catalog Number: 28-9<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Triangular<br>Presence of Hafting Element: N/A<br>Proximal Shape: Present<br>Proximal Cross-Section: Socket<br>Proximal Morphology: Angular Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 124.39<br>Width: 19.57<br>Thickness: 15.04<br>Weight: 66.38  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 28-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Double Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 100.23<br>Width: 90.46<br>Thickness: 4.56<br>Weight: 42.70  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |  |






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| Catalog Number: 28-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.63<br>Width: 28.28<br>Thickness: 4.05<br>Weight: 1.95  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: 28-12<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.89<br>Width: 11.14<br>Thickness: 2.69<br>Weight: 1.47  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 28-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Fish Hook<br>Wittry Type: VII  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.51<br>Width: 43.61<br>Thickness: 4.71<br>Weight: 7.30  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |





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| Catalog Number: 28-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.95<br>Width: 16.28<br>Thickness: 5.76<br>Weight: 1.97   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 28-15<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Witty Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.98<br>Width: 26.17<br>Thickness: 5.05<br>Weight: 24.26  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
| <div style="display: flex; justify-content: space-around;">  </div>  |   |  |
| <b>Comment:</b>  |   |  |





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| Catalog Number: 28-16<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A1   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Triangular<br>Presence of Hafting Element: N/A<br>Proximal Shape: Present<br>Proximal Cross-Section: Tang<br>Proximal Morphology: Rectangular Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 125.48<br>Width: 19.02<br>Thickness: 4.36<br>Weight: 28.17   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 28-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 83.41<br>Width: 14.89<br>Thickness: 4.05<br>Weight: 12.55  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 28-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.36<br>Width: 8.41<br>Thickness: 5.60<br>Weight: 3.04  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |







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| Catalog Number: 28-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Angular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.98<br>Width: 15.41<br>Thickness: 10.53<br>Weight: 32.09  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 28-20<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Round<br>Proximal Shape: Flat<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 90.80<br>Width: 12.08<br>Thickness: 7.61<br>Weight: 16.43  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 28-21<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.05<br>Width: 11.42<br>Thickness: 10.30<br>Weight: 11.07   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |







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| Catalog Number: 28-22<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Broken<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 16.91<br>Width: 8.58<br>Thickness: 7.00<br>Weight: 2.53   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

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| Catalog Number: 28-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.60<br>Width: 8.78<br>Thickness: 6.11<br>Weight: 2.19   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |



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| Catalog Number: 28-24<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.65<br>Width: 7.79<br>Thickness: 6.92<br>Weight: 4.00  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |


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| Catalog Number: 28-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.52<br>Width: 9.18<br>Thickness: 6.02<br>Weight: 4.02  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 28-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 32.63<br>Width: 11.78<br>Thickness: 7.47<br>Weight: 2.97   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |




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| Catalog Number: 28-27<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.09<br>Width: 13.34<br>Thickness: 11.67<br>Weight: 5.60   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

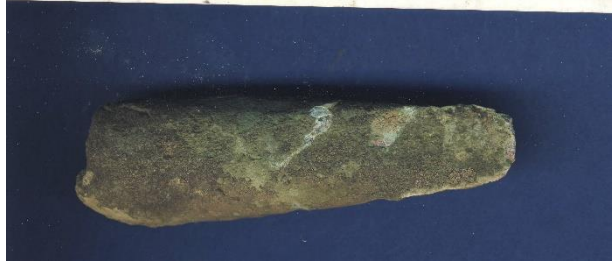





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| Catalog Number: 28-28<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.31<br>Width: 11.78<br>Thickness: 9.34<br>Weight: 12.36  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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| Catalog Number: 28-29<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing<br>Symmetry: Debris<br>Indeterminate   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 153.00<br>Width: 13.67<br>Thickness: 3.70<br>Weight: 31.69  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |






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| Catalog Number: 28-30<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: Twisted<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.82<br>Width: 14.53<br>Thickness: 2.48<br>Weight: 7.06  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b> Largely Ag, Ag is in much better condition than Cu, retains more evidence of manufacture and use.   |  |  |



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| Catalog Number: 28-31<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Billet<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Notched<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.24<br>Width: 20.80<br>Thickness: 18.78<br>Weight: 85.05  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: 28-32<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.49<br>Width: 14.83<br>Thickness: 12.47<br>Weight: 12.84  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 28-33<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 55.24<br>Width: 14.62<br>Thickness: 8.06<br>Weight: 9.85  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   |  |  |

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| Catalog Number: 28-34<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-E  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 74.71<br>Width: 25.20<br>Thickness: 4.08<br>Weight: 17.04  |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b>   |   |  |







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| Catalog Number: 28-35<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G2  | Distal Morphology: N/A<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Split Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Indented |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 70.88<br>Width: 23.31<br>Thickness: 3.84<br>Weight: 11.51  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-1<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III-G   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 125.26<br>Width: 33.97<br>Thickness: 3.01<br>Weight: 40.59   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 3<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-2<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III-G  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Semi-Circular<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 106.56<br>Width: 27.56<br>Thickness: 3.76<br>Weight: 28.71  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |




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| Catalog Number: 29-3<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 69.81<br>Width: 11.61<br>Thickness: 2.89<br>Weight: 6.89  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">   </div>     |  |  |
| <b>Comment:</b>   |  |  |



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| Catalog Number: 29-4<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting: Present<br>Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.99<br>Width: 14.33<br>Thickness: 2.46<br>Weight: 9.52  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 29-5<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 86.79<br>Width: 17.55<br>Thickness: 3.81<br>Weight: 16.10  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-6<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.66<br>Width: 16.04<br>Thickness: 4.26<br>Weight: 13.67  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  |   |





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| Catalog Number: 29-7<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II-A1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Triangular<br>Presence of Hafting Element: N/A<br>Proximal Shape: Present<br>Proximal Cross-Section: Tang<br>Proximal Morphology: Rectangular Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 140.50<br>Width: 24.80<br>Thickness: 3.20<br>Weight: 33.68  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |


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| Catalog Number: 29-8<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.18<br>Width: 16.15<br>Thickness: 3.22<br>Weight: 8.70  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |



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| Catalog Number: 29-9<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: N/A<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.60<br>Width: 14.69<br>Thickness: 3.38<br>Weight: 11.42  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Double Tang<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.91<br>Width: 71.66<br>Thickness: 3.79<br>Weight: 20.31   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |  |





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| Catalog Number: 29-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Double Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 21.49<br>Width: 75.28<br>Thickness: 2.91<br>Weight: 10.42  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-12<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Crescent<br>Wittry Type: III   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Double Tang<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 24.00<br>Width: 58.15<br>Thickness: 2.14<br>Weight: 5.70   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">  </div>   |   |  |
| <b>Comment:</b>   |   |  |



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| Catalog Number: 29-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 98.87<br>Width: 65.48<br>Thickness: 2.81<br>Weight: 13.32  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.80<br>Width: 15.88<br>Thickness: 2.59<br>Weight: 7.61   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |





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| Catalog Number: 29-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Twisted<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 61.30<br>Width: 14.41<br>Thickness: 3.08<br>Weight: 8.02   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 29-16<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.13<br>Width: 8.81<br>Thickness: 1.93<br>Weight: 5.28   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |  |



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| Catalog Number: 29-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: N/A<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.11<br>Width: 15.76<br>Thickness: 2.20<br>Weight: 4.42  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 29-18<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Rectangular<br>Proximal Shape: Rounded<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 100.61<br>Width: 21.24<br>Thickness: 2.11<br>Weight: 19.80  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: None<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>   | Manufacturing striations   |





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| Catalog Number: 29-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.14<br>Width: 19.45<br>Thickness: 2.90<br>Weight: 12.38  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 29-20<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 125.72<br>Width: 32.07<br>Thickness: 3.20<br>Weight: 30.73   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |   |


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| Catalog Number: 29-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 100.71<br>Width: 28.95<br>Thickness: 3.53<br>Weight: 27.62  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 29-22<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Broken<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 127.81<br>Width: 34.11<br>Thickness: 4.54<br>Weight: 58.61   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>   |   |

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| Catalog Number: 29-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sub-Triangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 91.71<br>Width: 18.05<br>Thickness: 2.84<br>Weight: 13.48   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |







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| Catalog Number: 29-24<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 130.60<br>Width: 24.23<br>Thickness: 3.84<br>Weight: 31.39  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

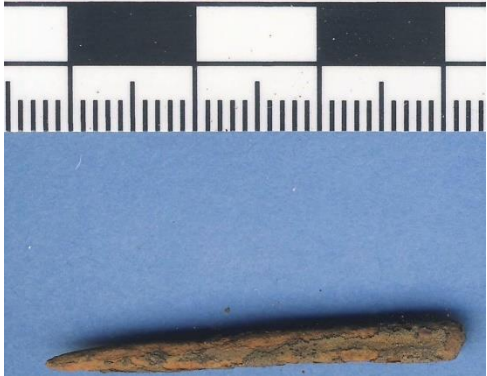

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| Catalog Number: 29-25<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element: Wedge<br>Cross-Section: Sub-Triangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Rectangular Pointed<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 132.34<br>Width: 22.24<br>Thickness: 3.23<br>Weight: 28.80   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |   |



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| Catalog Number: 29-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.27<br>Width: 15.04<br>Thickness: 2.80<br>Weight: 5.41   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |   |







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| Catalog Number: 32-02<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.80<br>Width: 6.95<br>Thickness: 3.53<br>Weight: 3.81  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

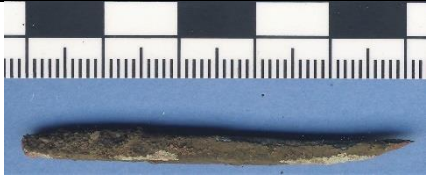

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| Catalog Number: 32-03<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.01<br>Width: 10.87<br>Thickness: 4.66<br>Weight: 7.99  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

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|--|---|--|
| Catalog Number: 32-04<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.06<br>Width: 3.23<br>Thickness: 2.23<br>Weight: 1.16  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

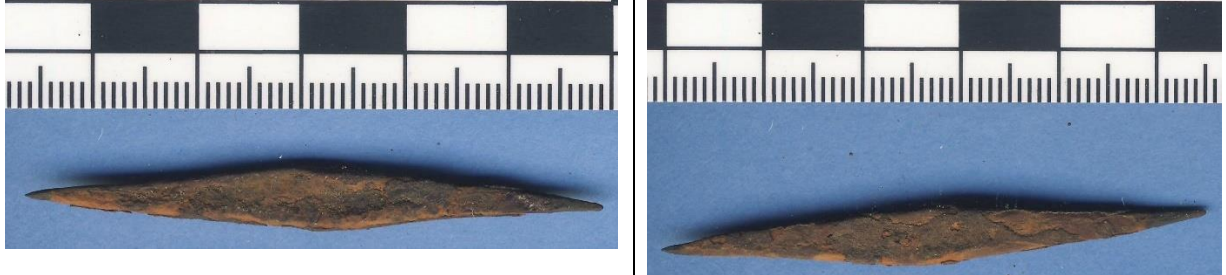
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| Catalog Number: 32-05<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Broken<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.38<br>Width: 3.38<br>Thickness: 3.37<br>Weight: 1.50   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |

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| Catalog Number: 32-06<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.62<br>Width: 9.63<br>Thickness: 4.82<br>Weight: 9.30  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |


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| Catalog Number: 32-07<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 76.93<br>Width: 4.18<br>Thickness: 2.73<br>Weight: 3.68  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>   |   |

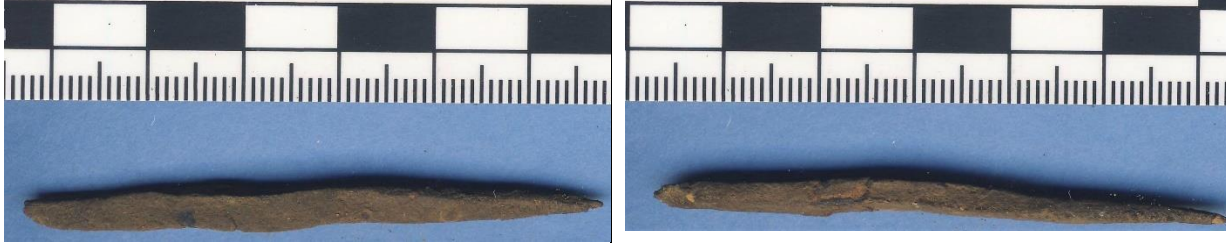
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|---|---|--|
| Catalog Number: 32-08<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.35<br>Width: 4.63<br>Thickness: 3.54<br>Weight: 2.81  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |


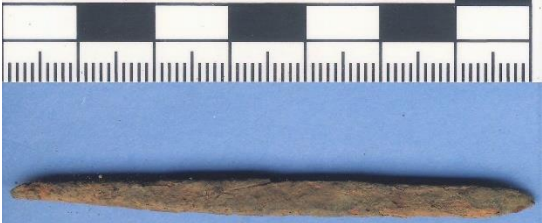




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| Catalog Number: 32-09<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.73<br>Width: 6.31<br>Thickness: 3.71<br>Weight: 3.67  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |







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| Catalog Number: 32-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Witty Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Tab<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.27<br>Width: 6.18<br>Thickness: 3.81<br>Weight: 8.49   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment</b><br>:  |  |  |

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| Catalog Number: 32-11<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.58<br>Width: 4.88<br>Thickness: 2.92<br>Weight: 3.37  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 32-12<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.82<br>Width: 4.93<br>Thickness: 3.13<br>Weight: 4.16  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 32-13<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 128.05<br>Width: 5.13<br>Thickness: 4.68<br>Weight: 12.46  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

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| Catalog Number: 32-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted Crescent<br>Degree of Curvature: < 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.70<br>Width: 9.32<br>Thickness: 1.98<br>Weight: 6.08  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 32-15<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Blunted<br>Degree of Curvature: Crescent<br>Presence of Hafting Element: < 90<br>Proximal Shape: Present<br>Proximal Cross-Section: Tang<br>Proximal Morphology: Rectangular<br>Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 130.89<br>Width: 18.09<br>Thickness: 4.10<br>Weight: 24.82  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |





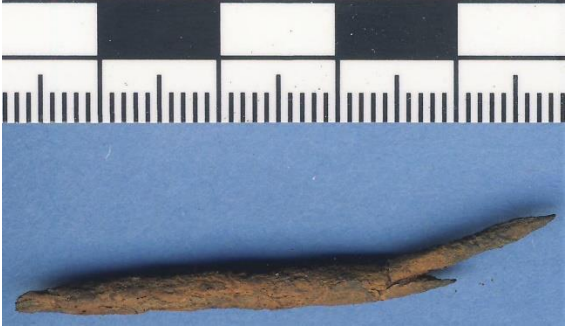

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| Catalog Number: 32-16<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Wedge<br>Functional Element Shape: Crescent<br>Degree of Curvature: > 90<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 125.54<br>Width: 18.69<br>Thickness: 4.33<br>Weight: 33.14   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b> Manufacturing striations   |   |  |



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| Catalog Number: 32-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Blunted Crescent<br>Functional Element Shape: < 90<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tang<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Split<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 154.00<br>Width: 29.48<br>Thickness: 7.05<br>Weight: 51.65   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  | Welding split   |




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| Catalog Number: 32-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 104.53<br>Width: 7.43<br>Thickness: 5.30<br>Weight: 19.24   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 32-19<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.67<br>Width: 5.20<br>Thickness: 4.07<br>Weight: 3.13  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 32-20<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.77<br>Width: 3.63<br>Thickness: 3.37<br>Weight: 1.78  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


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| Catalog Number: 35-01<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.51<br>Width: 14.23<br>Thickness: 9.48<br>Weight:  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 35-02<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Flattened<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.54<br>Width: 12.30<br>Thickness: 5.28<br>Weight: 6.20   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b> Expedient point  |   |  |





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| Catalog Number: 35-03<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-H  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Present<br>Presence of Repair: Restraighten<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 63.26<br>Width: 17.64<br>Thickness: 3.29<br>Weight: 9.83   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |   |  |


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| Catalog Number: 35-04<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 52.41<br>Width: 19.08<br>Thickness: 2.52<br>Weight: 7.81   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment:</b>   |   |  |


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| Catalog Number: 35-05<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-G1  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 66.29<br>Width: 21.14<br>Thickness: 3.02<br>Weight: 12.30  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |





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| Catalog Number: 35-06<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-H   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Lipped<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.76<br>Width: 19.78<br>Thickness: 2.30<br>Weight: 7.89  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: 35-07<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Biconvex<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use: Yes<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 63.54<br>Width: 10.19<br>Thickness: 2.96<br>Weight: 5.72   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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| Catalog Number: 35-08<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Diamond<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 63.30<br>Width: 10.54<br>Thickness: 2.76<br>Weight: 5.59  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
| <div style="display: flex; justify-content: space-around;">  </div>  |  |  |
| <b>Comment:</b>  |  |  |



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| Catalog Number: 35-09<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-H   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Flared Tang<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 40.15<br>Width: 10.37<br>Thickness: 2.26<br>Weight: 2.48  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: 35-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Biconvex<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tang<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.75<br>Width: 8.59<br>Thickness: 2.07<br>Weight: 2.13  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |   |









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| Catalog Number: 35-11<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.29<br>Width: 12.18<br>Thickness: 9.26<br>Weight: 10.00  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 35-12<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.90<br>Width: 12.78<br>Thickness: 7.95<br>Weight: 6.71  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |


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| Catalog Number: 35-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.08<br>Width: 15.83<br>Thickness: 11.15<br>Weight: 22.51  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |





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| Catalog Number: 35-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-B   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Lancolet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 74.82<br>Width: 19.48<br>Thickness: 6.82<br>Weight: 16.78   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 35-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A  | <b>Metric Analysis:</b><br>Length: 65.07<br>Width: 18.02<br>Thickness: 7.30<br>Weight: 11.53   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 2<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Refined  |  |
| <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   |  |  |





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| Catalog Number: 35-16<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 53.98<br>Width: 14.63<br>Thickness: 7.38<br>Weight: 7.54  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   |  |  |



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| Catalog Number: 35-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.82<br>Width: 13.61<br>Thickness: 8.13<br>Weight: 6.85   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |   |





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| Catalog Number: 35-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-A   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Triangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.30<br>Width: 14.94<br>Thickness: 6.77<br>Weight: 7.92  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 3<br>Number of Edges: 2<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |



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| Catalog Number: 35-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Flattened<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.71<br>Width: 14.31<br>Thickness: 6.76<br>Weight: 8.00   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 35-20<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Witty Type: I-L/N/O  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Dented<br>Medial 1: None<br>Medial 2: Broken<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 85.59<br>Width: 11.40<br>Thickness: 6.99<br>Weight: 12.41  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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|---|---|--|
| Catalog Number: 35-21<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.92<br>Width: 13.55<br>Thickness: 8.99<br>Weight: 9.79   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |





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| Catalog Number: 35-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.24<br>Width: 14.16<br>Thickness: 11.74<br>Weight: 25.04   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 35-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 63.52<br>Width: 13.98<br>Thickness: 7.62<br>Weight: 12.09  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 35-24<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 56.84<br>Width: 15.32<br>Thickness: 9.90<br>Weight: 13.11  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 35-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Crimped<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.69<br>Width: 14.29<br>Thickness: 10.14<br>Weight: 16.46   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 35-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.13<br>Width: 11.69<br>Thickness: 6.57<br>Weight: 11.34  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |







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| Catalog Number: 35-27<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.96<br>Width: 13.99<br>Thickness: 10.79<br>Weight: 21.92  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>  |  |



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| Catalog Number: 35-28<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 66.49<br>Width: 9.19<br>Thickness: 6.10<br>Weight: 9.71   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |



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| Catalog Number: 35-29<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.48<br>Width: 11.94<br>Thickness: 10.55<br>Weight: 19.59   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
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| <b>Comment:</b>  |   |





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| Catalog Number: 35-30<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.56<br>Width: 11.95<br>Thickness: 8.55<br>Weight: 9.25   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: 36-01<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 30.90<br>Width: 8.98<br>Thickness: 5.16<br>Weight: 1.83   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-02<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.70<br>Width: 6.80<br>Thickness: 4.84<br>Weight: 2.50   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: 36-03<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket<br>Proximal Shape: Round<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.84<br>Width: 10.39<br>Thickness: 7.28<br>Weight: 7.58  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |





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| Catalog Number: 36-04<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.18<br>Width: 10.01<br>Thickness: 10.00<br>Weight: 5.52   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: 36-05<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Flat<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.95<br>Width: 12.70<br>Thickness: 7.75<br>Weight: 4.96   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 36-06<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.64<br>Width: 13.96<br>Thickness: 9.07<br>Weight: 11.72  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b> Manufacturing striations   |   |  |



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| Catalog Number: 36-07<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.76<br>Width: 9.98<br>Thickness: 9.53<br>Weight: 3.68   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |







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| Catalog Number: 36-08<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.38<br>Width: 11.57<br>Thickness: 6.49<br>Weight: 5.06   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: 36-09<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.01<br>Width: 8.03<br>Thickness: 5.16<br>Weight: 4.50   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: 36-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Cut<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.33<br>Width: 13.98<br>Thickness: 7.37<br>Weight: 6.84   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 36-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Light<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 42.95<br>Width: 7.78<br>Thickness: 4.72<br>Weight: 2.88   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |

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| Catalog Number: 36-12<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.19<br>Width: 7.14<br>Thickness: 7.49<br>Weight: 3.15  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 36-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.69<br>Width: 14.06<br>Thickness: 7.73<br>Weight: 5.25  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |







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| Catalog Number: 36-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 51.96<br>Width: 15.03<br>Thickness: 11.06<br>Weight: 10.55   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 36-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A        | <b>Metric Analysis:</b><br>Length: 68.24<br>Width: 14.15<br>Thickness: 10.07<br>Weight: 13.82   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment:</b>   |   |  |





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| Catalog Number: 36-16<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.47<br>Width: 12.90<br>Thickness: 7.87<br>Weight: 9.82  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b> Manufacturing striations   |  |



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| Catalog Number: 36-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 69.83<br>Width: 13.56<br>Thickness: 8.01<br>Weight: 9.35  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |



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| Catalog Number: 36-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.84<br>Width: 9.22<br>Thickness: 5.70<br>Weight: 2.85  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 36-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 51.20<br>Width: 9.14<br>Thickness: 9.19<br>Weight: 9.59   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-20<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 59.09<br>Width: 9.30<br>Thickness: 6.62<br>Weight: 5.45   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |







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| Catalog Number: 36-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 43.70<br>Width: 8.31<br>Thickness: 3.70<br>Weight: 2.48  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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|---|---|--|
| Catalog Number: 36-22<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.53<br>Width: 12.20<br>Thickness: 7.70<br>Weight: 6.59   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |







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| Catalog Number: 36-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.45<br>Width: 2.95<br>Thickness: 7.06<br>Weight: 5.29   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: 36-24<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.75<br>Width: 12.67<br>Thickness: 8.86<br>Weight: 7.33   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |


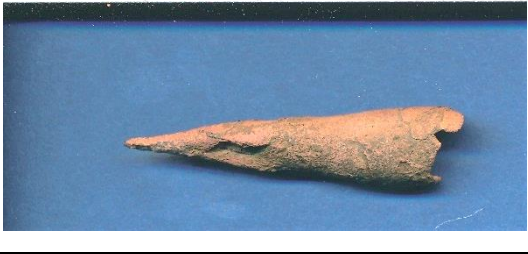
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| Catalog Number: 36-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.66<br>Width: 16.57<br>Thickness: 13.30<br>Weight: 19.66   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 36-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.80<br>Width: 9.64<br>Thickness: 5.67<br>Weight: 3.15   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-27<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Indeterminate<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crushed<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.66<br>Width: 9.77<br>Thickness: 6.32<br>Weight: 5.94  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 36-28<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.91<br>Width: 13.39<br>Thickness: 8.09<br>Weight: 14.44   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |







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| Catalog Number: 36-29<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 45.49<br>Width: 10.74<br>Thickness: 8.18<br>Weight: 7.19  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |





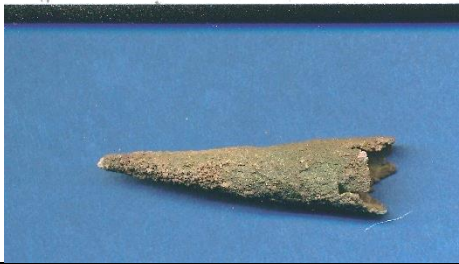

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| Catalog Number: 36-30<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.11<br>Width: 9.35<br>Thickness: 9.37<br>Weight: 6.56  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 36-31<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 78.10<br>Width: 13.44<br>Thickness: 7.23<br>Weight: 13.12  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 36-32<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.83<br>Width: 10.39<br>Thickness: 6.63<br>Weight: 4.69   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: 36-33<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Crushed<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.88<br>Width: 11.04<br>Thickness: 5.80<br>Weight: 2.85   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


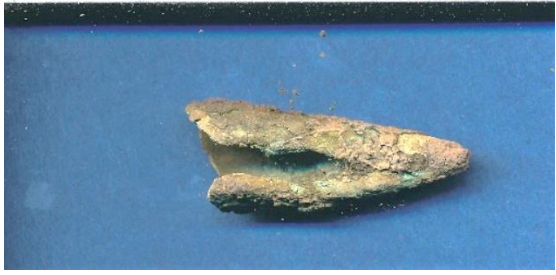
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| Catalog Number: 36-34<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.42<br>Width: 12.19<br>Thickness: 7.75<br>Weight: 6.70  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-35<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.26<br>Width: 10.17<br>Thickness: 7.62<br>Weight: 2.99  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |







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| Catalog Number: 36-36<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.75<br>Width: 7.35<br>Thickness: 4.82<br>Weight: 2.34   |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>   |  |  |





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| Catalog Number: 36-37<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.40<br>Width: 12.01<br>Thickness: 7.55<br>Weight: 4.01  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-38<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 32.84<br>Width: 6.69<br>Thickness: 5.43<br>Weight: 1.61   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: 36-39<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.15<br>Width: 11.85<br>Thickness: 7.36<br>Weight: 3.77   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 36-40<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 39.45<br>Width: 7.44<br>Thickness: 5.20<br>Weight: 2.57  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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|--|---|--|
| Catalog Number: 36-41<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 45.93<br>Width: 11.87<br>Thickness: 8.38<br>Weight: 6.43   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |







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| Catalog Number: 36-42<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.42<br>Width: 6.38<br>Thickness: 4.47<br>Weight: 1.13  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 36-43<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.13<br>Width: 7.87<br>Thickness: 4.43<br>Weight: 1.14   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Present<br>Refinement: Medium  |
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| <b>Comment:</b>  |  |





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| Catalog Number: 36-44<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.21<br>Width: 9.19<br>Thickness: 5.00<br>Weight: 0.80  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 36-45<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 23.24<br>Width: 6.57<br>Thickness: 5.67<br>Weight: 1.41  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


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| Catalog Number: 36-46<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Dented<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 52.39<br>Width: 11.82<br>Thickness: 10.07<br>Weight: 16.31  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>   |  |

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| Catalog Number: 36-47<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Reshaped  | <b>Metric Analysis:</b><br>Length: 65.07<br>Width: 15.56<br>Thickness: 14.09<br>Weight: 26.23  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; justify-content: space-around;">   </div> |  |  |
| <b>Comment:</b>   |  |  |


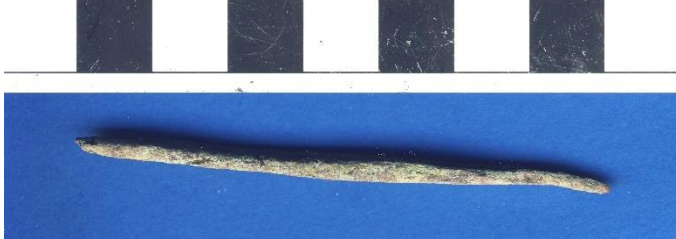
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| Catalog Number: 36-48<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.83<br>Width: 10.85<br>Thickness: 5.44<br>Weight: 1.34   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |





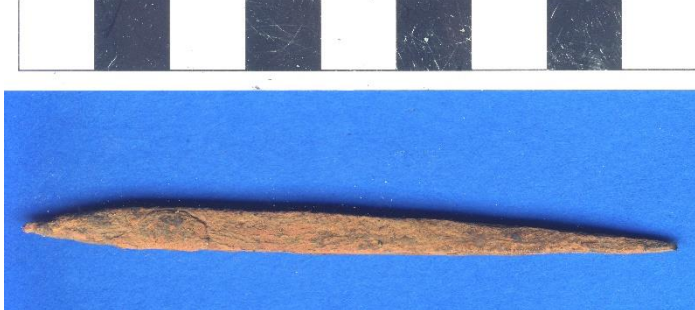

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| Catalog Number: 42-01<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Functional Element Shape: Absent<br>Degree of Curvature: Sub-Triangular<br>Presence of Hafting Element: Rectangular<br>Proximal Shape: Rounded<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 102.15<br>Width: 10.13<br>Thickness: 5.57<br>Weight: 20.98  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
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| <b>Comment:</b>  |  |

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| Catalog Number: 42-02<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Hook<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 77.67<br>Width: 8.00<br>Thickness: 5.49<br>Weight: 12.64   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|   |   |
| <b>Comment:</b>   |   |

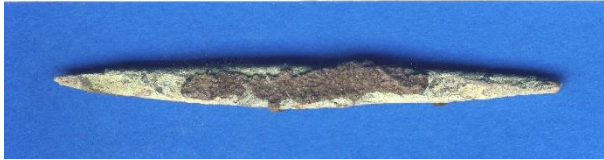



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| Catalog Number: 42-03<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tab<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.01<br>Width: 5.96<br>Thickness: 3.13<br>Weight: 6.00   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: 42-04<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.78<br>Width: 8.68<br>Thickness: 4.30<br>Weight: 8.56   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |



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| Catalog Number: 42-05<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 87.65<br>Width: 5.79<br>Thickness: 3.84<br>Weight: 8.67   |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

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| Catalog Number: 42-06<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 79.13<br>Width: 5.73<br>Thickness: 4.90<br>Weight: 9.27  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |



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| Catalog Number: 42-07<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 67.89<br>Width: 6.03<br>Thickness: 3.73<br>Weight: 4.97  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment</b><br>:  |   |  |

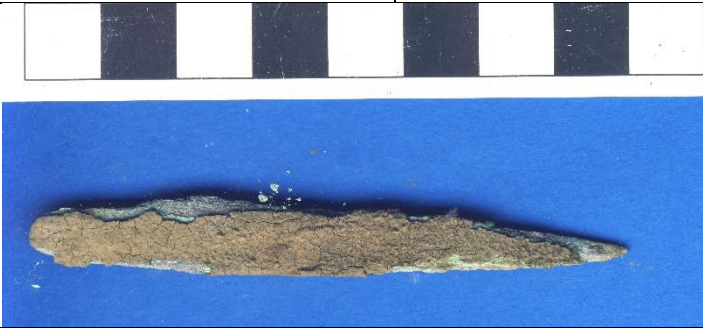




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| Catalog Number: 42-08<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.06<br>Width: 9.19<br>Thickness: 2.11<br>Weight: 2.56  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 42-09<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.17<br>Width: 5.83<br>Thickness: 2.63<br>Weight: 3.61  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment</b><br>:   |   |  |







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|---|---|--|
| Catalog Number: 42-10<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair:    | <b>Metric Analysis:</b><br>Length: 72.58<br>Width: 9.17<br>Thickness: 3.56<br>Weight: 9.03  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
| <div style="display: flex; justify-content: space-around;">   </div> |   |  |
| <b>Comment</b><br>:   |   |  |



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| Catalog Number: 42-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: Present<br>Presence of Hafting Element: Tab<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 79.65<br>Width: 10.35<br>Thickness: 4.82<br>Weight: 10.03  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |




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| Catalog Number: 42-12<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 80.80<br>Width: 10.77<br>Thickness: 3.90<br>Weight: 9.10  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: 42-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use: No<br>Damage: Absent<br>Presence of Repair: N/A<br>Type of Repair: | <b>Metric Analysis:</b><br>Length: 70.85<br>Width: 13.64<br>Thickness: 4.31<br>Weight: 12.31  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 42-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rounded<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 94.20<br>Width: 12.41<br>Thickness: 3.98<br>Weight: 13.65   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: Present<br>Projections: Side Nub<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:  |
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| <b>Comment:</b>  |  |



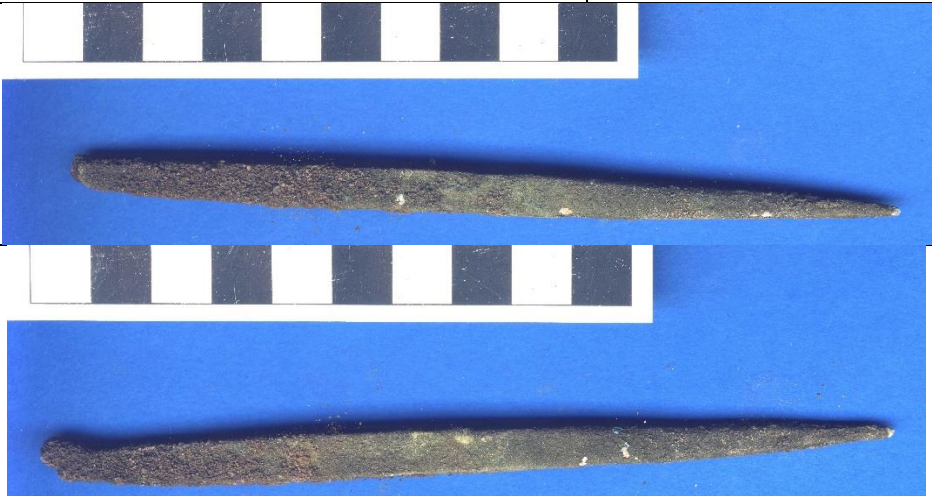
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| Catalog Number: 42-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Gouged<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 80.59<br>Width: 7.81<br>Thickness: 3.38<br>Weight: 9.49  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

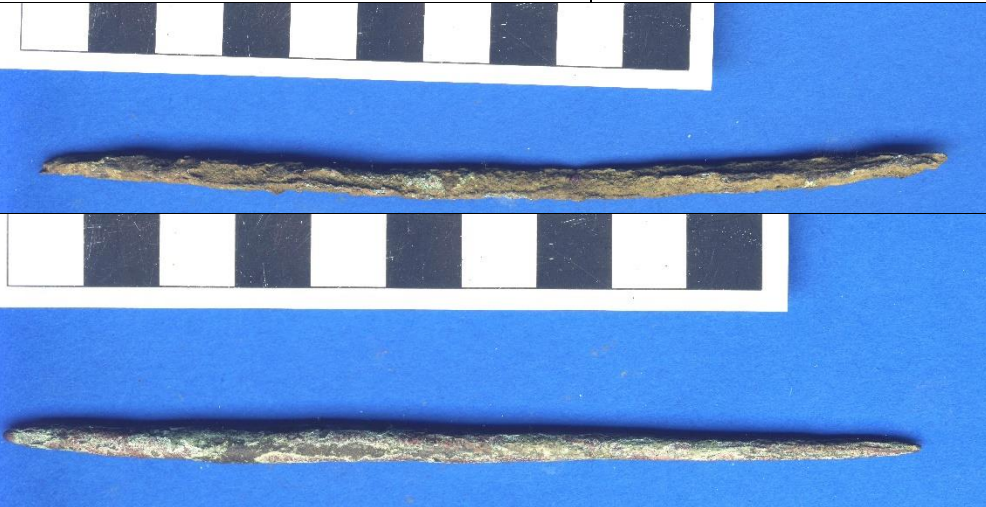
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| Catalog Number: 42-16<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Resharpened | <b>Metric Analysis:</b><br>Length: 93.09<br>Width: 10.72<br>Thickness: 4.33<br>Weight: 15.74  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |





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| Catalog Number: 42-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 73.42<br>Width: 12.71<br>Thickness: 4.63<br>Weight: 10.77  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

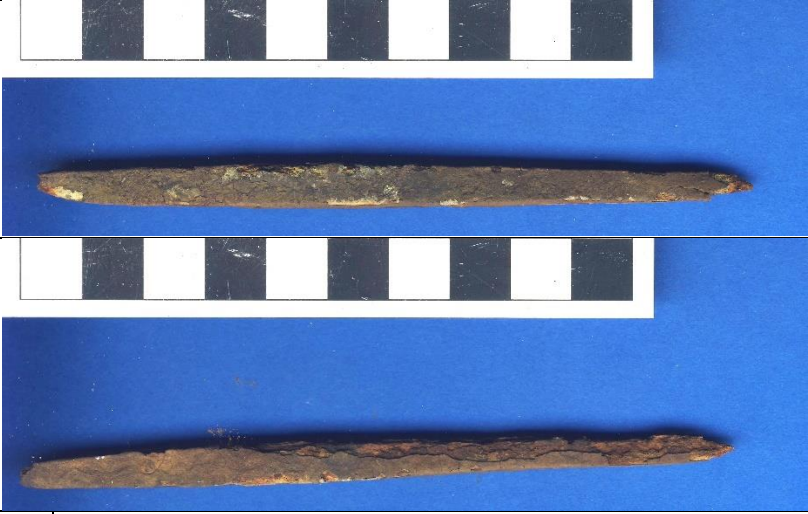
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| Catalog Number: 42-18<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 169.00<br>Width: 6.54<br>Thickness: 5.30<br>Weight: 21.05  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |




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| Catalog Number: 42-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Hook<br>Proximal Shape: Square<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br><br>Length: 143.64<br>Width: 8.49<br>Thickness: 7.46<br>Weight: 37.62  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |
|    |   |
| <b>Comment:</b>  |   |

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|---|---|
| Catalog Number: 42-20<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Partial<br>Portion Present: Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: N/A<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Rod<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Indeterminate<br>Proximal Cross-Section: N/A<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 137.63<br>Width: 4.92<br>Thickness: 3.49<br>Weight: 9.97   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>   |   |



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|--|---|
| Catalog Number: 42-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 123.26<br>Width: 5.15<br>Thickness: 5.15<br>Weight: 11.90  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |







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|--|---|
| Catalog Number: 42-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 118.74<br>Width: 7.19<br>Thickness: 6.98<br>Weight: 22.36  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
|    |   |
| <b>Comment:</b>  |   |



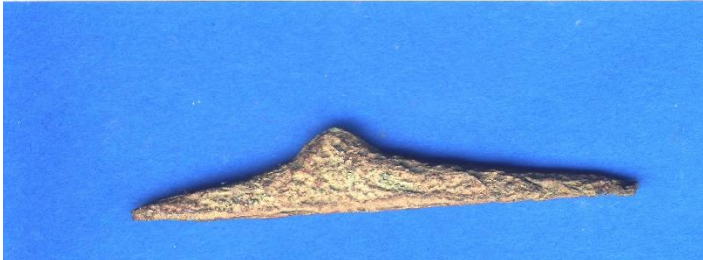
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|--|---|
| Catalog Number: 42-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Split<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 109.08<br>Width: 6.83<br>Thickness: 6.05<br>Weight: 20.87  |
| <b>Use-Damage Image</b><br>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
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| <b>Comment:</b>  | Welding split   |





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| Catalog Number: 42-24<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element: Rectangular<br>Cross-Section: Flared Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Square<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 102.75<br>Width: 6.98<br>Thickness: 6.85<br>Weight: 23.70  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: None<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:  |
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| <b>Comment:</b>  |   |



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|--|---|
| Catalog Number: 42-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Rod<br>Functional Element: N/A<br>Shape: Absent<br>Degree of Curvature: Rod<br>Presence of Hafting: Rectangular<br>Element: Rounded<br>Proximal Shape:<br>Proximal Cross-Section:<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 101.91<br>Width: 5.14<br>Thickness: 3.45<br>Weight: 8.39   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:  |
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| <b>Comment:</b>  |   |



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| Catalog Number: 42-26<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Flat<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod Square<br>Proximal Shape: Flat<br>Proximal Cross-Section: Flat<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Mushroomed<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Mushroomed<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 93.18<br>Width: 5.15<br>Thickness: 5.04<br>Weight: 13.88  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>   |  |

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| Catalog Number: 42-27<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Pointed<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.14<br>Width: 12.61<br>Thickness: 3.93<br>Weight: 9.37  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Present<br>Type of Projection: Side Nub<br>Rivet: Absent<br>Refinement: Refined  |
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| <b>Comment:</b>   |  |

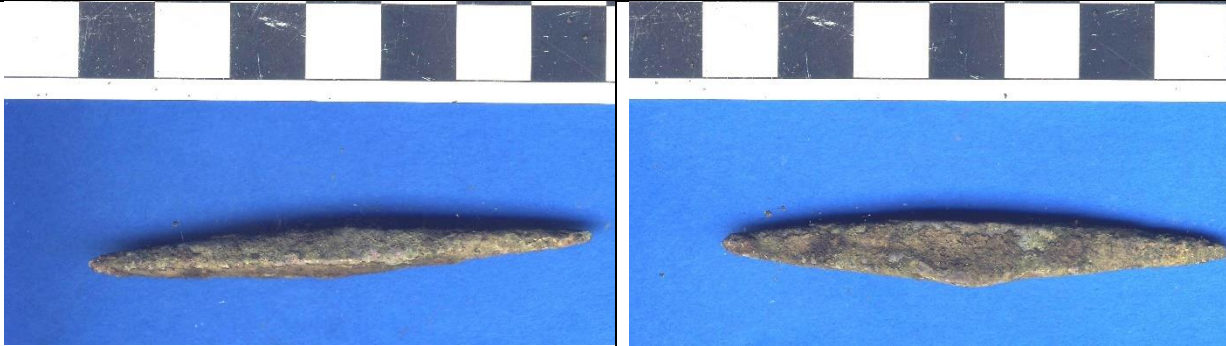
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|--|---|--|
| Catalog Number: 42-28<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.44<br>Width: 12.53<br>Thickness: 3.90<br>Weight: 8.97   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |






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|---|---|--|
| Catalog Number: 42-29<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Notched<br>Medial 2: Notched<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.38<br>Width: 10.61<br>Thickness: 2.73<br>Weight: 7.31   |  |
| <b>Use-Damage Image</b><br>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined   |  |
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| <b>Comment:</b> Intentional notches along both lateral margins on one surface (Ventral or dorsal)   |   |  |



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|--|--|
| Catalog Number: 42-30<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Split<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.75<br>Width: 9.75<br>Thickness: 5.95<br>Weight: 16.46  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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|    |  |
| <b>Comment:</b>  |  |







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|--|---|--|
| Catalog Number: 42-31<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 68.01<br>Width: 9.33<br>Thickness: 5.34<br>Weight: 12.54   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 42-32<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 67.21<br>Width: 7.28<br>Thickness: 5.91<br>Weight: 9.83   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
| <div style="display: flex; align-items: center;">  <div style="flex-grow: 1;"></div> </div>   |  |  |
| <b>Comment:</b> Prox end is nearly an edge?  |  |  |

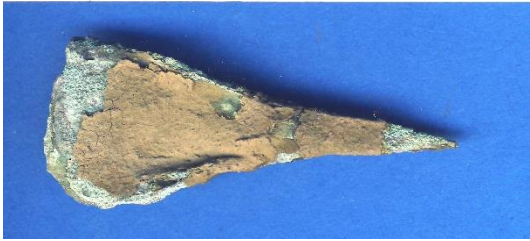

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|--|---|
| Catalog Number: 42-33<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.55<br>Width: 8.94<br>Thickness: 3.25<br>Weight: 4.11  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: 42-34<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Present<br>Type of Repair: Reshaped | <b>Metric Analysis:</b><br>Length: 62.41<br>Width: 7.92<br>Thickness: 4.31<br>Weight: 7.59  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: 42-35<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Absent<br>Presence of Hafting Element: Sub-Triangular<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rounded<br>Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 71.01<br>Width: 9.81<br>Thickness: 2.99<br>Weight: 5.64   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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|    |  |
| <b>Comment:</b>  |  |


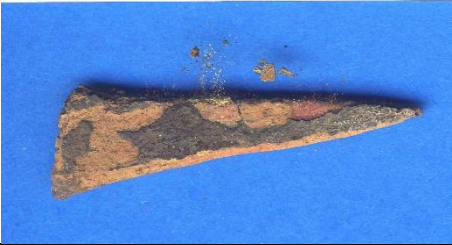
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|---|---|
| Catalog Number: 42-36<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator2<br>Wittry Type: IV-E  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Crescent<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 53.21<br>Width: 14.76<br>Thickness: 2.89<br>Weight: 3.48   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|    |   |
| <b>Comment:</b>   |   |







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|--|--|--|
| Catalog Number: 42-37<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Partial<br>Portion Present: Distal and Medial<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator2<br>Wittry Type: IV-E   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Irregular<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.80<br>Width: 23.17<br>Thickness: 5.39<br>Weight: 6.56  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b> repurposed conical?  |  |  |







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|--|---|--|
| Catalog Number: 42-38<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator2<br>Wittry Type: IV-E   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Crescent<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.85<br>Width: 13.90<br>Thickness: 2.96<br>Weight: 3.46   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: 42-39<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Irregular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.27<br>Width: 15.34<br>Thickness: 3.14<br>Weight: 7.28  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |



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|--|---|
| Catalog Number: 42-40<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 58.56<br>Width: 9.94<br>Thickness: 2.92<br>Weight: 5.05  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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|--|--|
| Catalog Number: 42-41<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Irregular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.73<br>Width: 11.54<br>Thickness: 5.05<br>Weight: 7.09  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

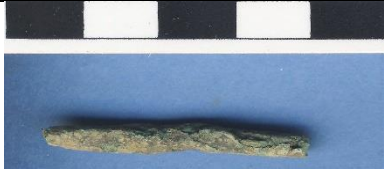

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|--|---|--|
| Catalog Number: N1-1<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator2<br>Wittry Type: IV-E   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Plano-convex<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 36.00<br>Width: 23.91<br>Thickness: 2.77<br>Weight: 4.13   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |


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| Catalog Number: N1-2<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Symmetrical  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Irregular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 34.92<br>Width: 30.28<br>Thickness: 2.74<br>Weight: 8.25  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |






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| Catalog Number: N1-3<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Asymmetrical   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Knife<br>Wittry Type: II  | Distal Morphology: N/A<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Lancet<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Hook<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 46.63<br>Width: 12.01<br>Thickness: 2.04<br>Weight: 4.24  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |  |  |






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|---|---|--|
| Catalog Number: N1-4<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Crushed<br>Proximal 1: None<br>Total for Use-Damage: 3<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.13<br>Width: 4.62<br>Thickness: 3.54<br>Weight: 1.89  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |


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| Catalog Number: N1-5<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Irregular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 35.02<br>Width: 26.15<br>Thickness: 6.10<br>Weight: 14.53   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
| <div style="display: flex; align-items: center;">  </div>   |  |  |
| <b>Comment:</b>  |  |  |

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| Catalog Number: N1-6<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: Irregular<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.84<br>Width: 4.43<br>Thickness: 1.60<br>Weight: 0.30   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: N1-9<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 64.58<br>Width: 7.58<br>Thickness: 4.07<br>Weight: 6.47   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: N1-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 76.07<br>Width: 12.21<br>Thickness: 6.88<br>Weight: 12.36   |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |
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| <b>Comment:</b>  |  |


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| Catalog Number: N1-11<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 29.87<br>Width: 9.50<br>Thickness: 6.14<br>Weight: 3.10   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: N1-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 23.85<br>Width: 13.78<br>Thickness: 3.02<br>Weight: 2.29  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |






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| Catalog Number: N1-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.23<br>Width: 16.64<br>Thickness: 6.10<br>Weight: 4.37  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |



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| Catalog Number: N1-15<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 24.77<br>Width: 12.26<br>Thickness: 2.13<br>Weight: 1.61  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: N1-17<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Irregular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 33.02<br>Width: 7.29<br>Thickness: 2.02<br>Weight: 1.50   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |


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| Catalog Number: N1-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Asymmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: J<br>Degree of Curvature: > 90<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 25.65<br>Width: 5.76<br>Thickness: 1.65<br>Weight: 0.99  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: N1-20<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 43.54<br>Width: 10.06<br>Thickness: 5.59<br>Weight: 8.46  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

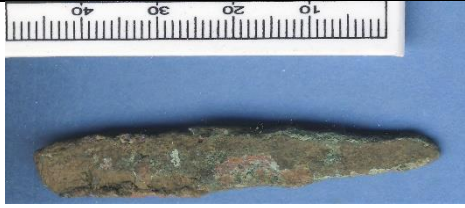

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| Catalog Number: N1-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 20.12<br>Width: 16.15<br>Thickness: 3.24<br>Weight: 3.38  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |



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|--|---|--|
| Catalog Number: N1-23<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 75.63<br>Width: 9.50<br>Thickness: 2.62<br>Weight: 5.69  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


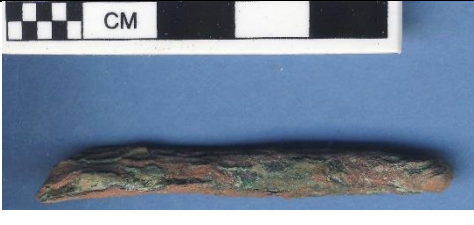


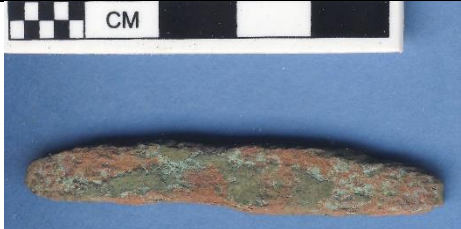
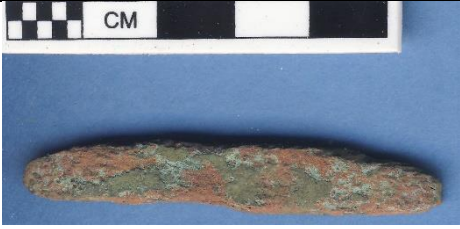
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|---|---|
| Catalog Number: N1-24<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Asymmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Hook<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 120.72<br>Width: 4.57<br>Thickness: 3.29<br>Weight: 9.27   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>   |   |

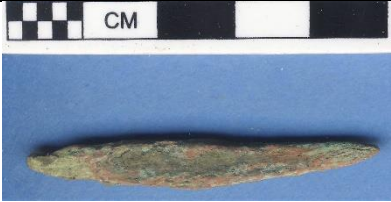
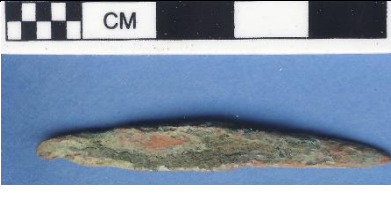
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|---|---|
| Catalog Number: N1-25<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Projectile Point<br>Wittry Type: I-L/N/O   | Distal Morphology: Pointed<br>Functional Element: Rectangular<br>Cross-Section: Sub-Triangular<br>Functional Element Shape: N/A<br>Degree of Curvature: Present<br>Presence of Hafting Element: Socket Angular<br>Proximal Shape: Rounded<br>Proximal Cross-Section: Proximal Morphology: |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 126.39<br>Width: 11.37<br>Thickness: 6.20<br>Weight: 11.68   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Refined<br>Refinement:   |
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| <b>Comment:</b>   |   |

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| Catalog Number: N2-1<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Indeterminate<br>Symmetry: Indeterminate   |  |
| Completeness: Partial<br>Portion Present: Proximal and Medial<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:   | Distal Morphology: N/A<br>Functional Element Cross-Section: N/A<br>Functional Element Shape: N/A<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Angular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.57<br>Width: 8.74<br>Thickness: 4.55<br>Weight: 7.16   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |



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|---|---|--|
| Catalog Number: N2-2<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.27<br>Width: 5.84<br>Thickness: 4.88<br>Weight: 3.60  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

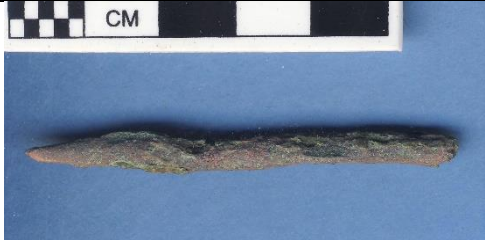

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|---|---|--|
| Catalog Number: N2-3<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:  | Distal Morphology: Flat<br>Functional Element Cross-Section: Concave-convex<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: Worn<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.07<br>Width: 9.02<br>Thickness: 5.01<br>Weight: 8.39  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |


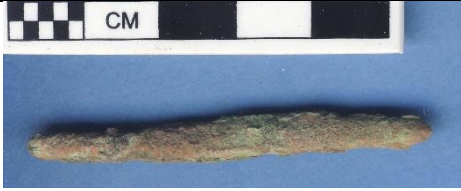
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| Catalog Number: N2-4<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 55.97<br>Width: 9.21<br>Thickness: 4.41<br>Weight: 10.82  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |  |  |



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|---|---|--|
| Catalog Number: N2-5<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 47.01<br>Width: 6.62<br>Thickness: 3.19<br>Weight: 3.48  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

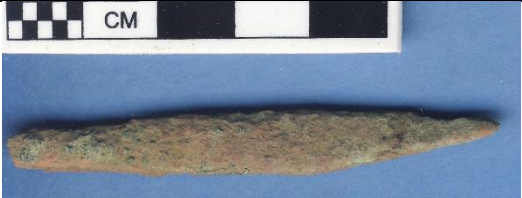




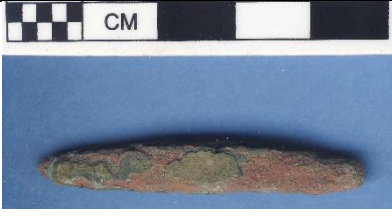
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| Catalog Number: N2-6<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Chisel<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.20<br>Width: 6.95<br>Thickness: 3.34<br>Weight: 5.34   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: Beveled<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Refined  |  |
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| <b>Comment:</b>  |  |  |



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|---|---|--|
| Catalog Number: N2-7<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: Bend<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.34<br>Width: 4.62<br>Thickness: 3.53<br>Weight: 4.26  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

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| Catalog Number: N2-8<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.97<br>Width: 5.81<br>Thickness: 4.00<br>Weight: 4.80  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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|---|---|--|
| Catalog Number: N2-9<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.93<br>Width: 4.80<br>Thickness: 3.90<br>Weight: 2.83  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |



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| Catalog Number: N2-10<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 65.50<br>Width: 8.66<br>Thickness: 3.60<br>Weight: 6.53  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

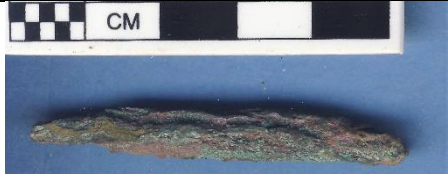
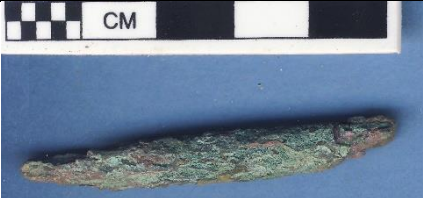
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|---|---|--|
| Catalog Number: N2-11<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Bend<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.69<br>Width: 6.79<br>Thickness: 5.22<br>Weight: 6.79  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

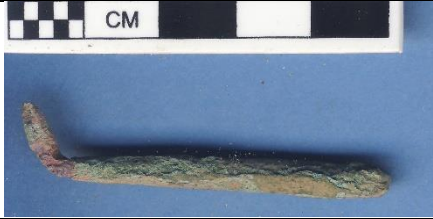
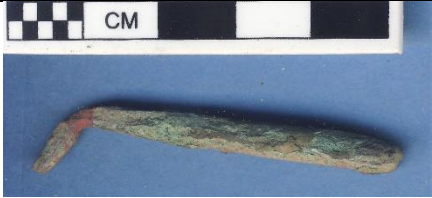
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|---|---|--|
| Catalog Number: N2-12<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Blunt<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Billet<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Indeterminate<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Pointed |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Lipped<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.39<br>Width: 16.19<br>Thickness: 8.79<br>Weight: 17.46  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>   |   |  |

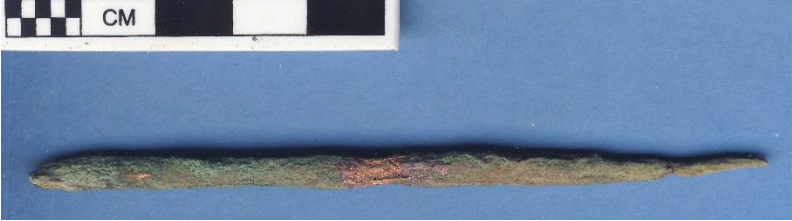





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| Catalog Number: N2-13<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 54.06<br>Width: 6.97<br>Thickness: 4.03<br>Weight: 6.91  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: N2-14<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Manufacturing Debris<br>Symmetry: Indeterminate  |
| Completeness: Partial<br>Portion Present: Indeterminate<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: N/A<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Semi-Circular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: N/A<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 72.88<br>Width: 17.84<br>Thickness: 2.06<br>Weight: 8.93  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |
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| <b>Comment:</b>  |  |

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|---|---|--|
| Catalog Number: N2-15<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.65<br>Width: 6.70<br>Thickness: 6.19<br>Weight: 7.46  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

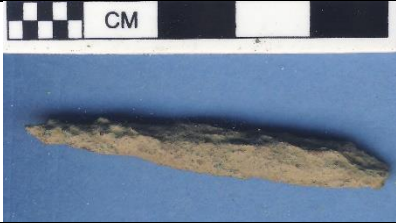

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|---|---|--|
| Catalog Number: N2-16<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 49.91<br>Width: 5.56<br>Thickness: 4.70<br>Weight: 4.84  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |

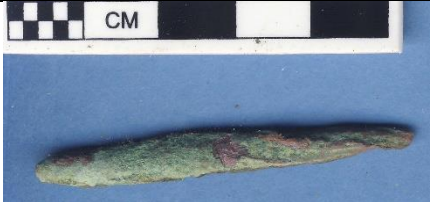
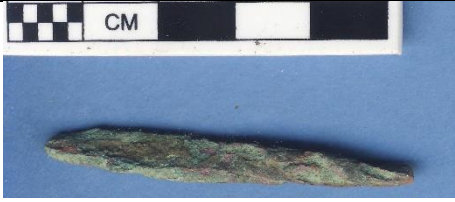
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| Catalog Number: N2-17<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: N/A<br>Degree of Curvature: Absent<br>Presence of Hafting Element: Rod<br>Proximal Shape: Rounded<br>Proximal Cross-Section: Square<br>Proximal Morphology: Square |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Present<br>Type of Repair: Restraighten | <b>Metric Analysis:</b><br>Length: 99.95<br>Width: 4.80<br>Thickness: 3.37<br>Weight: 7.85   |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: Absent<br>Projections: N/A<br>Type of Projection: Absent<br>Rivet: Medium<br>Refinement:   |
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| <b>Comment:</b>   |  |

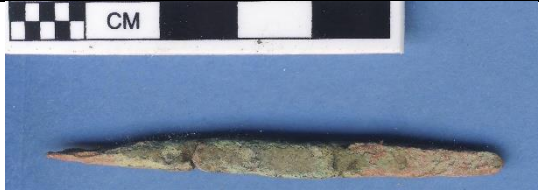

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| Catalog Number: N2-18<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Bead<br>Wittry Type:  | Distal Morphology: Flat<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 17.55<br>Width: 6.58<br>Thickness: 5.67<br>Weight: 1.68   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
|   |    |  |
| <b>Comment:</b>  |  |  |

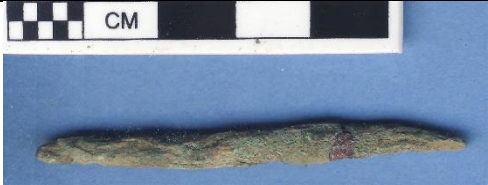
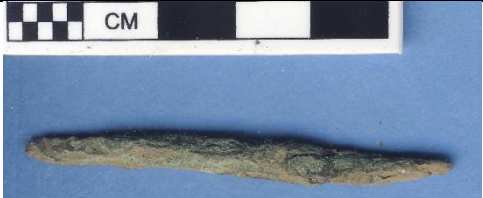
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| Catalog Number: N2-19<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Effigy Point<br>Witty Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Sheet<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Tab<br>Proximal Cross-Section: Sheet<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 31.85<br>Width: 13.73<br>Thickness: 2.37<br>Weight: 2.52   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

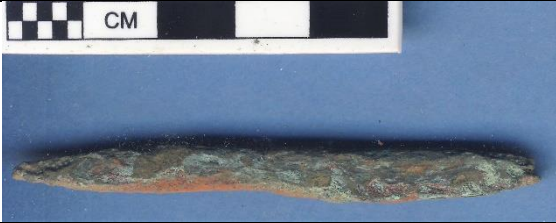
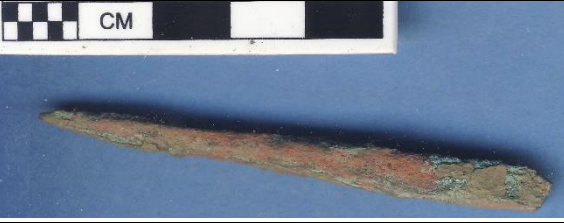




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| Catalog Number: N2-20<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 48.30<br>Width: 7.26<br>Thickness: 5.88<br>Weight: 6.06  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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| Catalog Number: N2-21<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Reamer<br>Wittry Type:   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Spiral<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.11<br>Width: 6.11<br>Thickness: 3.13<br>Weight: 3.95   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>  |  |  |

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| Catalog Number: N2-22<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 60.90<br>Width: 4.80<br>Thickness: 4.79<br>Weight: 5.58  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |


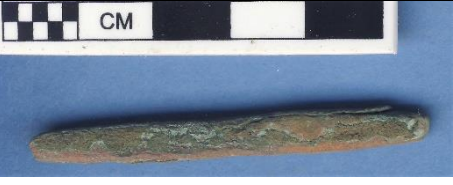
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|---|---|--|
| Catalog Number: N2-23<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Very Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: Bend<br>Medial 1: Bend<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 57.46<br>Width: 5.58<br>Thickness: 3.52<br>Weight: 3.47  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>   |   |  |



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|---|--|--|
| Catalog Number: N2-24<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Bend<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 70.20<br>Width: 7.32<br>Thickness: 5.45<br>Weight: 10.97  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
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| <b>Comment:</b>   |  |  |

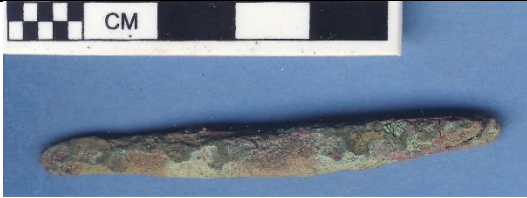
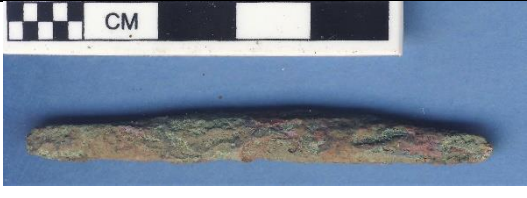
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| Catalog Number: N2-25<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Sub-Triangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Sub-Triangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 37.46<br>Width: 7.13<br>Thickness: 4.94<br>Weight: 5.55  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |


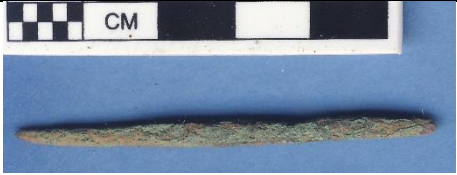
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| Catalog Number: N2-26<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Bladed<br>Symmetry: Indeterminate  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Spud<br>Wittry Type: V   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Present<br>Proximal Shape: Socket<br>Proximal Cross-Section: Round<br>Proximal Morphology: Flat |  |
| <b>Use-Damage Analysis</b><br>Distal 1: Rounded<br>Distal 2: Bend<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 2<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 44.60<br>Width: 18.76<br>Thickness: 2.96<br>Weight: 13.86   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 1<br>Edge Modification: None<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |  |  |







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|--|---|--|
| Catalog Number: N2-28<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.84<br>Width: 5.66<br>Thickness: 4.58<br>Weight: 7.05  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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|--|--|--|
| Catalog Number: N2-29<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Indeterminate<br>Symmetry: Symmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Plummet<br>Wittry Type:  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rectangular<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 50.08<br>Width: 15.95<br>Thickness: 12.15<br>Weight: 30.14  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium   |  |
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| <b>Comment:</b>  |  |  |

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|--|---|--|
| Catalog Number: N2-30<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Rectangular<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 62.54<br>Width: 6.43<br>Thickness: 5.55<br>Weight: 8.40  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |



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|--|---|--|
| Catalog Number: N2-31<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Round<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.44<br>Width: 3.21<br>Thickness: 3.37<br>Weight: 2.40  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|   |   |  |
| <b>Comment:</b>  |   |  |

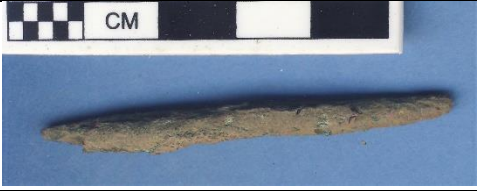
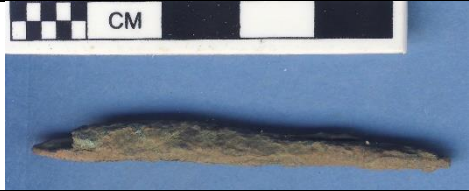
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| Catalog Number: N2-32<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Bead<br>Wittry Type:   | Distal Morphology: Flat<br>Functional Element Cross-Section: Angular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 26.88<br>Width: 5.96<br>Thickness: 5.22<br>Weight: 1.77   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b>  |  |  |

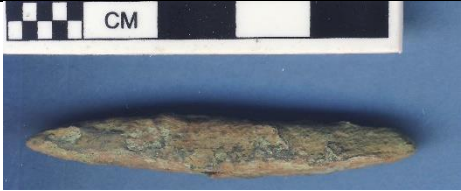
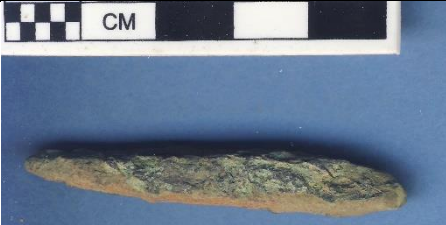
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|---|---|--|
| Catalog Number: N2-33<br>Provenience: Lake Nokomis  | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Flared Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Lipped<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 38.30<br>Width: 5.50<br>Thickness: 4.58<br>Weight: 3.83  |  |
| <b>Use-Damage Image</b>   | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
|    |   |  |
| <b>Comment:</b>   |   |  |



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| Catalog Number: N2-34<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Diamond<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 53.21<br>Width: 16.51<br>Thickness: 6.26<br>Weight: 22.90  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |
|   |   |
| <b>Comment:</b>  |   |





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| Catalog Number: N2-35<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV   | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: Crushed<br>Total for Use-Damage: 1<br>Presence of Use Damage: Yes<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 41.68<br>Width: 6.87<br>Thickness: 6.73<br>Weight: 8.95  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |
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| <b>Comment:</b>  |   |

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| Catalog Number: N2-36<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Round<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 56.00<br>Width: 5.58<br>Thickness: 5.37<br>Weight: 5.65  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: N2-37<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Pointed<br>Symmetry: Symmetrical  |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Perforator<br>Wittry Type: IV  | Distal Morphology: Pointed<br>Functional Element Cross-Section: Square<br>Functional Element Shape: Rod<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: Rod<br>Proximal Cross-Section: Square<br>Proximal Morphology: Rounded |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 52.23<br>Width: 8.39<br>Thickness: 7.92<br>Weight: 13.36   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Medium  |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: N2-38<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Preform<br>Symmetry: Asymmetrical   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Heavy<br><br>Morpho-Functional Type: Unknown<br>Wittry Type:  | Distal Morphology: Rounded<br>Functional Element Cross-Section: Rectangular<br>Functional Element Shape: Irregular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 61.46<br>Width: 13.89<br>Thickness: 5.70<br>Weight: 22.88  |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 1<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude   |  |
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| <b>Comment:</b>  |   |  |

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| Catalog Number: N2-39<br>Provenience: Lake Nokomis   | <b>Morphological Analysis</b><br>Basic Tool Form: Non-Utilitarian<br>Symmetry: Indeterminate   |  |
| Completeness: Whole<br>Portion Present: All<br>Degree of Patination: Medium<br><br>Morpho-Functional Type: Bead<br>Wittry Type:  | Distal Morphology: Flat<br>Functional Element Cross-Section: Angular<br>Functional Element Shape: Rectangular<br>Degree of Curvature: N/A<br>Presence of Hafting Element: Absent<br>Proximal Shape: N/A<br>Proximal Cross-Section: N/A<br>Proximal Morphology: N/A |  |
| <b>Use-Damage Analysis</b><br>Distal 1: None<br>Distal 2: None<br>Medial 1: None<br>Medial 2: None<br>Proximal 1: None<br>Total for Use-Damage: 0<br>Presence of Use Damage: No<br>Presence of Repair: Absent<br>Type of Repair: N/A | <b>Metric Analysis:</b><br>Length: 17.35<br>Width: 7.76<br>Thickness: 2.71<br>Weight: 0.79   |  |
| <b>Use-Damage Image</b>  | <b>Miscellaneous</b><br>Number of Functional Units: 0<br>Number of Edges: 0<br>Edge Modification: N/A<br>Projections: Absent<br>Type of Projection: N/A<br>Rivet: Absent<br>Refinement: Crude  |  |
|   |    |  |
| <b>Comment:</b>  |  |  |