May 2022

Mass Transport of Uranium During Recharge of Surface Water to Contaminated Groundwater

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MASS TRANSPORT OF URANIUM DURING RECHARGE OF SURFACE WATER TO CONTAMINATED GROUNDWATER

by

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A Thesis Submitted in

Partial Fulfillment of the

Requirements for the Degree of

Master of Science

in Geosciences

at

The University of Wisconsin-Milwaukee

May 2022

ABSTRACT

MASS TRANSPORT OF URANIUM DURING RECHARGE OF SURFACE WATER TO CONTAMINATED GROUNDWATER

by

Kendyl N. Hoss

The University of Wisconsin-Milwaukee, 2022
Under the Supervision of Dr. Charles J. Paradis

This study characterized the predominant mass transport mechanisms of uranium during river water recharge to contaminated groundwater to better characterize its mobility. It was hypothesized that the mass transfer of uranium from the solid phase to the aqueous phase was occurring during periods of river water to groundwater recharge via concentration-driven desorption. Sediment data confirmed the presence of uranium on the solid phase via nitric acid extraction. The recharge of river water to the saturated zone of a uranium-contaminated aquifer was simulated in a multi-well tracer test. The injection fluid was Little Wind River water and was traced with added solutes that included a halide and a benzoate to characterize the mass transport mechanisms of uranium. The sampling fluid was a river water/groundwater mix and was analyzed for uranium and artificial and natural tracers. The tracer results suggested that matrix diffusion was likely negligible as evident by the nearly identical breakthrough curves of the halide and benzoate. The measured concentrations of uranium did not exceed the expected concentrations of uranium, resulting in a recovery factor of nearly one; this suggested that the recharge of river water to groundwater did not mobilize uranium. However, the data indicated

that redox reactions did occur, specifically, manganese (Mn(II)) and ferrous iron (Fe(II)) were oxidized by oxygen (O_2), resulting in recovery factors substantially less than one. These results suggested that reduced species of uranium, such as uraninite (UO_2), were likely not present in the saturated aquifer materials because oxidation of U(IV) by O_2 is thermodynamically favorable as compared to Fe(II) and Mn(II). Therefore, both matrix diffusion and oxidative dissolution were ruled out as potential mass transport mechanisms of uranium. Thus, the most likely mass transport mechanism of uranium from the solid phase to aqueous phase is desorption, yet this process appears to not be concentration driven. Therefore, it is conceivable that other factors, such as pH, play an important role in the desorption of uranium.

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ACKNOWLEDGMENTS

First and foremost, I want to thank my advisor, Dr. Charles Paradis, for his continued support and for acknowledging my potential to make a contribution to the field of hydrogeology. Additionally, I would like to thank my committee members, Drs. Raymond Johnson, and Martin Dangelmayr for offering very helpful knowledge and strategies for research and writing. Thanks to Aaron Tigar for his tremendous help and guidance out in the field. Lastly, I thank my lab members, Rakiba Sultana, Cullen Meurer, and Jiyan Hatami for their help and support.

Chapter 1: Introduction

1.1 Uranium

The contaminant of concern in this study is uranium. Uranium is naturally occurring in the Earth's crust, is toxic in drinking water as a heavy metal, and is radioactive (U.S. EPA, 2002). This project is focused on uranium in groundwater. Human activities, such as the mining, milling, and disposal of uranium, and geochemical processes, such as dissolution and desorption, may contribute to uranium-contaminated groundwater. Therefore, it is important to understand the geochemical behavior of uranium to better predict its mobility in groundwater.

Uranium is a redox-sensitive contaminant and is relatively soluble under oxic conditions and relatively insoluble under anoxic conditions, i.e., the presence of oxygen greatly increases its mobility (Coyte, 2020). Under oxic conditions, uranium is typically in its plus six oxidation state as U(VI). Under reducing conditions, uranium is typically in its plus four oxidation state as U(IV) (Fig. 1.1). Under strongly reducing conditions, uranium can also precipitate as the mineral uraninite (UO_2). Uranium is also an alkalinity-sensitive contaminant and can desorb from the solid phase to the aqueous phase under alkaline conditions, i.e., the presence of carbonates greatly increases its mobility. Specifically, the presence of calcite can provide a supply of calcium and carbonate to water that supports the formation of a ternary uranyl aqueous species ($Ca_2UO_2(CO_3)_3^0$) and thus will compete with surface sites for the complexation of U(VI) (Dong et al., 2005). It is important to note that even under oxic conditions, U(VI) can be sorbed to the solid phase by interactions with organic carbon and/or oxide-bearing minerals, thus decreasing its mobility in groundwater. When analyzing uranium transport, it is important to understand the geochemistry of both the aqueous and solid phases.

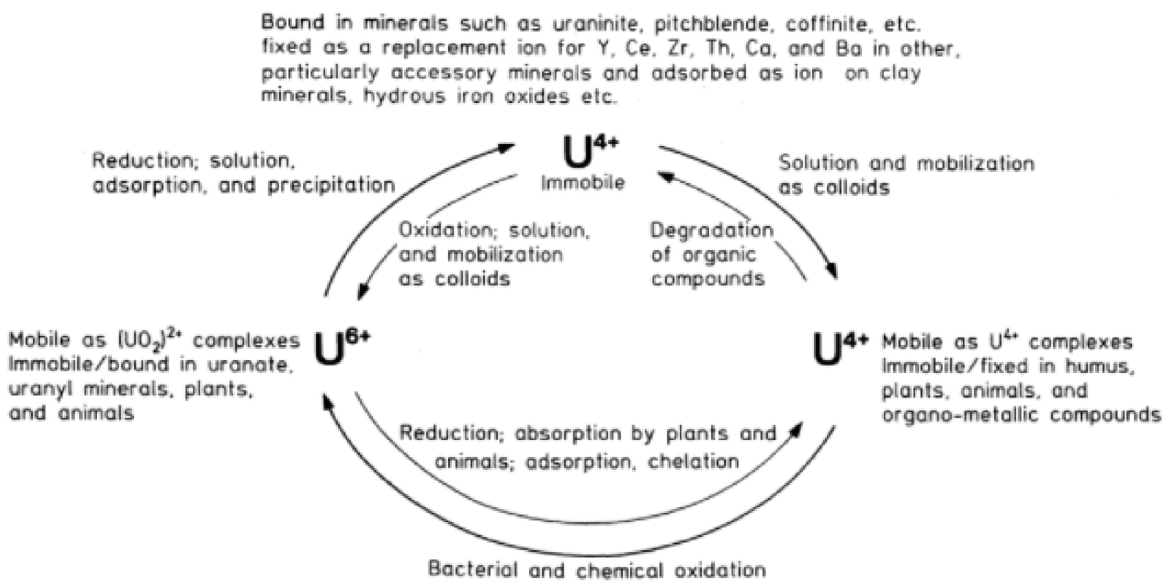

Figure 1.1 General cycle of U^{4+} and U^{6+} interchanged in nature (Dahlkamp, 1993)

1.2 Groundwater-Surface Water Interactions

In addition to geochemical conditions, uranium mobility in groundwater can be sensitive to recharge from nearby surface water, often in the form of river water (Fig. 1.2). These interactions occur through the loss of surface water to groundwater, discharge of groundwater to a body of surface water, or a mixture of both (Fig. 1.2). There are different ranges of scales of groundwater-surface water interactions, of which there are two main interactions: large-scale and local-scale interactions. The focus of our study is on a local-scale groundwater-surface water interaction; specifically, where the river water during a flood event is stored in the banks and floodplain sediments (Fig 1.2). It is very important to note that when flood events occur, the seepage/infiltration of the river/surface water into the underlying sediments can increase the residence time of water held within the ground thus increasing the interaction of water with any

minerals and organics. This can lead to changes in the quality of groundwater and the potential decrease or increase of pollutants (Khan and Khan, 2019).

A recent field tracer study by Paradis et al. (2020) showed that recharge of uranium-poor river water to nearby uranium-rich groundwater increased the mobility of uranium, likely due to dissolution and/or desorption. However, the mass transport mechanisms of uranium in groundwater during recharge with river water are still poorly understood and further tracer studies at multiple sites with various hydrogeological characteristics are needed.

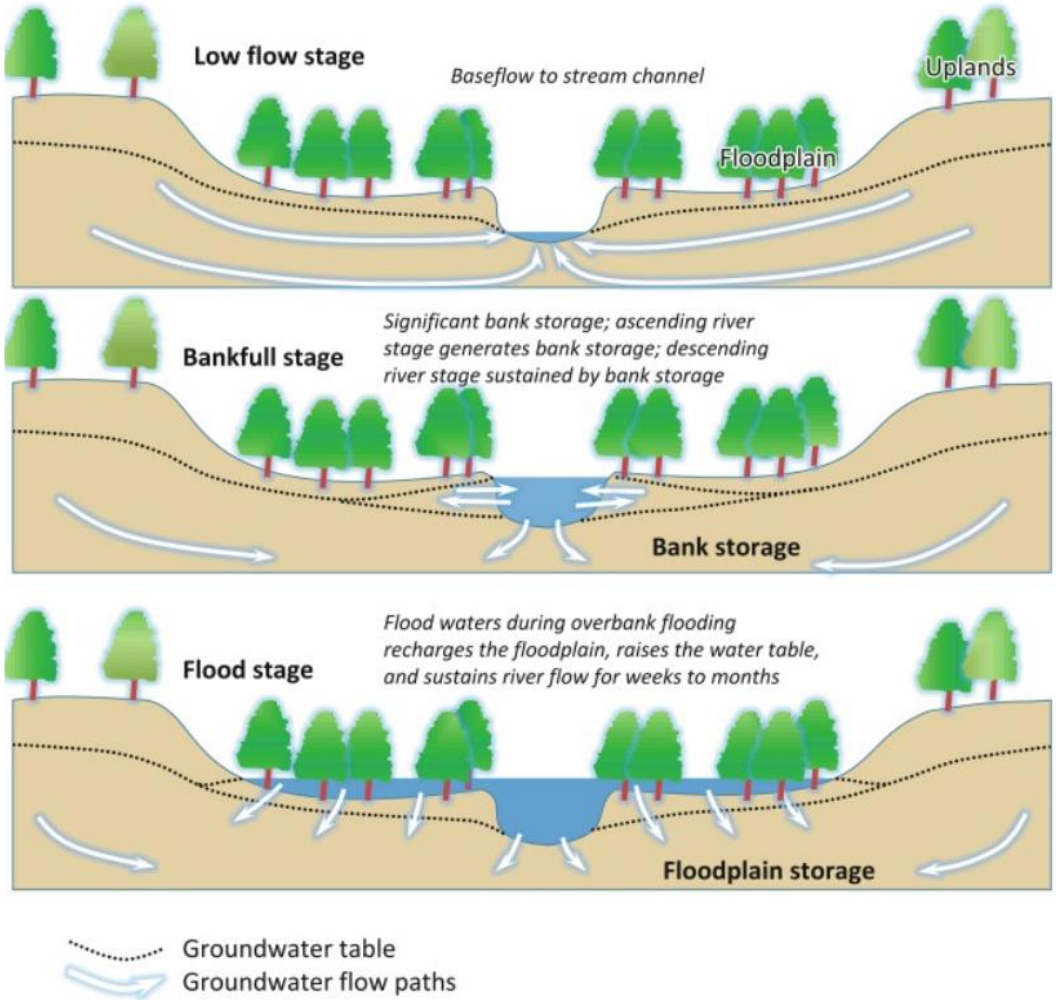

Figure 1.2 Interactions of surface water and groundwater at the floodplain scale (Khan and Khan, 2019)

1.3 Mass Transport Mechanisms

The recharge of river water to uranium-contaminated groundwater can have a large impact on uranium mobility. There are five possible mechanisms that may influence uranium mobility in groundwater and its potential release from the solid phase. They are as follows: (1) advection, (2) dispersion, (3) desorption, (4) dissolution, and (5) matrix diffusion. Advective transport is the transfer of a solute by the bulk motion of groundwater. Dispersion is the net spreading of the solute from its expected pathway corresponding to the advective hydraulics of the flowing groundwater (Freeze and Cherry, 1979). Desorption is the release of an adsorbed species from a solid surface to an aqueous solution. Dissolution is the process when water come into contact with a soluble mineral, the mineral begins to dissolve and continues until equilibrium concentrations between the solute and the mineral are achieved. Matrix diffusion is the movement of dissolved solutes from flowing fractures into and out of immobile pores of nearby rock matrix by molecular diffusion (NRC, 1998) (Fig. 1.3).

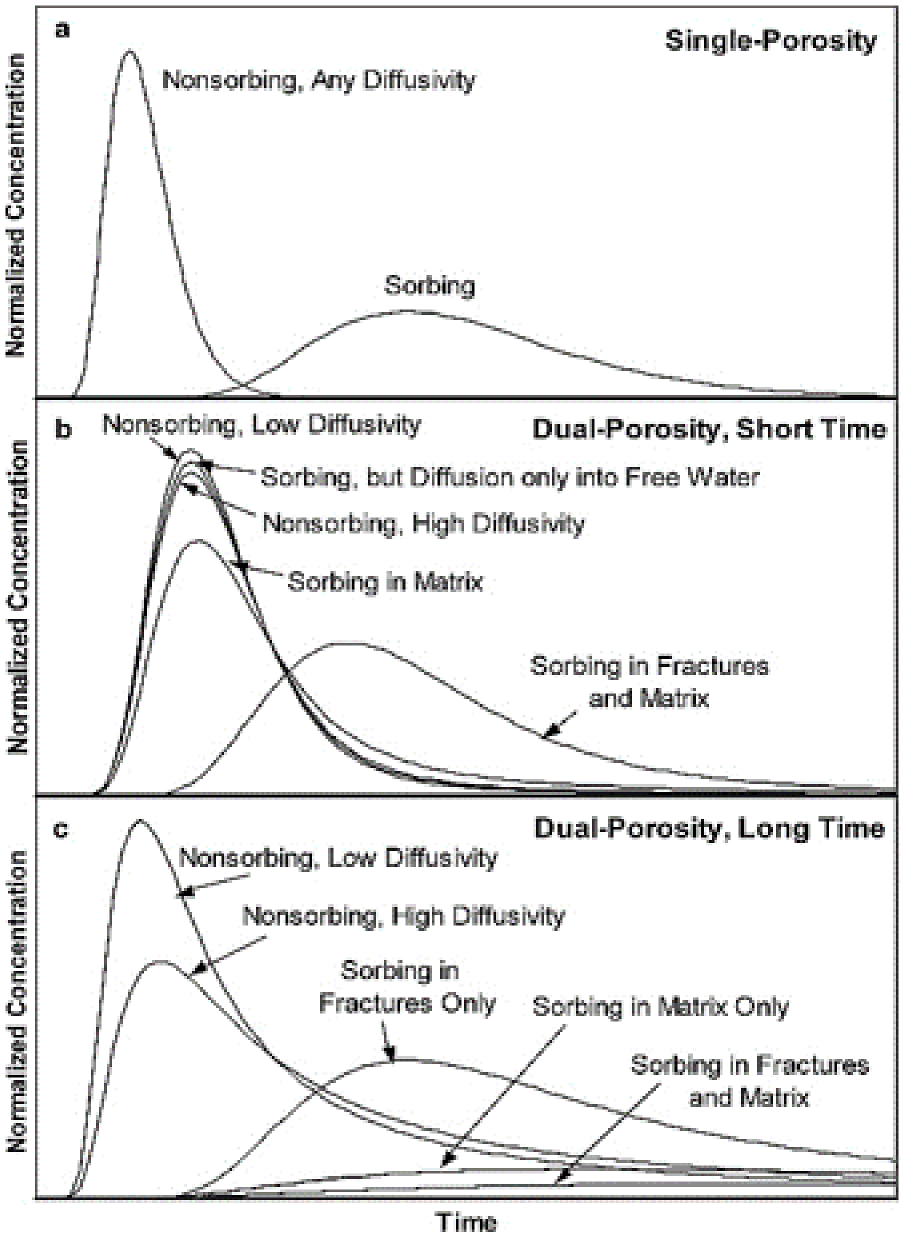

Figure 1.3 Modeled breakthrough curves of tracers with different physical and chemical properties shown in two different systems, single-porosity and dual-porosity (Reimus, 2003).

1.4 Redox Reactions

Oxidation-reduction (redox) conditions of groundwater can have great effects on the quality of groundwater (USGS, 2019). They can greatly affect the mobility of several

contaminants in groundwater. These conditions inform whether chemical elements are released from aquifer sediments into the groundwater, if they react with other elements, or break down into other elements (USGS, 2019). Redox reactions occur by the exchange of electrons between reactive elements. Specifically, oxidation results when an oxidizing agent accepts electrons (therefore reduced). Likewise, reduction results when a reducing agent donates electrons (therefore oxidized) (Grundl et al., 2011). An oxidation-reduction ladder (redox ladder) is an illustration displaying redox couples as a ladder where the most energetically favorable electron acceptor is at the top (O_2) and the least is at the bottom (CO_2) (Fig. 1.4).

Moreover, it is important to introduce how redox reactions can affect uranium mobility. When U(IV) encounters oxygen, it oxidizes into U(VI) which forms uranyl (UO_2^{2+}) in solution. Uranium mobility increases upon the formation of uranyl carbonate complexes, such as UO_2^{2+} to $UO_2(CO_3)_2^{2-}$(Fig. 1.4).

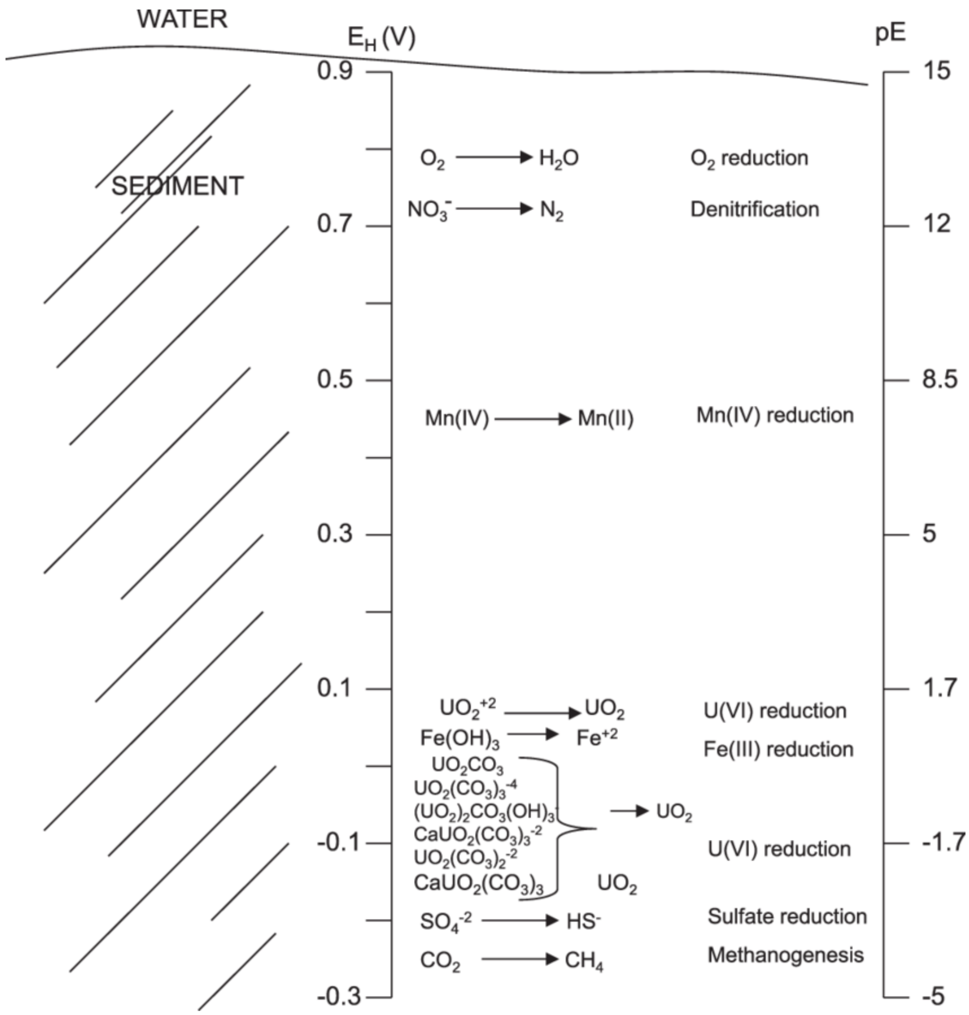

Figure 1.4 Redox ladder illustrating oxidation-reduction couples along a ladder with most energetically favorable reaction at the top and least at the bottom (Singh, 2013)

1.5 Solute-added Tracers

Tracer experiments are the gold standard to characterize the fate and transport of reactive solutes in groundwater. Tracers are also used to simply track the water movement through a system, such as the direction of flow, flow velocity, and the properties of flow matrix, i.e., hydraulic conductivity and porosity. Tracers can be natural or pre-existing in the aquifer, artificial or added to the system, or anthropogenic. Field tracer studies are unique in that they

capture the inherent heterogeneity of hydrological systems under transient conditions and provide high-quality data to better inform predictive models of uranium concentrations.

Halides and benzoates can be used as nonreactive (conservative) tracers to characterize reactive mass transport mechanisms. The behavior of halides and benzoates allow for a better understanding for how a non-reactive solute behaves. This better informs the behavior of reactive solutes, e.g., uranium, that deviates from conservative tracer behavior (Fig. 1.5), like halides and benzoates.

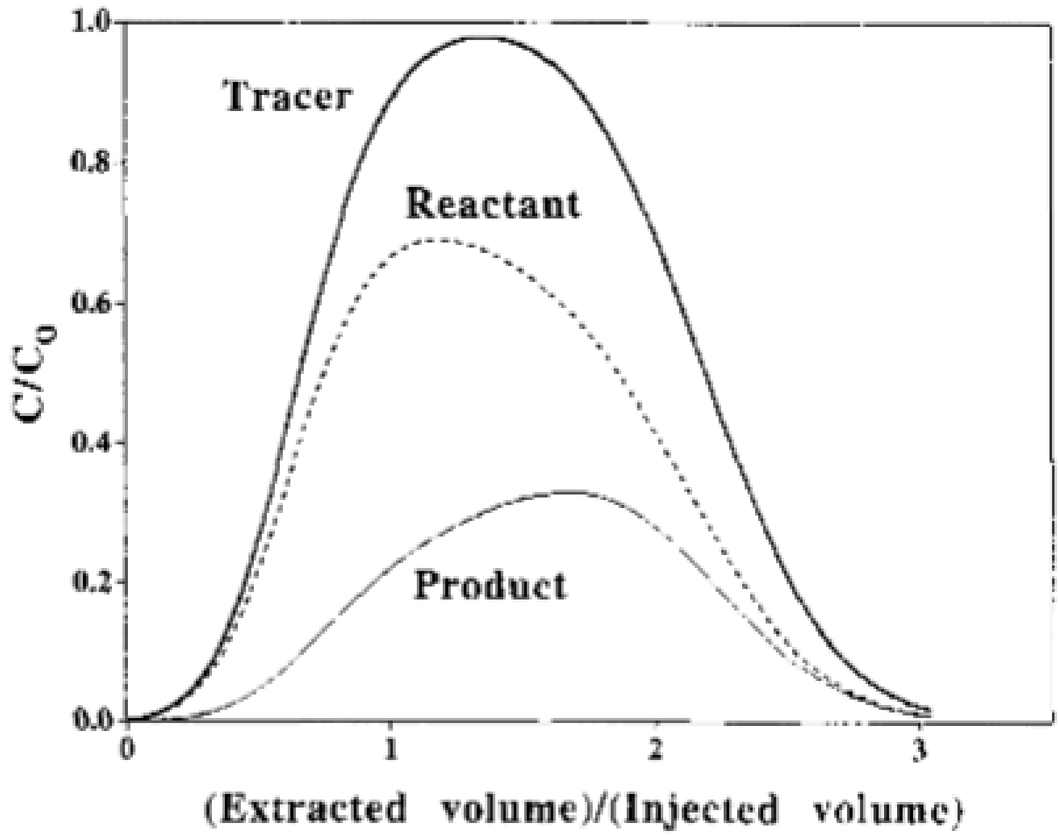

Figure 1.5 Figurative breakthrough curve for conservative tracer, reactive tracer, and product formed in situ (Istok, 1997).

Two artificial tracers, sodium iodide and potassium pentafluorobenzoate, were used to trace the movement of river water when injected into groundwater to determine if any of the

uranium-specific mass transport mechanisms are applicable or negligible. Iodide acts as a conservative tracer and has been conventionally used to characterize non-reactive mass transport, e.g., advection and dispersion (Paradis et al., 2020). Pentafluorobenzoate is also a conservative tracer but has a much lower aqueous diffusion coefficient than iodide, e.g., nearly three times lower (Reimus, 2003).

Chapter 2: Field Tracer Experiments of River Water to Groundwater Recharge to Characterize Mass Transport of Uranium

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2.1 Introduction

2.1.1 Study Site

This study site is in Riverton, Wyoming (Fig 2.1). A detailed history of the site activities and its hydrogeology was provided by Dam et al. (2015). In brief, a uranium milling site operated in Riverton from 1958 to 1963 and the deposition of uranium tailings resulted in the contamination of the shallow unconfined groundwater aquifer.

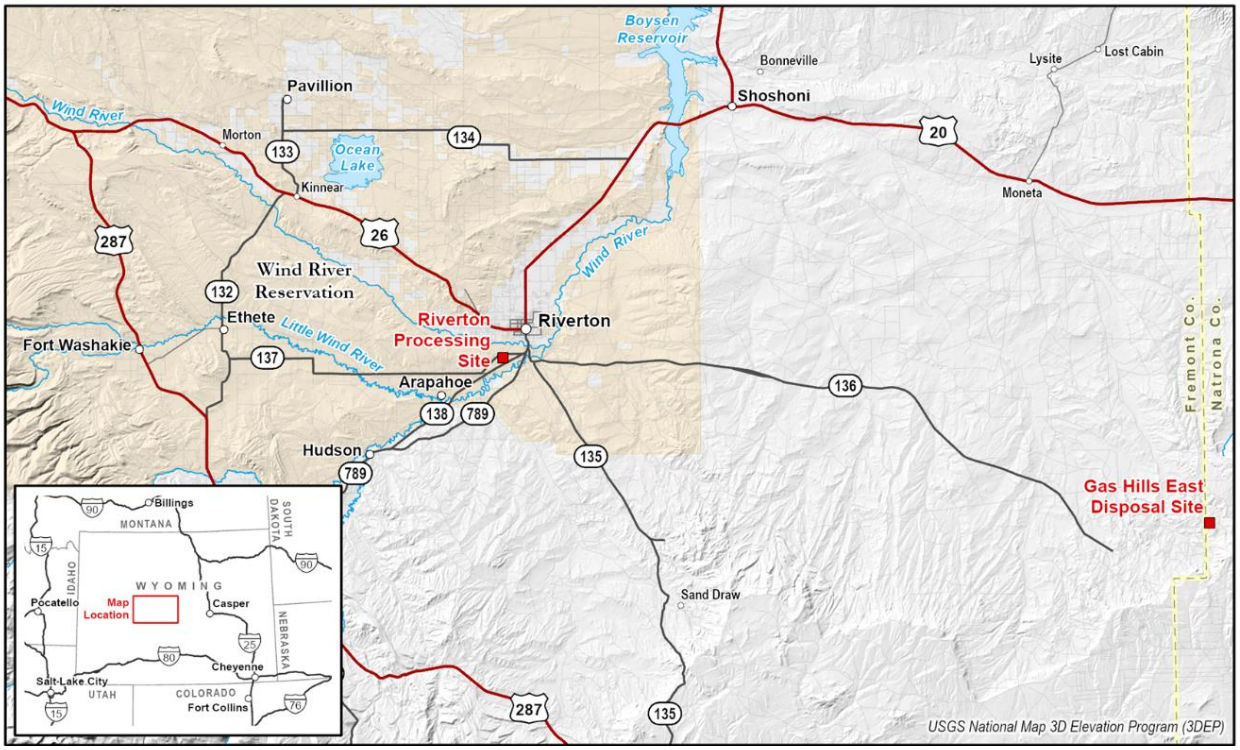

Figure 2.1 Riverton, Wyoming Processing Site from 2015 Advanced Site Investigation and Monitoring Report Riverton, Wyoming, Processing Site (DOE, 2016)

Although the Riverton site has been remediated and monitored since the 1990s by the Department of Energy (DOE), the former uranium mill site remains an environmental responsibility. Throughout those years of monitoring the site, groundwater models have predicted that natural flushing of uranium would reduce its levels below standard limits,

dropping at a steady state, by the year 2098 (Dam, et al. 2015). However, in June of 2010, a precipitation event with local rainfall and snowmelt produced record flooding. After these flooding events, measurements showed considerable increases in uranium concentrations (Fig. 2.2).

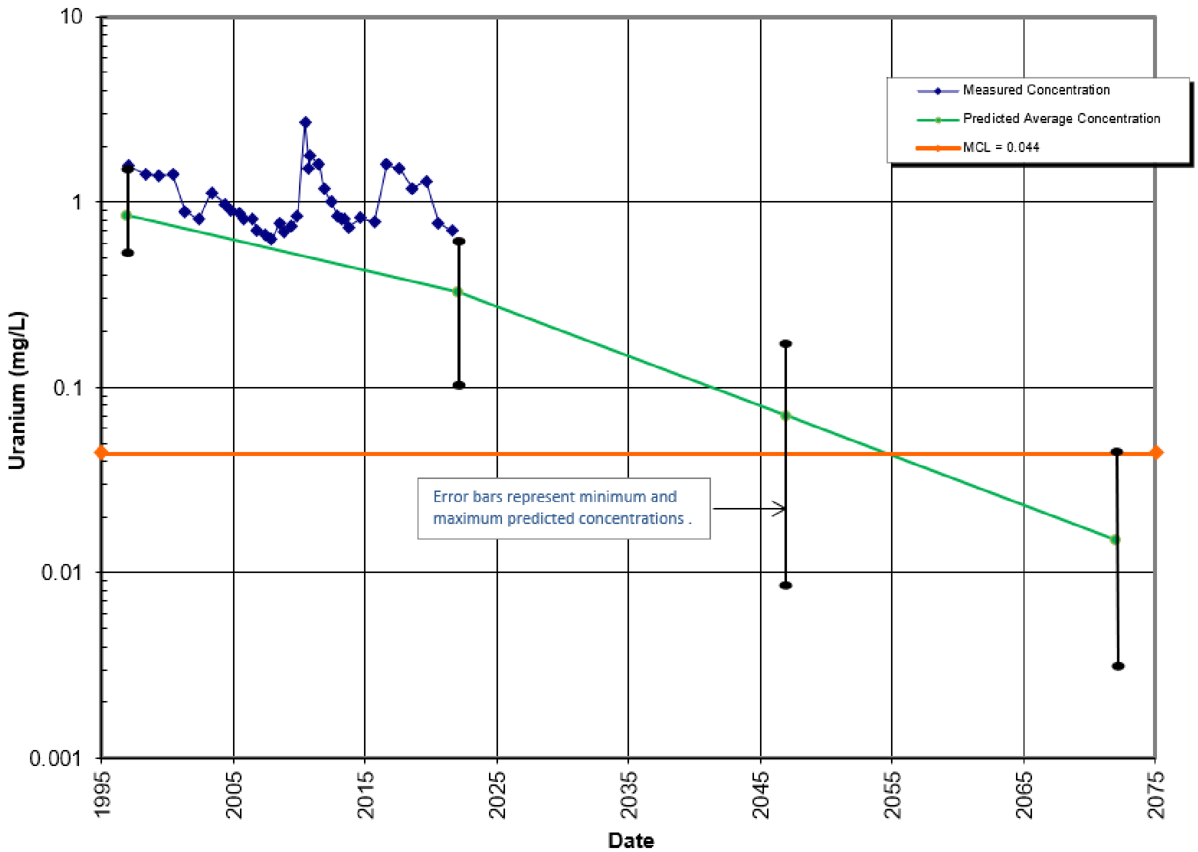

Figure 2.2 Conceptual site wide model of uranium, predictions from 1998 compared with measured concentrations from Dam et al. (2015)

Interestingly, the concentration of uranium in groundwater tends to increase along the flow path towards to the Little Wind River where concentrations can approach 1.5 mg/L (Fig. 2.3); nearly 30 times greater than the maximum limits set by the United States Environmental Protection Agency (US EPA, 2002). This is likely due to uranium in the unsaturated zone that is released to the groundwater during river flooding (DOE, 2016). Therefore, it is this area of the

site, the high-uranium area near the banks of the Little Wind River, that is of most interest to characterizing the mass transport mechanisms of uranium during river water to groundwater recharge (SSMA in Fig. 2.3). However, it is important to note that the focus of this study is in the saturated zone, not the unsaturated zone.

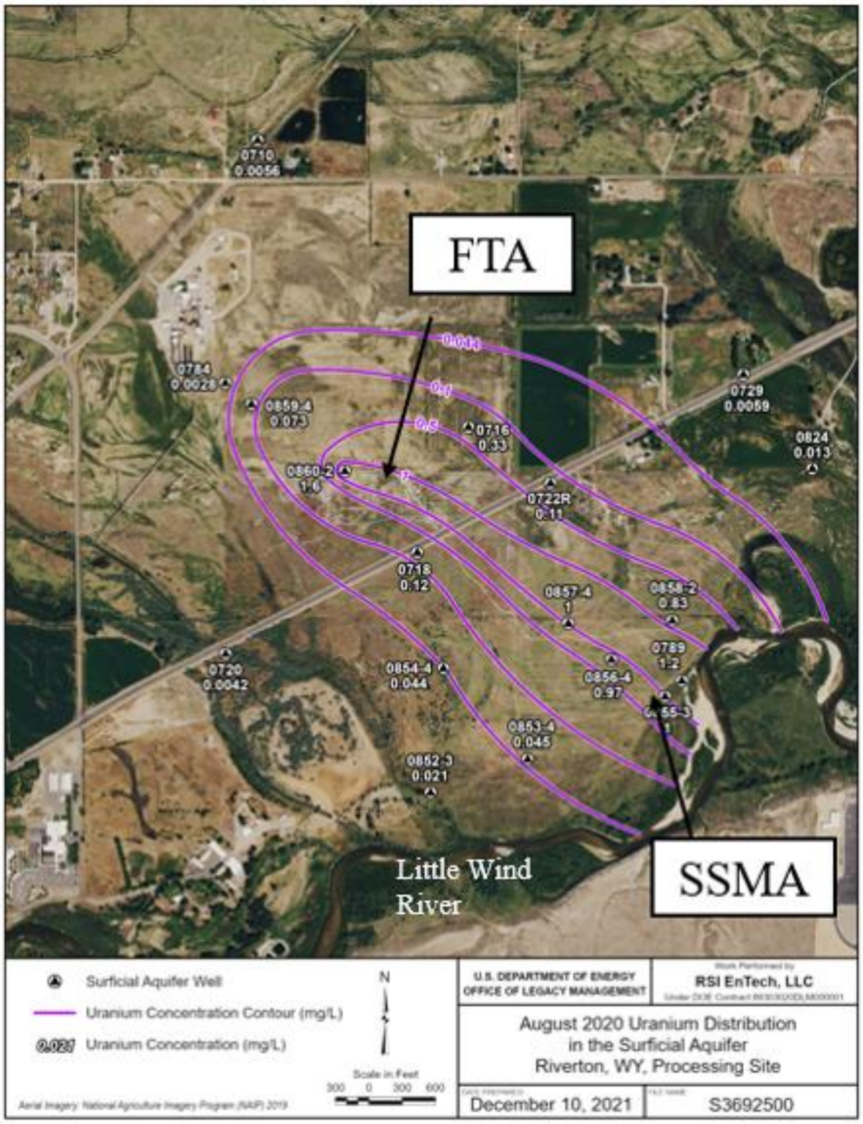

Figure 2.3 Uranium concentrations in the surficial aquifer in 2020, source (FTA) to the Little Wind River

2.1.2 Hydrogeologic Setting

The site is in the Wind River Basin and is bounded by the Wind River to the northeast and the Little Wind River to the southeast (Fig. 2.4). The site lies on an alluvial terrace and groundwater occurs in three main aquifers (Fig. 2.4).

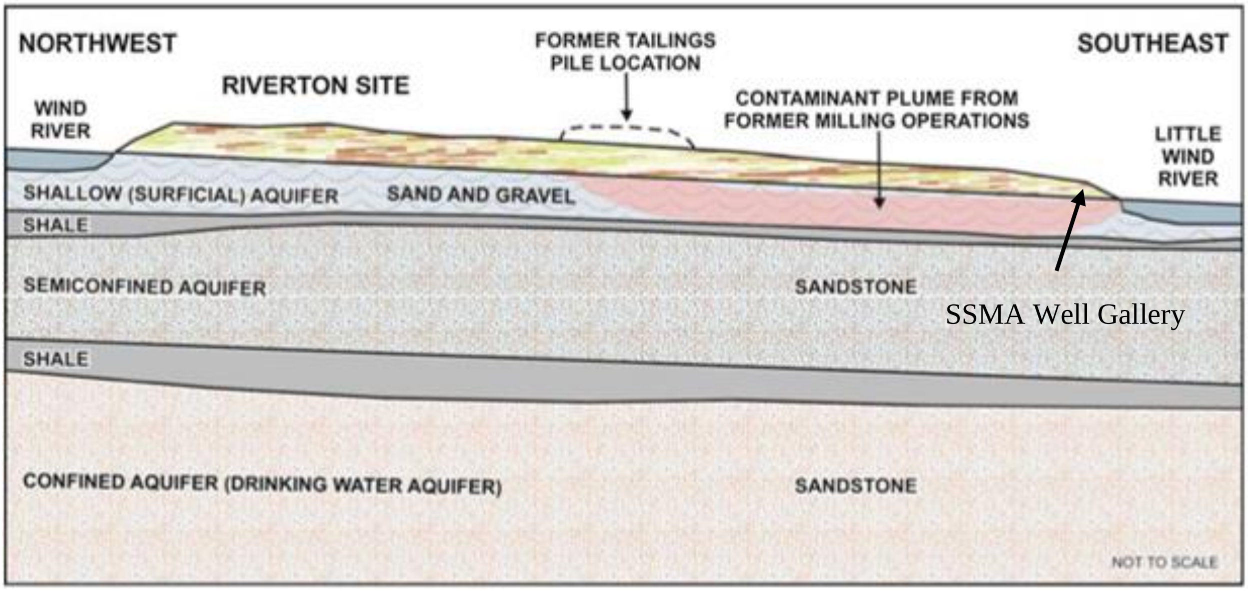

Fig. 2.4 Site conceptual model cross-section of aquifers at the Riverton Site, specifically looking at the shallow (surficial) aquifer where the uranium-contaminated groundwater plume is located (after Dam, et al. 2015)

The first is the shallow unconfined aquifer that is primarily comprised of highly permeable gravels and sands; this is the uranium-contaminated aquifer of interest in this thesis (Fig. 2.4). The semiconfined and confined aquifers make up the upper units of the Eocene Wind River Formation and show no sign of uranium contamination from the historical site activities (Fig. 2.4). The topography of the site appears to control the flow of groundwater and transport of uranium from the former tailings area in the northwest towards the Little Wind River in the southeast (Fig. 2.4).

A recent study by Paradis et al (2022), estimated that the magnitude of groundwater velocity was 0.55 ft per day (Fig. 2.5). The well gallery (Fig. 2.5) is located just to the northwest of well 855, at the end of the SSMA arrow on Fig. 2.3.

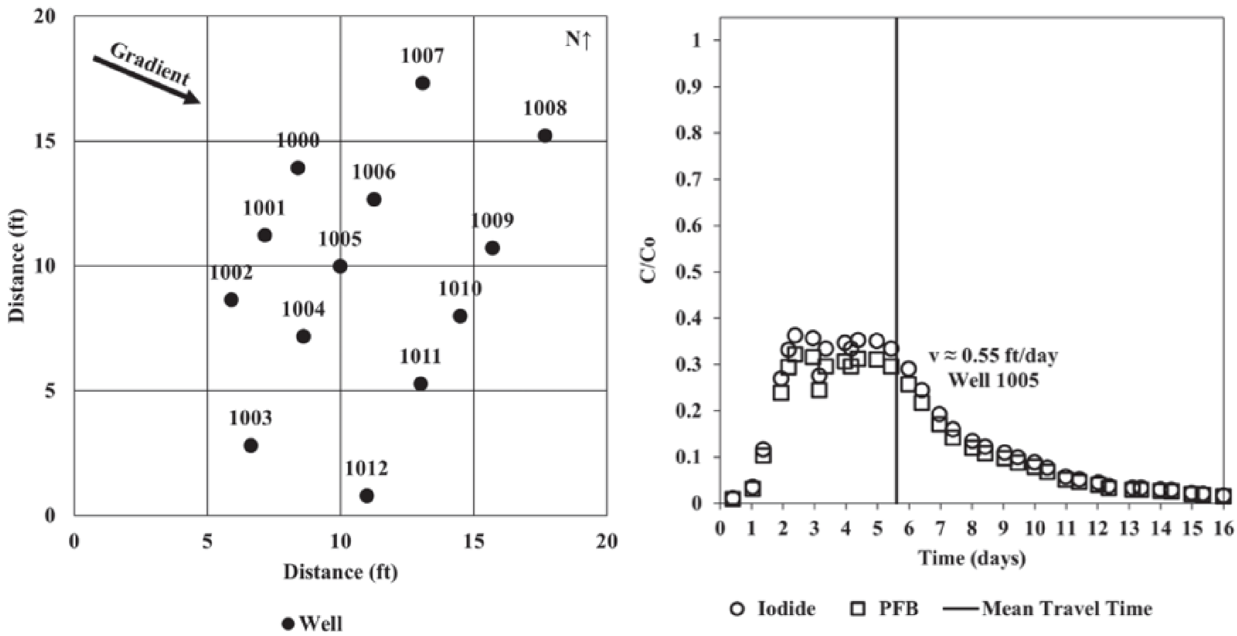

Figure 2.5 Breakthrough curve data from nearest downgradient observation well 1005, approximately 3 feet away from injection well 1001, post-injection under natural-gradient conditions for relative concentration (C/C_0) of nonreactive tracers, iodide and PFB, versus time in days and mean tracer travel time used to estimate the magnitude of groundwater velocity from Paradis et al. (2022)

2.1.3 Hypothesis formation

The fundamental scientific question that this thesis poses is as follows: What happens to uranium when Little Wind River recharges uranium-contaminated groundwater? To form a hypothesis to this question, existing data from three borings (Appendix A) and their associated wells located near the banks of the Little Wind River (locations 855, 856, and 858 in Fig. 2.6) were used to conduct a very simple numerical model simulation of uranium transport.

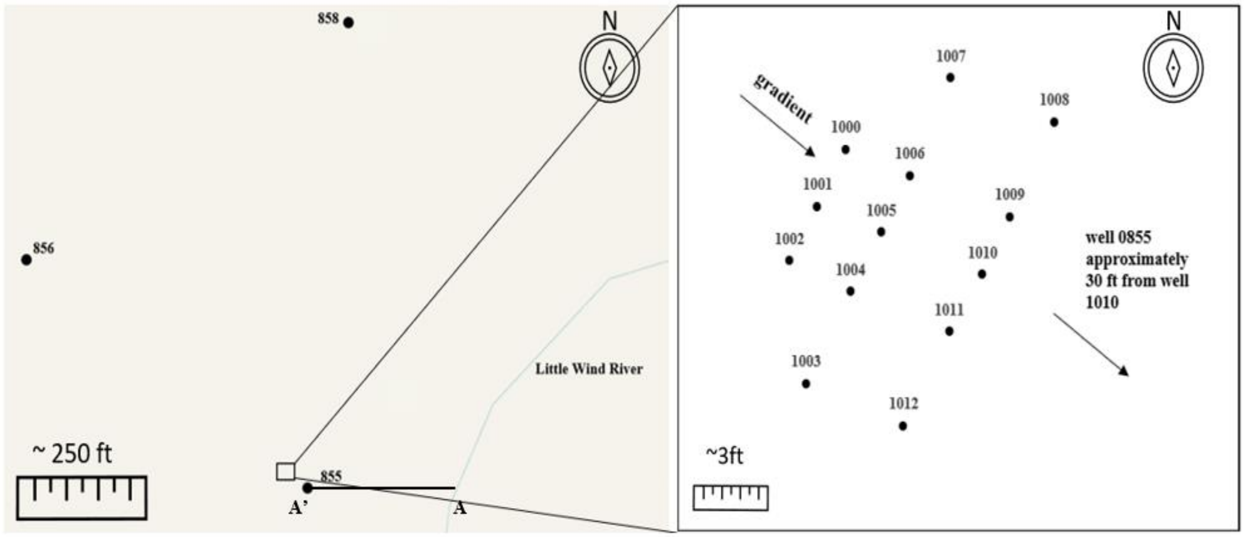

Figure 2.6 Well locations 855, 856, and 858 near the banks of the Little Wind River along with the temporary experimental well transects

Existing data indicated that uranium associated with the solid phase was relatively high just above the water table and within a reducing silt layer (Fig. 2.7). However, the data also indicated that solid-phase uranium was present below the water table and within the sand and gravel aquifer at well 855 (Fig. 2.7). In contrast, wells 856 and 858 had low solid-phase uranium below the water table. Existing data also indicated that the groundwater tends to be much higher in uranium and chloride as compared to the river water (Table 2.1). In addition, groundwater tends to be much more alkaline and less oxidizing than river water and has a lower pH (Table 2.1). These data are conceptually demonstrated in Figure 2.8.

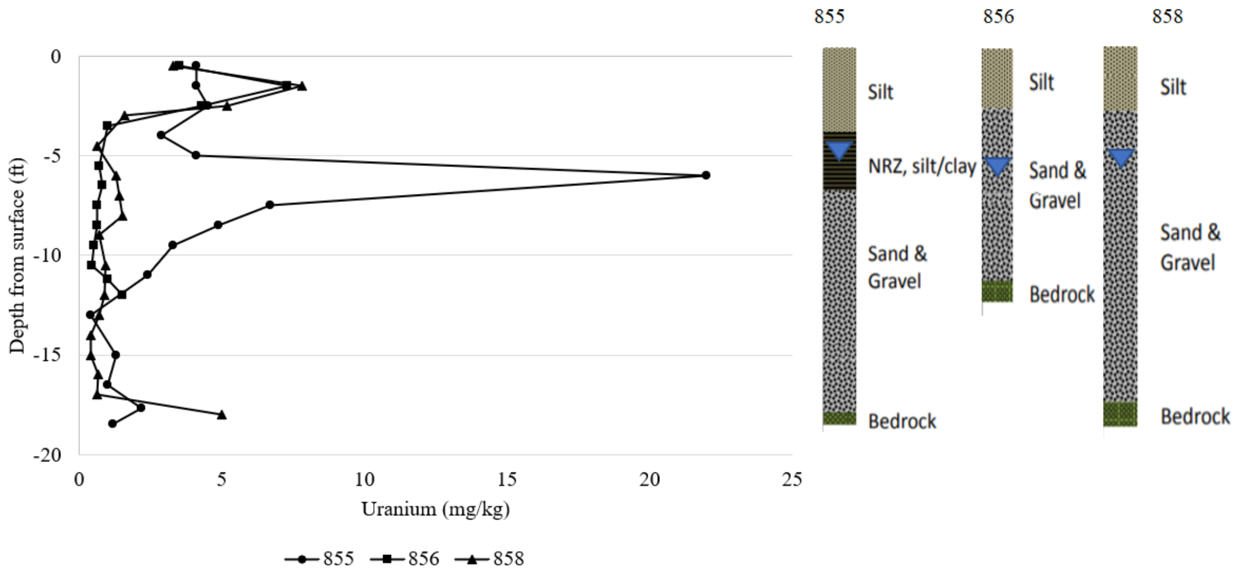

Fig. 2.7 Solid-phase uranium concentrations in boring from well 855, 856, and 858, extracted via total digestion with very strong acids

Table 2.1 Select geochemical data from boring log and monitoring wells 855, 856, and 858, respectively (Figs. 2.7), for saturated sand and gravel aquifer from 2015 Advanced Site Investigation and Monitoring Report Riverton, Wyoming, Processing Site, data are depth-integrated averages and transport parameters (K_d and R) are estimates based on an assumed bulk density of 1.6 kg/L and porosity of 0.40, ORP = oxidization-reduction potential, TOC = total organic carbon, K_d solid-aqueous partition coefficient, R = retardation factor, GW = ground water, RW = river water, Seds = sediments

Media	Uranium	Chloride	pH	Alkalinity	ORP
(-)	(mg/L)	(mg/L)	(-)	(mg/L as $CaCO_3$)	(mV)
GW	0.83, 0.79, 0.46	395, 160, 94.5	7.2, 7.2, 7.2	494, 386, 355	-3.1, -24, -49
RW	0.0084	11	8.4	192	60.8
Media	Uranium	TOC	K_d	R	
(-)	(mg/kg)	(%)	(L/kg)	(-)	
Seds	1.7, 0.87, 0.68	0.40, 0.17, 0.17	2.1, 1.1, 1.5	9.4, 5.4, 7.0	

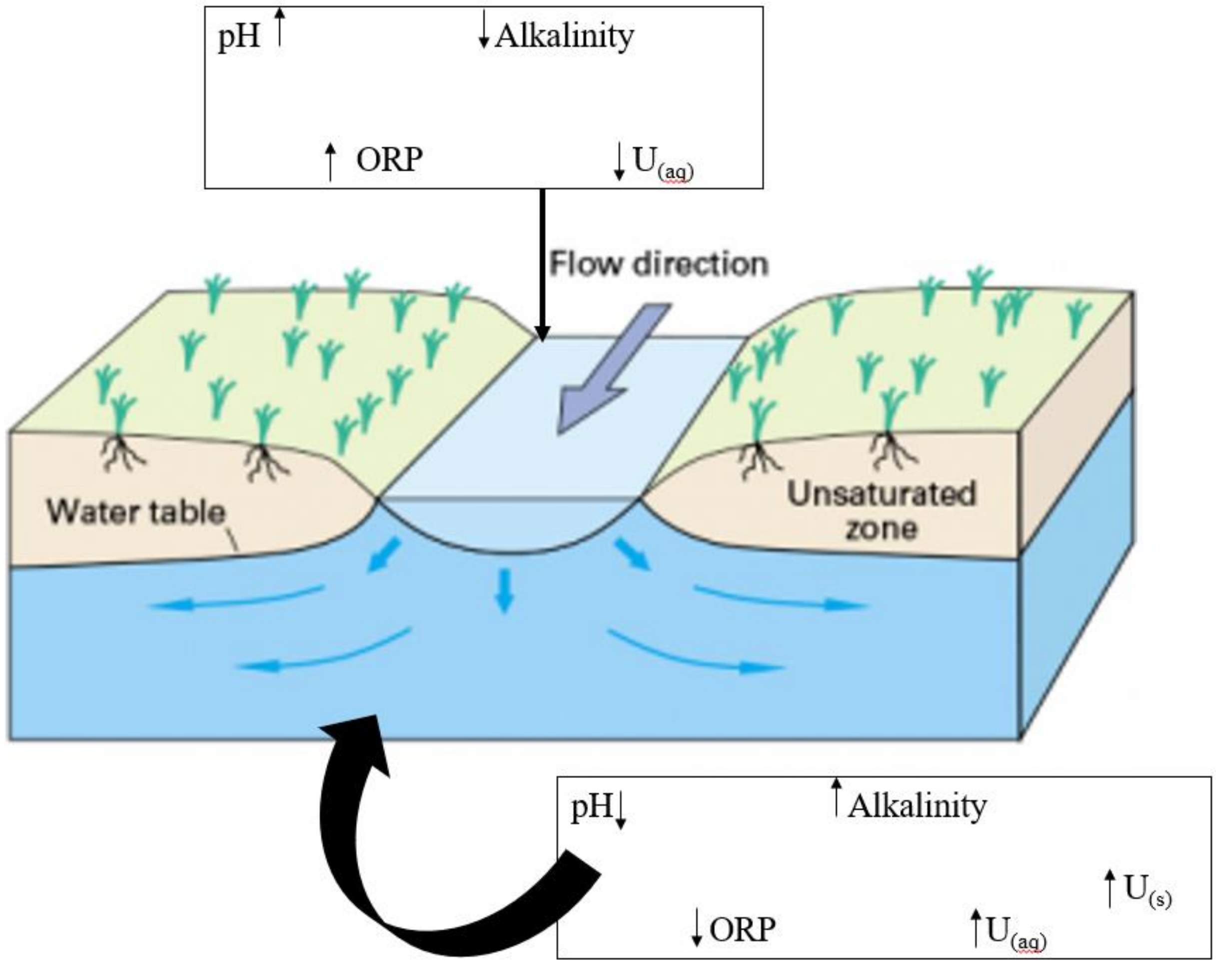

Figure 2.8 Conceptual model of surface and groundwater data for existing wells 855, 856, and 858

There are likely five mass transport mechanisms that influence the mobility of uranium in groundwater during recharge with river water as follows: 1) advection, 2) dispersion, 3) desorption, 4) oxidative-dissolution, and 5) matrix diffusion. Matrix diffusion describes the transport of a solute due to molecular diffusion into and back out of immobile pore spaces and is likely negligible given the highly permeable and relatively homogeneous nature of the sands and gravels in the uranium-contaminated aquifer. Oxidative-dissolution is due to dissolution of reduced uranium, and it is possible that it could be present at well 855 while less likely at wells

856 and 858 due to relatively low uranium on the solid phase (Fig. 2.7). Thus, in the tracer transects (Fig. 2.6), this process is possible but not expected. To add, concentration-driven desorption of uranium in groundwater may occur during recharge with river water when considering that solid-phase uranium appears to be associated with, and possibly sorbed to, natural sediments (concentrations in Table 2.1), and that river water is relatively low in uranium concentration (Table 2.1). It is hypothesized that advection and dispersion of uranium most likely occur during recharge with river water and thus when combined with desorption, may fully describe the mobility of uranium.

The one-dimensional advection-dispersion-sorption equation and its relevant sub-equations are as follows:

Governing mass transport equation:

$$R\frac{\partial C}{\partial t} = D_x\frac{\partial^2 C}{\partial x^2} - v_x\frac{\partial C}{\partial x} \qquad (1)$$

Dispersion coefficient:

$$D_x = \alpha_x v_x + D^* \qquad (2)$$

Retardation factor:

$$R = 1 + \frac{\rho_b K_d}{n} = \frac{v}{v_r} \qquad (3)$$

Solid-aqueous partition coefficient:

$$S = K_d C \qquad (4)$$

The retardation factor (R) on the left-hand side of Equation (1) describes the simplest form of sorption/desorption, i.e., linear-equilibrium sorption/desorption (Table 2.2 defines all the variables and terms in Equations (1) through (4)). The retardation factor of uranium was estimated to range from approximately 5 to 10 based on existing data and several simplifying assumptions about the physical properties of the sand and gravel aquifer (Table 2.1); the retardation factor of chloride was estimated to be 1, i.e., non-sorbing. A simple numerical model simulation of uranium transport during river water to groundwater recharge shows that chloride-poor river water would arrive at well 855 approximately 10 times faster than uranium-poor river water (Fig. 2.9). This 10-fold delay in the arrival of uranium is expected based on its estimated retardation factor of approximately 10, if advection, dispersion, and desorption are the primary mass transport mechanisms that control the mobility of uranium during river water to groundwater recharge.

Table 2.2 Definition of variables and terms in Equations (1) through (4)

Symbol	Definition	Dimensions	Units
C	Concentration	[M/L^3]	mg/L
x	Distance	[L]	feet
t	Time	[T]	days
v_x	Velocity in x direction	[L/T]	ft/day
α_x	Longitudinal dispersivity	[L]	feet
D^*	Molecular diffusion	[L^2/T]	ft^2/day
D_x	Dispersion coefficient	[L^2/T]	ft^2/day
ρ_b	Bulk density	[M/L^3]	mg/L
n	Porosity	[L^3/L^3]	unitless
K_d	Solid-aqueous partition coefficient	[L^3/M]	L/kg
R	Retardation factor	[L/T/L/T]	unitless
v	Velocity non-sorbing solute	[L/T]	ft/day
v_r	Velocity of sorbing solute	[L/T]	ft/day

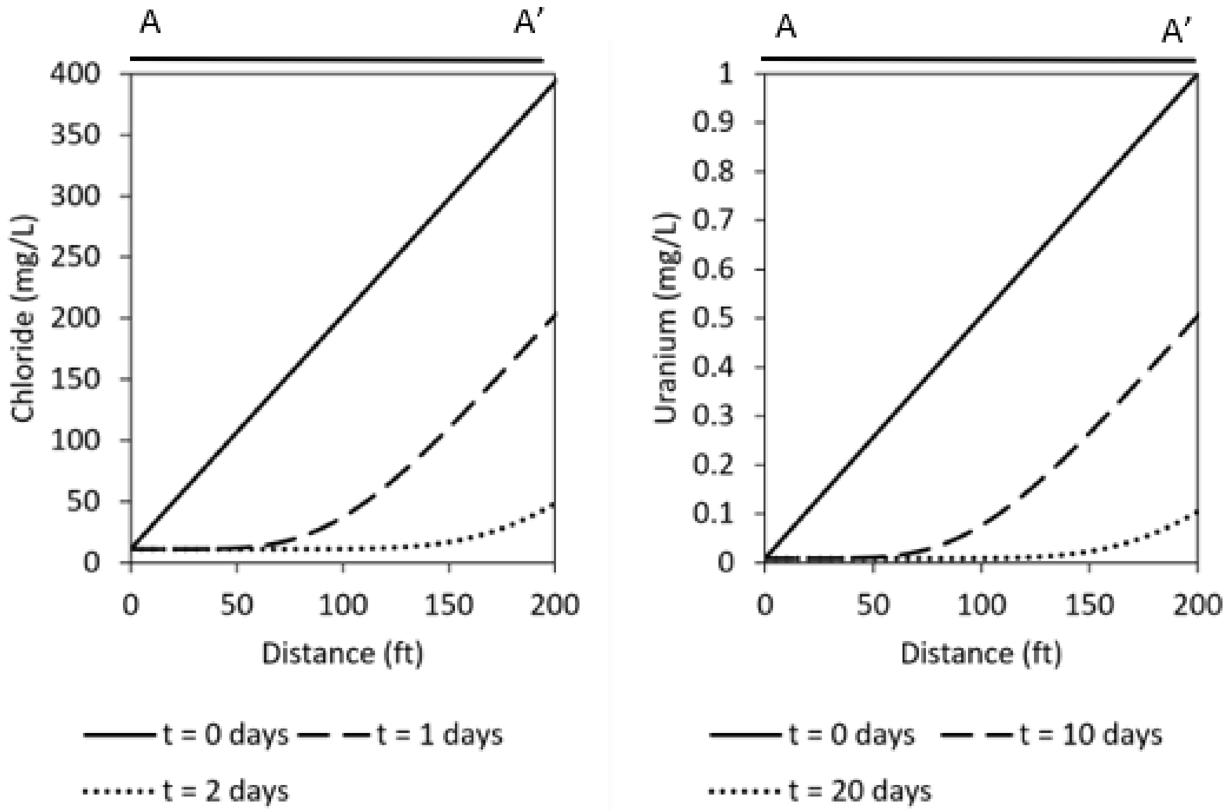

Fig. 2.9 Simple numerical model simulation of chloride and uranium transport during river water to groundwater recharge, injection is upgradient, initial conditions are time equal zero, model inputs: v_x = 100 ft/day, α_x = 1 ft, D^* = 0 ft^2/day, R = 9.4, boundary conditions at inlet are constant concentration of river water, outlet is zero flux, A = river, A' = well 855

Data collected in the 1990s, determined that once the tailings were removed from the site, the main groundwater processes that would dictate the contaminant migration were advection, dispersion, and sorption (Dam et al., 2015). If the hypothesized mechanisms stated earlier, e.g., advection, dispersion, sorption/desorption, do occur, it is important to see how they would behave. The various simulations illustrate plots of the relative concentration (C/C_0) of the solute measured directly in a downgradient well against the duration of the test (Fig. 2.10). It is important to note that the area underneath the curves for advection, dispersion, and sorption are all equal.

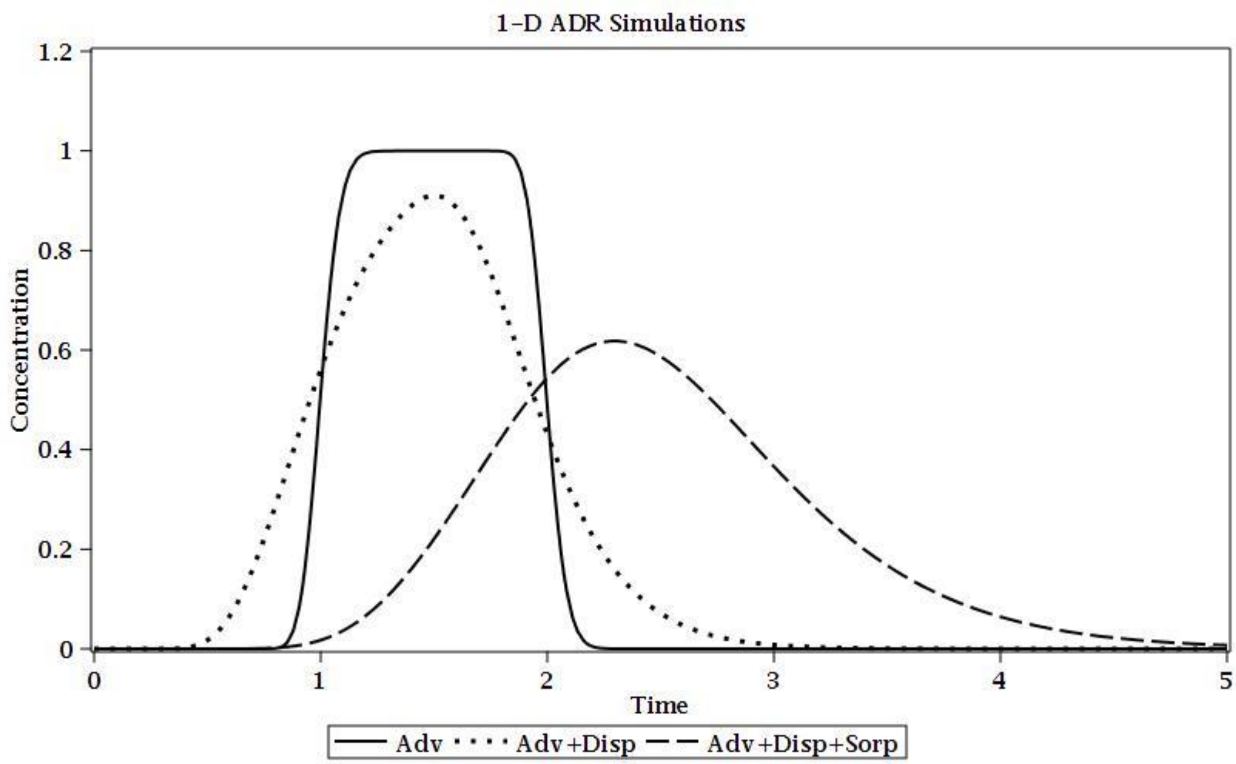

Figure 2.10 1-dimensional advection-dispersion-sorption simulations after a contaminant injection

2.2 Materials and Methods

2.2.1 Field tracer study

A field tracer study was conducted in the summer of 2020 to simulate river water to groundwater recharge near the banks of the Little Wind River and within the footprint of existing wells 855, 856, and 858 (Fig. 2.6). A series of 13 temporary groundwater monitoring wells were installed by direct push, screened across the water table, and within the uranium-contaminated sand and gravel aquifer (Figs. 2.6 and 2.7, Appendix B). The temporary wells were installed as three transects oriented perpendicular to groundwater flow, i.e., southwest to northeast. The total distance between the upper and lower transects were no greater than 10 feet as to allow for the transport of the tracer to be completed within approximately 30 days. Two solute tracers, iodide

and pentafluorobenzoate, were added to a 100-gallon volume of river water for a target concentration of 500 mg/L and injected into up-gradient temporary well 1001 using a peristaltic pump (Table 2.3). To establish vertical distribution of the tracers, the injection well fluid was recirculated in a closed loop during the whole injection time. The injection phase was followed by sampling and analysis of the tracers in the injection well and the down-gradient transects of observation wells under natural-gradient environments for 18 days (Table 2.4 and Fig. 2.11). Samples were collected under low-volume and -flow conditions to not disturb the natural gradient. Filtered groundwater samples were collected, stored in coolers, and shipped to RSI EnTech, LLC (Colorado) to analyze/quantify the added tracers and planned geochemical measurements in Table 2.4, e.g., U, Mo, alkalinity, Cl, and SO_4. Iodide was measured by ion chromatography and in the field using an ion-specific electrode to track the path of the tracer-amended injection fluid downgradient in the transects of the observation wells. PFB was measured by high-performance liquid chromatography. Metals and cations were measured by ICP-MS, anions were measured by ion chromatography, and uranium was measured by KPA.

Table 2.3 Experimental design of tracer test

Sodium Iodide Mass	Potassium PFB Mass	Injection Volume	Injection Rate	Injection Time
(lbs)	(lbs)	(gal)	(gpm)	(hr)
0.5	0.5	100	0.25	6.5

Table 2.4 Field[1] and laboratory[2] measurements for tracer test

Physical Measurements	Chemical Measurements
Injection rate[1], depth to groundwater[1], temperature[1]	Iodide[1,2], PFB[2], uranium[2], chloride[2], pH[1], alkalinity[1], ORP[1], DO[1], conductance[1], major anions (SO_4[2], NO_3[2]), major and minor cations (Fe[1], Na[2], K[2], Ca[2], Mg[2], Mn[2], Mo[2])

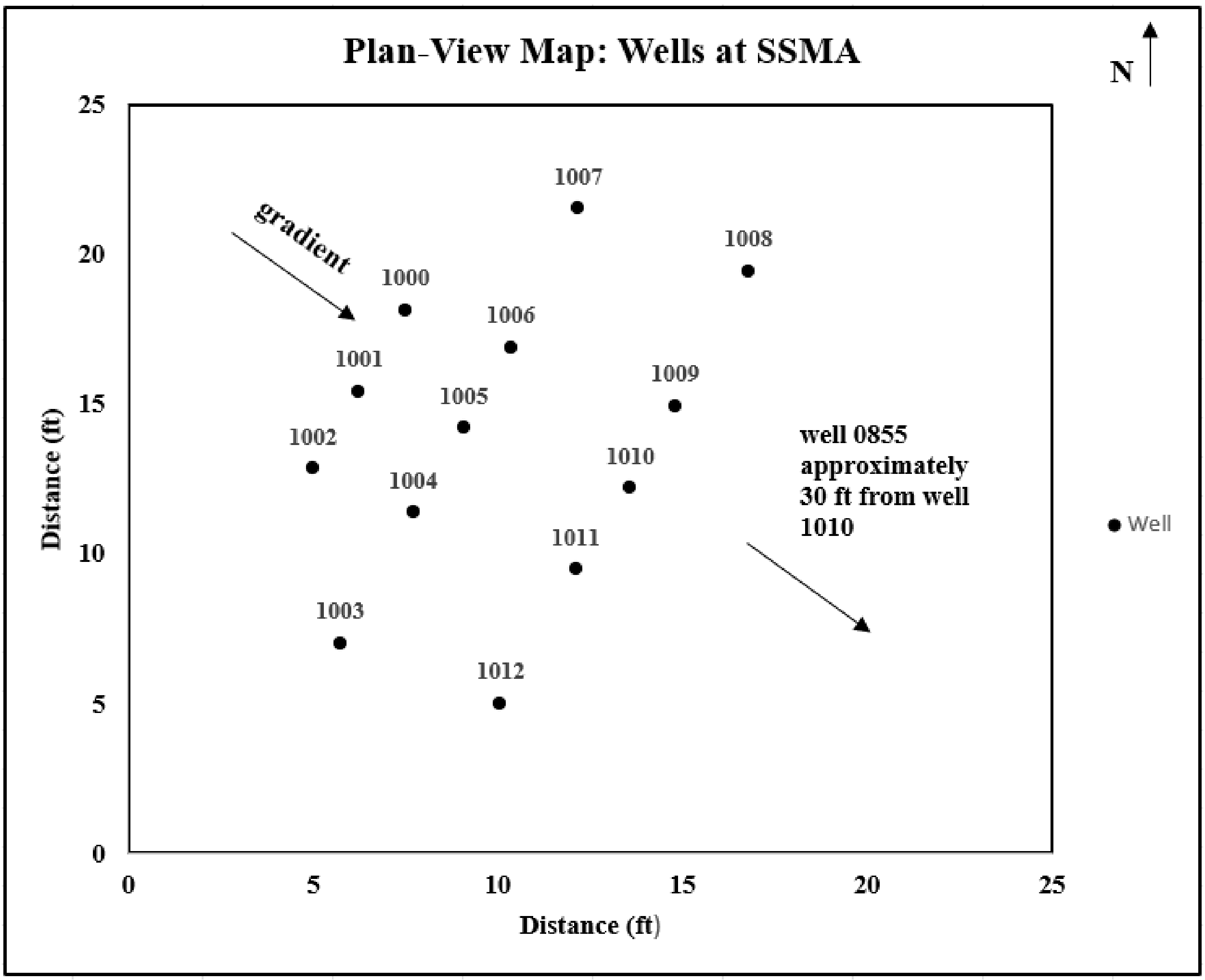

Fig. 2.11 Plan view of SSMA well gallery

Several tracers and solutes were used to distinguish the mass transport mechanisms of uranium. Chloride is often used to characterize non-reactive (conservative) mass transport, e.g., advection and dispersion (Paradis et., 2019). At the Riverton site, chloride in the groundwater has higher concentrations than the river water (injection fluid) (Table 2.1). The two added solute tracers, iodide and pentafluorobenzoate, were used to trace the movement of river water in groundwater and to determine if the assumption of negligible matrix diffusion is valid. Iodide, like chloride, acts as a conservative tracer and has been conventionally used to characterize non-reactive mass transport. Pentafluorobenzoate is also a conservative tracer but has a much lower aqueous diffusion coefficient than iodide, e.g., nearly three times lower (Reimus, 2003). Therefore, if matrix diffusion is indeed negligible, the breakthrough curves of iodide and pentafluorobenzoate should be nearly identical (Paradis et al., 2019). Reactive solutes, Mn(II), Fe(II), and SO_4^{2-}, were also used to determine if the recharge of river water caused redox reactions. It should be noted, oxygen was measured, but not quantitively analyzed due to the low sensitivity of the field testing with less reliable data, and nitrate in the river water and groundwater concentrations were below its detection limit of 0.5 mg/L.

2.2.2 Data analysis

The fundamental method of data analysis for this thesis was quantifying the temporal moments of tracer and uranium transport. To determine if uranium was mobilized from the solid to the aqueous phase, expected versus measured breakthrough curves were analyzed according to the methodology of Paradis et al. (2019). For example, if there is any difference between the measured concentration and expected concentration of uranium, then one or more mass transport

mechanisms in addition to advection and dispersion, e.g., desorption, is thought to have occurred, as expected concentrations are based on conservative behavior. To solve for the expected concentration of a reactive solute, e.g., uranium, in the sampling fluid, follow equation 5:

$$C_e^{r\prime}(t) = \left(\frac{[C_e^c(t) - C_a^c]}{[C_i^c - C_a^c]}\right)[C_i^r - C_a^r] + C_a^r \tag{5}$$

Equation 5 calculates the expected concentration of uranium in the sampling fluid due to dilution between the injection and aquifer fluids. Equation 5 makes the following assumptions: (1) the concentrations of both solutes are equal to their injection concentrations at time equal to zero, (2) the concentrations of both solutes are equal to their aquifer concentrations as time reaches infinity, and (3) the mass transport mechanisms, i.e., advection, dispersion, diffusion, of both solutes are not different (Paradis et al., 2018). It is to be noted that the concentration of the nonreactive solute in the injection fluid and aquifer fluid are considered constants while the concentration of the nonreactive solute in the sampling fluid and time are independent variables. The conservative, nonreactive, tracer used ($C_e^c(t)$, C_a^c, C_i^c) was iodide when calculating for the expected concentration of the reactive solute in the sampling fluid due to dilution.

Moreover, the recovery factors of reactive solutes were calculated according to the methodology of Paradis et al. (2020). For example, a recovery factor greater than 1 indicates that e.g., uranium, was added to the aqueous phase whereas a recovery factor less than 1 indicates that e.g., uranium, was removed from the aqueous phase; a factor equal to 1 indicates no change. The recovery factor was calculated as given by:

$$\bar{R} = \frac{\int_0^t C_e^r(t)dt}{\int_0^t C_e^{r\prime}(t)dt} \tag{6}$$

When calculating the recovery factor, you are quantifying the mass/concentration of the reactive solute recovered during entire the sampling phase relative to iodide. Recovery factors greater than 1 indicate that more of the reactive solute, i.e., uranium or chloride, was recovered relative to iodide and recovery factors less than 1 indicate that less of the reactive solute was recovered relative to iodide. It is to be noted of a limitation when calculating the recovery factor; it does not tell you what is happening in between but solely from the beginning to the end.

Table 2.5 Definition of variables and terms in Equations (5) and (6)

Symbol	Definition	Dimensions	Units
c	Conservative solute	-	-
r	Reactive solute	-	-
$C_e^{r'}(t)$	Expected concentration of reactive solute in the sampling fluid due to dilution	[M/L^3]	mg/L
$C_e^c(t)$	Concentration of conservative solute in sampling fluid	[M/L^3]	mg/L
C_a^c	Concentration of conservative solute in aquifer fluid	[M/L^3]	mg/L
C_i^c	Concentration of conservative solute in injection fluid	[M/L^3]	mg/L
C_i^r	Concentration of reactive solute in injection fluid	[M/L^3]	mg/L
C_a^r	Concentration of reactive solute in aquifer fluid	[M/L^3]	mg/L
R	Recovery factor	[dimensionless]	unitless
$\int_0^t C_e^r(t)dt$	Area under the measured concentration versus time data during sampling phase	[dimensionless]	unitless
$\int_0^t C_e^{r'}(t)dt$	Area under the expected concentration versus time data during sampling phase	[dimensionless]	unitless

It is important to define the limits of numerical integration before generating recovery factors from the expected versus measured breakthrough curves of a reactive solute in the

sampling fluid due to dilution. It is assumed the added nonreactive solute, iodide, in the sampling fluid obey the upper and lower endmembers. The upper endmember being the concentration of the added nonreactive solute in the injection fluid and the lower endmember being the concentration of the added nonreactive solute in the aquifer fluid. The limits of numerical integration for calculating recovery factors began when the relative concentration of the tracer signal was greater than or equal to 5% and ended when the relative concentration of the tracer was less than or equal to 5%.

Three wells were analyzed for all data analysis. These wells were chosen based on the strongest signal of tracer which is a proxy for the signal of river water (Appendix C). One well was chosen from each of the three well transects. The injection well 1001 from transect one, well 1005 from transect two, and well 1011 from transect three (Fig. 2.12).

As you move further away from the injection well (1001), the tracer/solute signal gets smaller (e.g., well 1011), as heterogeneity and dispersion increase.

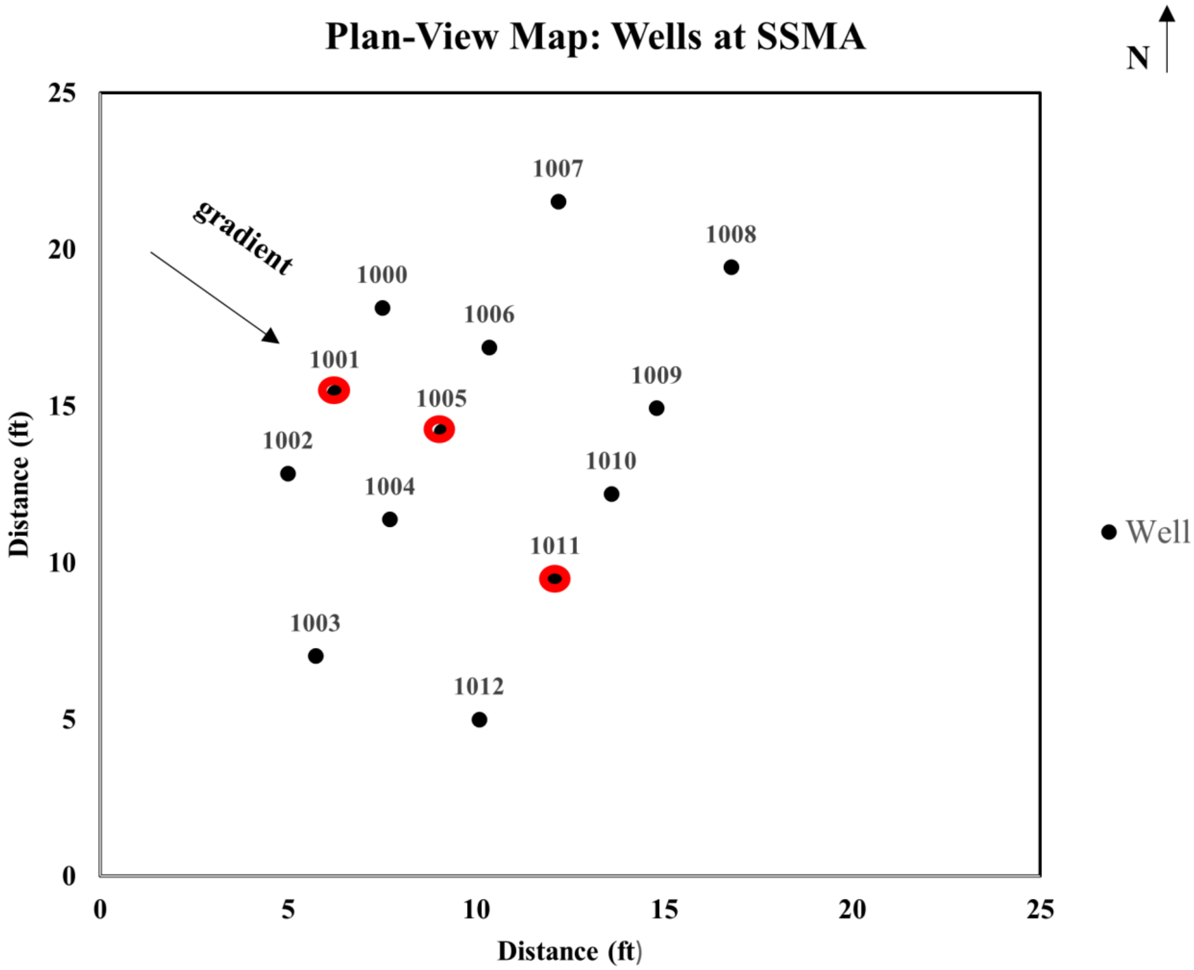

Figure 2.12 Plan-view of SSMA well gallery, wells circled in red represent chosen wells with the strongest tracer signal

2.3 Results and Discussion

2.3.1 Sediment data

The results of solid-phase uranium concentrations were analyzed to answer the following question: Is uranium on the solid phase at the well gallery above background levels?

Table 2.6 Solid-phase uranium concentrations at select experimental wells, 5% HCO_3 extraction

Well ID	Depth from surface	Uranium
(-)	(ft)	(ug/g)
1000	~6-7	0.31
1002	8-8.2	0.41
1007	7.4-7.5	0.36
1007	8.5-8.7	0.30
1008	10.8-11.0	0.36
1010	6.4-6.7	0.36
1011	5.9-6.0	0.63
1011	6.5	0.42
1012	8.7-9.0	1.43

Uranium concentrations on the saturated zone solid phase sediments at the experimental wells is between 0.31 to 1.43 mg/kg with an average of 0.51 mg/kg (Table 2.6). These data suggest there is some heterogeneity with slightly high uranium on the solid phase at wells 1011 and 1012 (Table 2.6). Uranium is slightly above background levels of 0.5mg/kg. In comparison, uranium concentrations on the saturated zone solid phase sediments at wells 856 and 858 are 0.8 and 0.6 mg/kg respectively (Table 2.1). Since the well transects are slightly on the alluvial terrace, solid-phase uranium, similar to that at wells 856 and 858 (Fig. 2.7) was expected and confirmed with solid phase analyses.

2.3.2 Multi-well injection-drift test

2.3.2.1 Aqueous geochemistry data

The results of pH, alkalinity, ORP, and specific conductance were analyzed to answer the following question: Do each water quality parameters behave within their upper and lower endmembers?

The results of groundwater and river water sampling indicated that the groundwater in each of the wells (1001, 1005, 1011) contained elevated levels of uranium, chloride, specific conductance as compared to the river water whereas pH was lower (Table 2.7). Moreover, groundwater was alkaline and marginally less oxidizing than river water (Table 2.7). However, groundwater from well 1011 had reducing conditions as compared to the groundwater from wells 1001, 1005 and the river water.

Table 2.7 Select geochemical data pre-injection from experimental wells 1001, 1005, and 1011, respectively (Figs. 2.12), ORP = oxidization-reduction potential, DO = dissolved oxygen, GW = ground water, RW = river water

Media	Uranium	Chloride	pH	Alkalinity	Specific Conductance	ORP	DO
(-)	(mg/L)	(mg/L)	(-)	(mg/L as $CaCO_3$)	(uS/cm)	(mV)	(mg/L)
GW	1.08	419	7.1	541	9855	119.8	1.7
	1.11	404	7.1	543	10230	70.7	1.6
	1.04	426	7.2	572	10510	-382	1.2
RW	0.02	7.6	8.58	185	1421	132	7.3

Uranium is controlled by pH, alkalinity, ORP, and specific conductance therefore it is important to look directly at how each behaved during the single-well injection-drift test. For wells 1001, 1005, and 1011 pH, alkalinity, and specific conductance were well behaved and within its endmembers of groundwater and river water respectively (Figs. 2.13, 2.14, 2.16, 2.17, 2.18, 2.20, 2.21 2.22, and 2.24). In contrast, ORP for all three wells (1001, 1005, 1011) indicates

that redox reactions occurred as it did not behave within its endmembers. However, ORP data are less quantitative, as the ORP signals rely on the presence of a pair of redox elements (e.g., Fe^{2+}/Fe^{3+}), which may or may not exist.

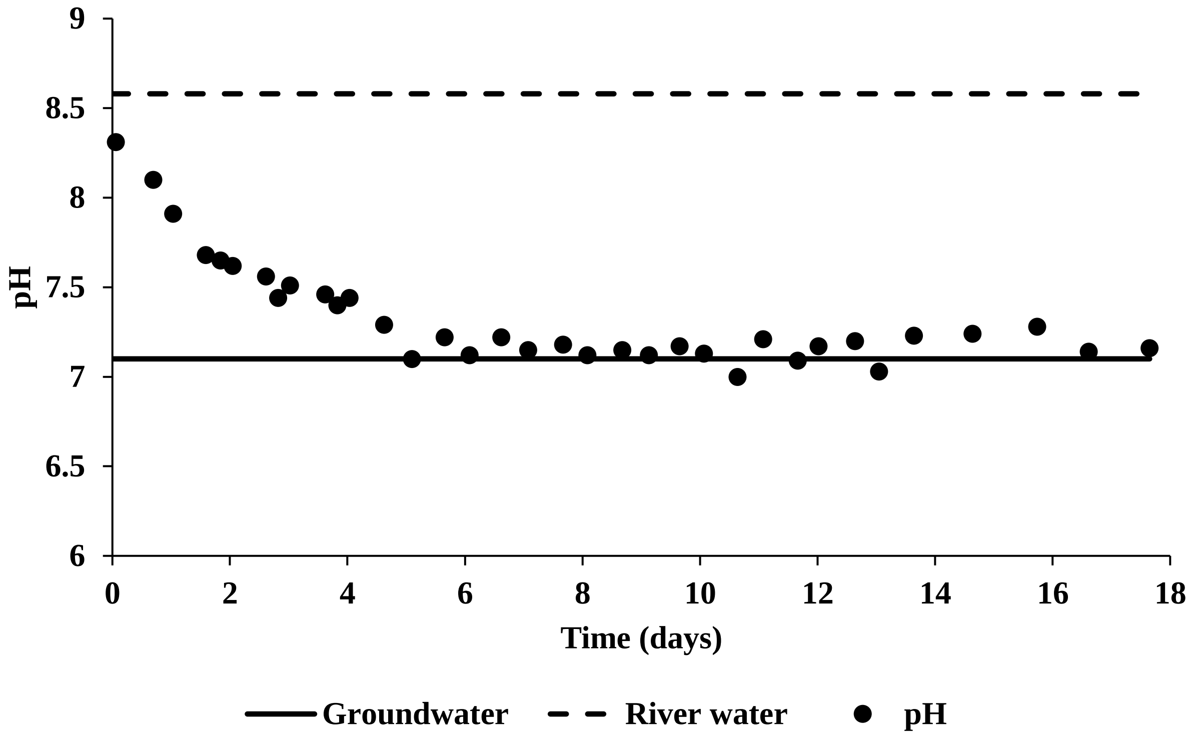

Figure 2.13 Measured pH versus time elapsed in days during sampling phase of multi-well drift test of well 1001, dashed line represents average pH in river water, solid line represents average pH in groundwater for well 1001 before injection

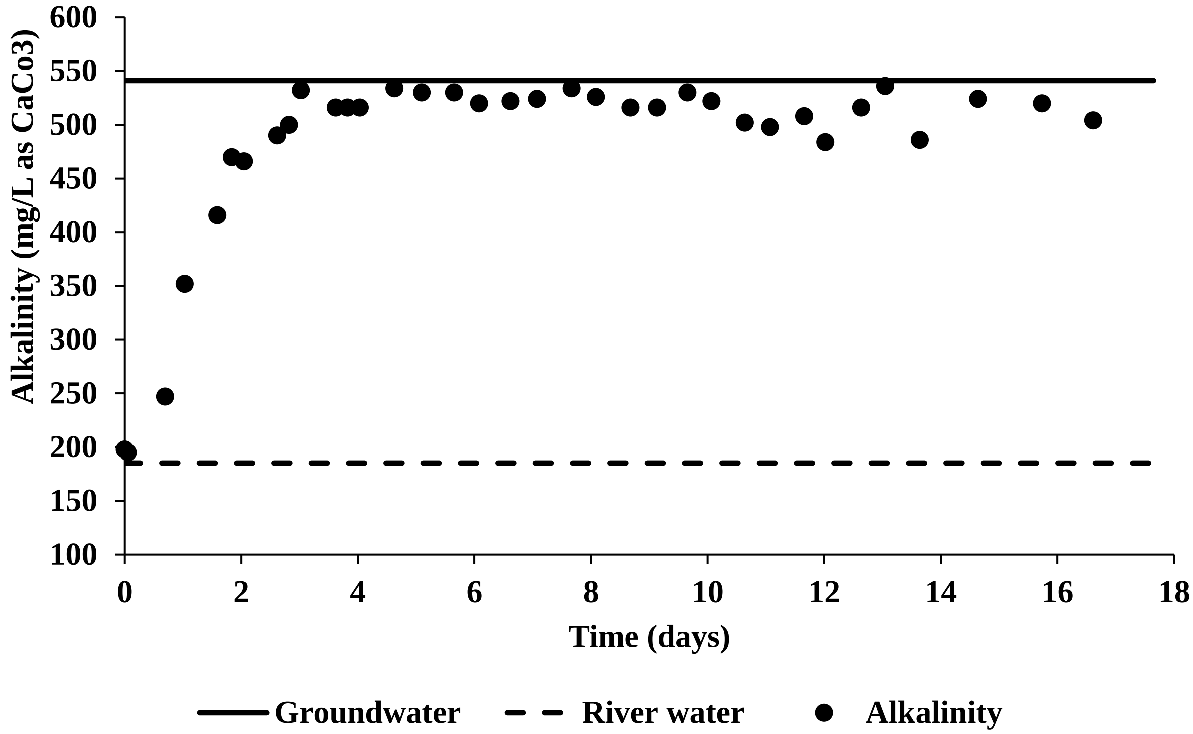

Figure 2.14 Measured alkalinity concentrations versus time elapsed in days during sampling phase of multi-well drift test of well 1001, dashed line represents average concentration of alkalinity in river water, solid line represents average concentration of alkalinity in groundwater for well 1001 before injection

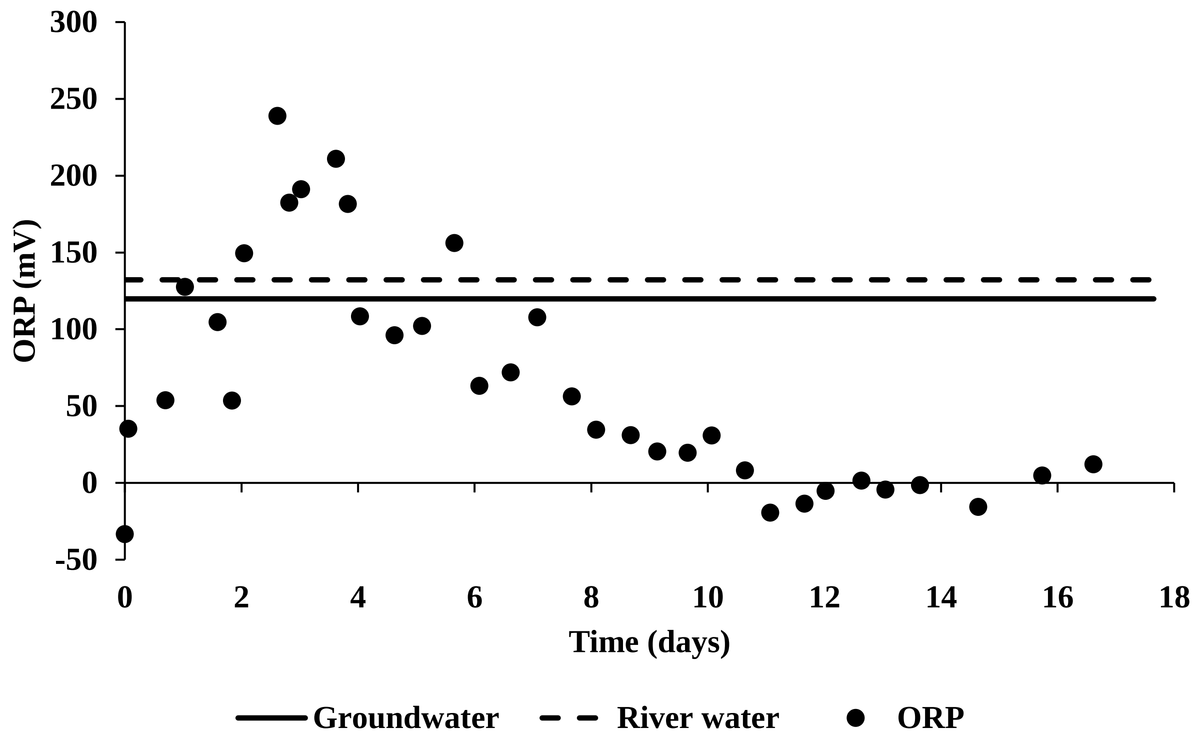

Figure 2.15 Measured ORP versus time elapsed in days during sampling phase of multi-well drift test of well 1001, dashed line represents average ORP in river water, solid line represents average ORP in groundwater for well 1001 before injection

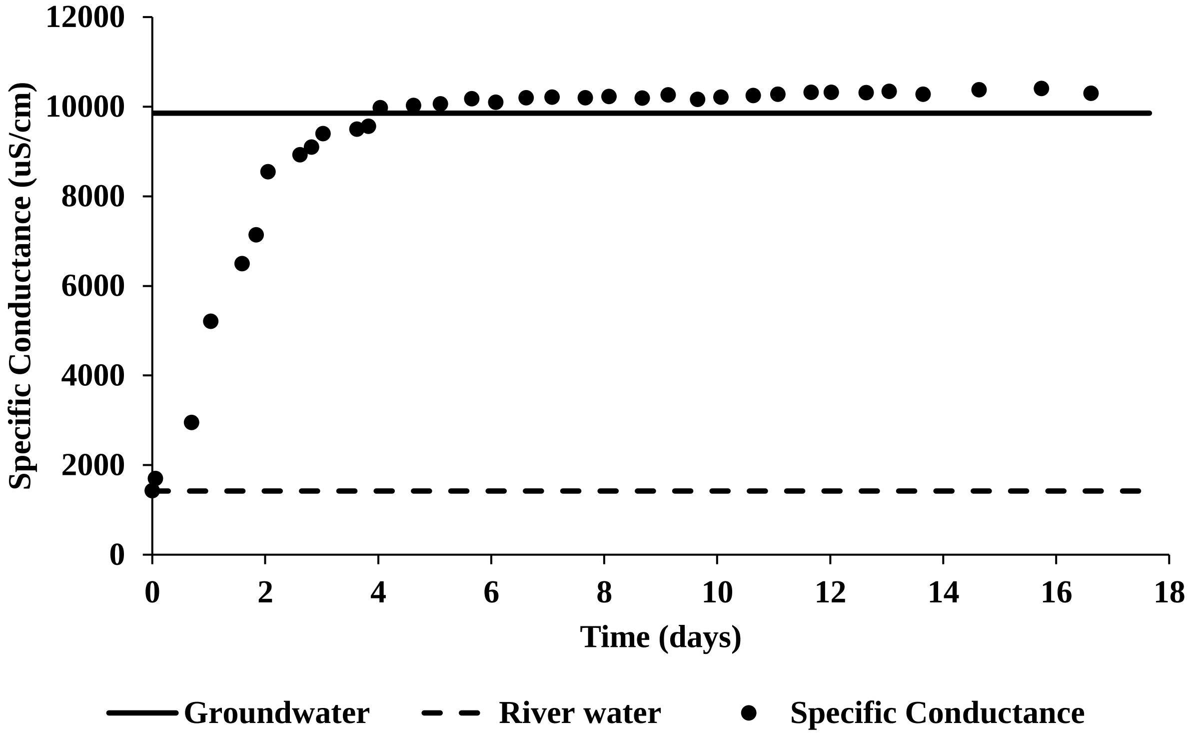

Figure 2.16 Measured specific conductance versus time elapsed in days during sampling phase of multi-well drift test of well 1001, dashed line represents average specific conductance in river water, solid line represents average specific conductance in groundwater for well 1001 before injection

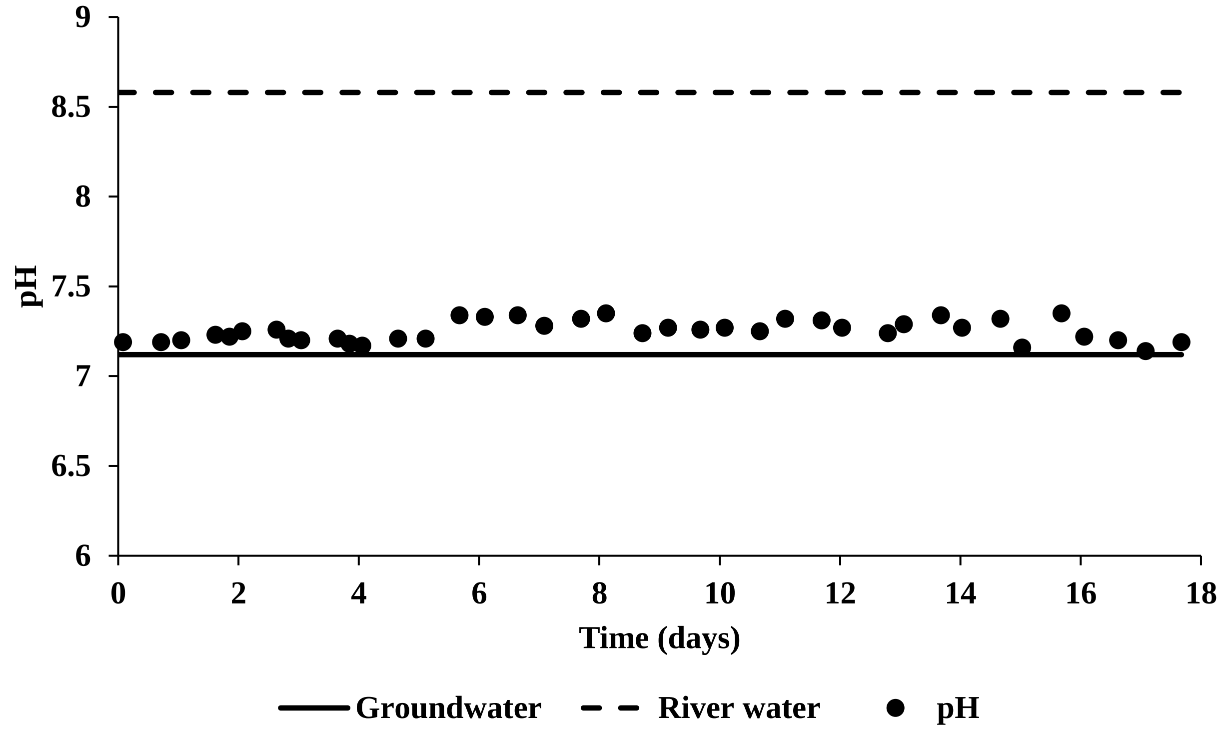

Figure 2.17 Measured pH versus time elapsed in days during sampling phase of multi-well drift test of well 1005, dashed line represents average pH in river water, solid line represents average pH in groundwater for well 1005 before injection

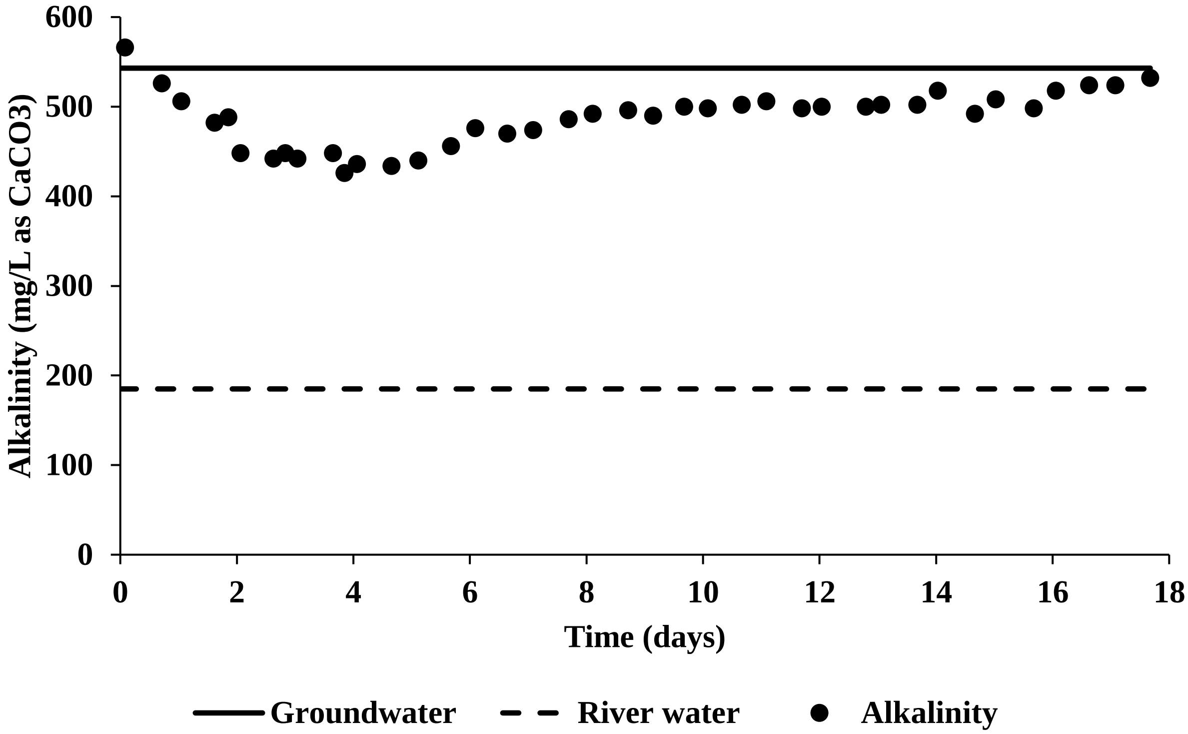

Figure 2.18 Measured alkalinity concentrations versus time elapsed in days during sampling phase of multi-well drift test of well 1005, dashed line represents average concentration of alkalinity in river water, solid line represents average concentration of alkalinity in groundwater for well 1005 before injection

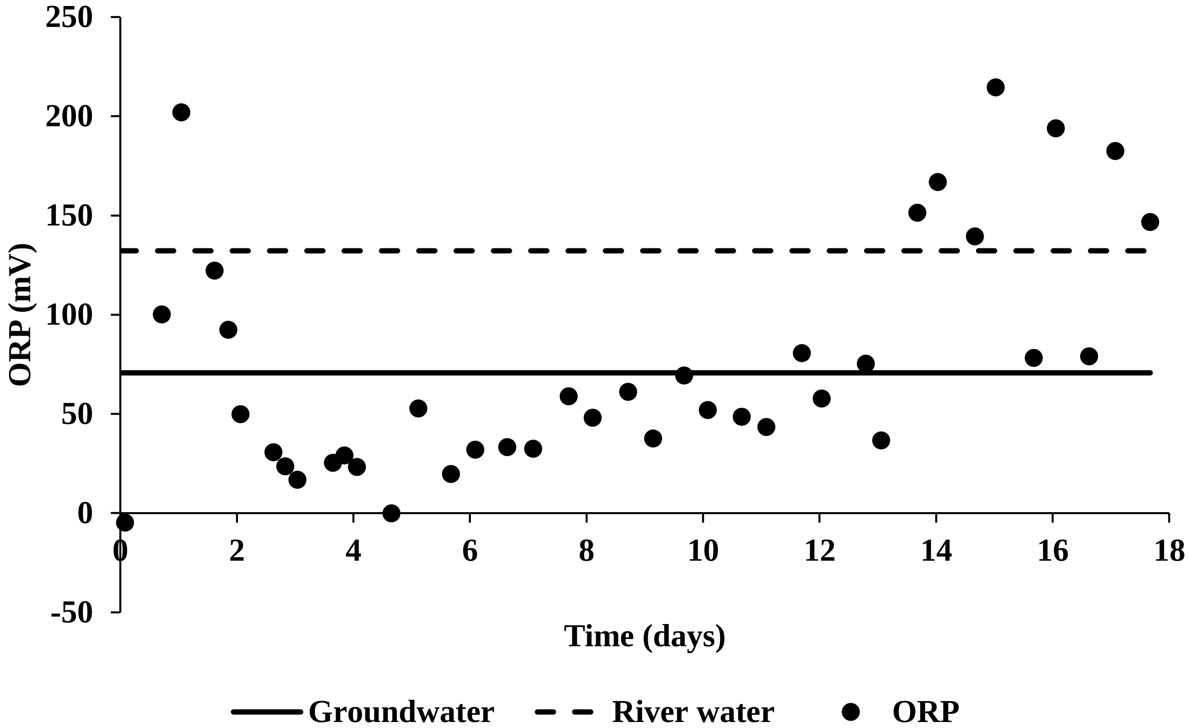

Figure 2.19 Measured ORP versus time elapsed in days during sampling phase of multi-well drift test of well 1005, dashed line represents average ORP in river water, solid line represents average ORP in groundwater for well 1005 before injection

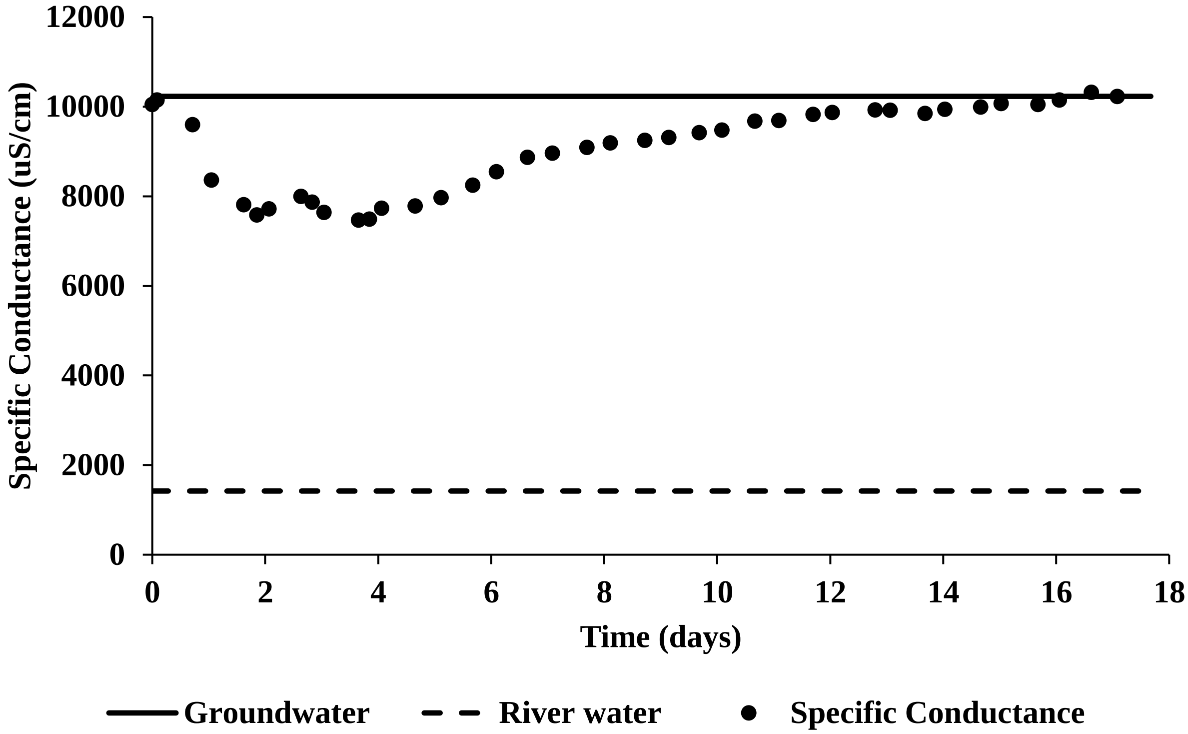

Figure 2.20 Measured specific conductance versus time elapsed in days during sampling phase of multi-well drift test at well 1005, dashed line represents average specific conductance in river water, solid line represents average specific conductance in groundwater for well 1005 before injection

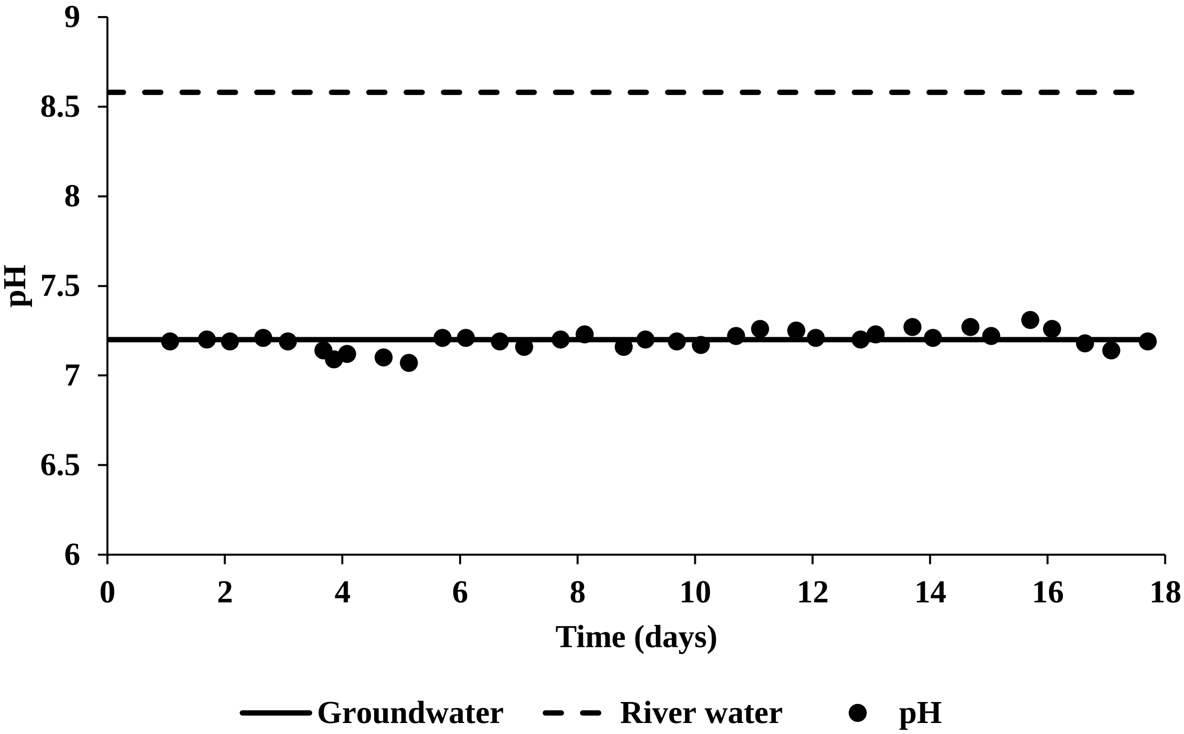

Figure 2.21 Measured pH versus time elapsed in days during sampling phase of multi-well drift test of well 1011, dashed line represents average pH in river water, solid line represents average pH in groundwater for well 1011 before injection

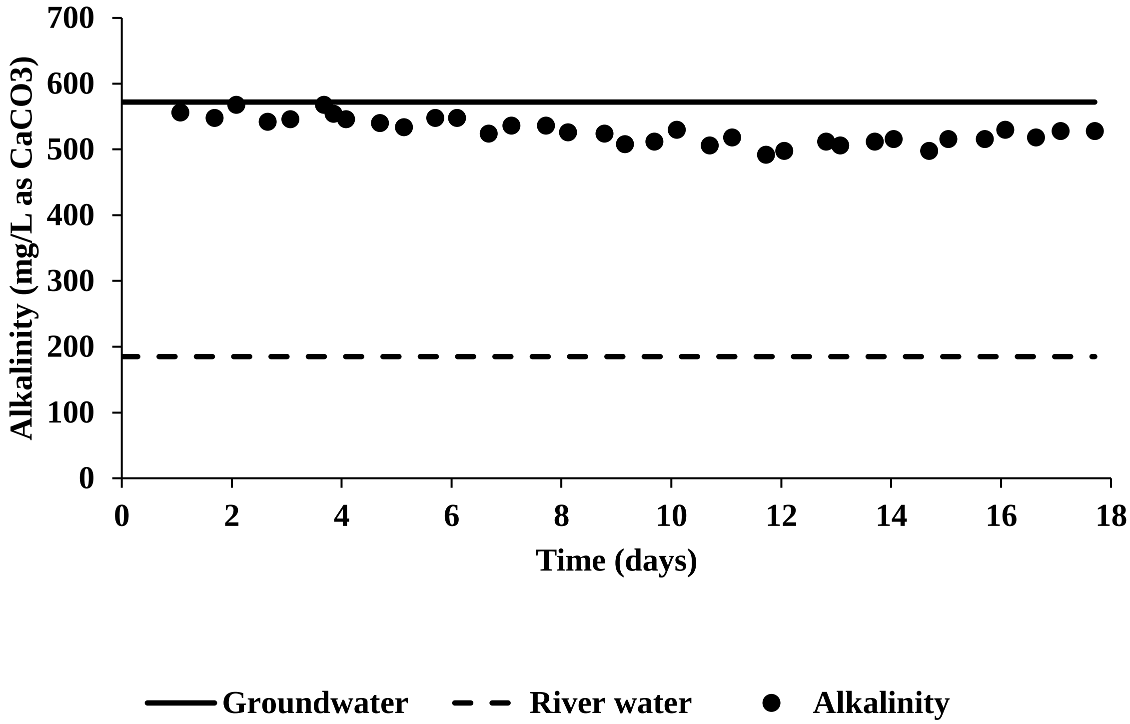

Figure 2.22 Measured alkalinity concentrations versus time elapsed in days during sampling phase of multi-well drift test of well 1011, dashed line represents average concentration of alkalinity in river water, solid line represents average concentration of alkalinity in groundwater for well 1011 before injection

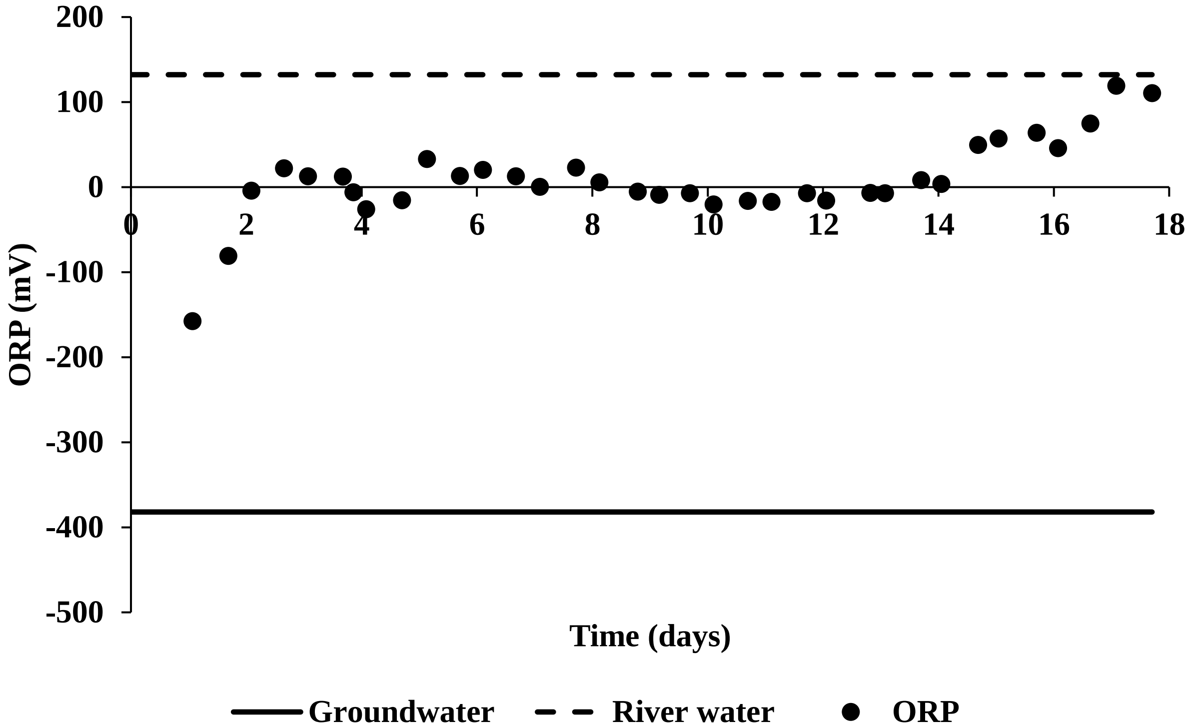

Figure 2.23 Measured ORP versus time elapsed in days during sampling phase of multi-well drift test of well 1011, dashed line represents average ORP in river water, solid line represents average ORP in groundwater for well 1011 before injection

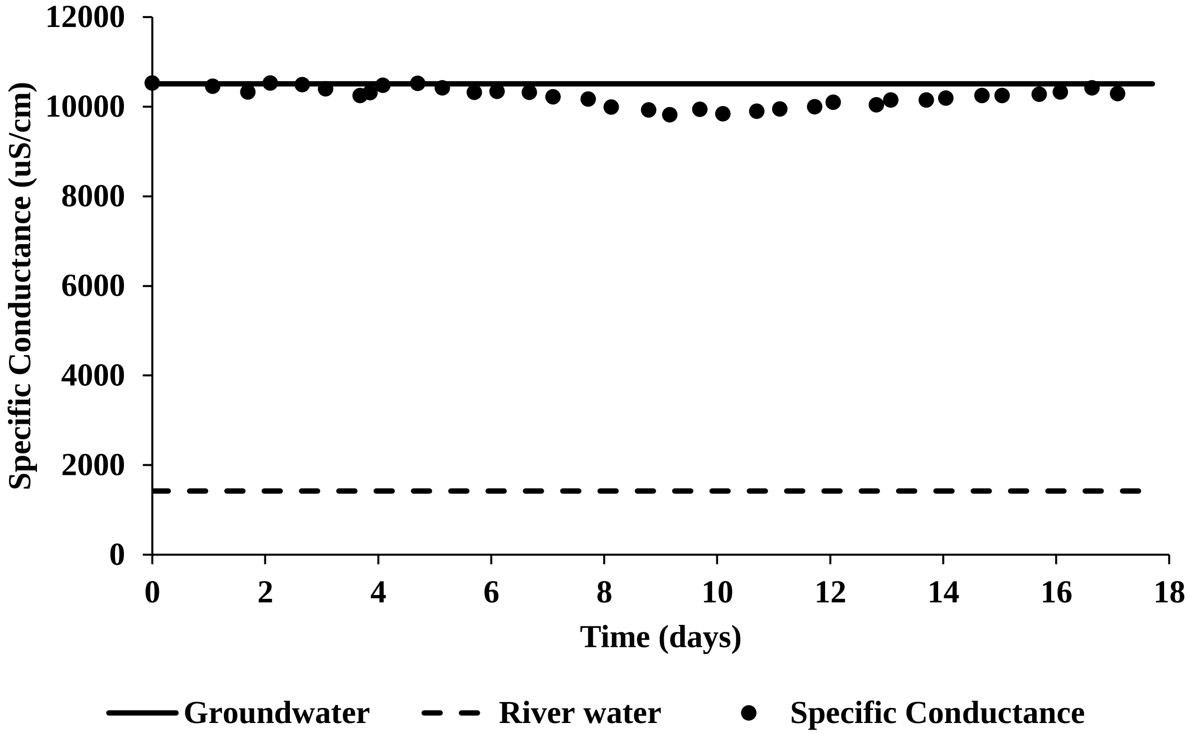

Figure 2.24 Measured specific conductance versus time elapsed in days during sampling phase of multi-well drift test at well 1011, dashed line represents average specific conductance in river water, solid line represents average specific conductance in groundwater for well 1011 before injection

2.3.2.2 Non-reactive tracer data

The results of iodide, PFB, and chloride concentrations versus time were analyzed to answer the following question: Do added and natural nonreactive tracers obey their upper and lower endmembers?

The concentrations of the nonreactive solutes, iodide and pentafluorobenzoate, obeyed the upper and lower endmembers among wells 1001, 1005, and 1011 (Figs. 2.25 and 2.26). It was observed there were a few times the measured concentrations of chloride were slightly

above the upper endmember, chloride concentrations in the aquifer fluid, in wells 1001 and 1011 (Fig. 2.27). However, the overall concentrations of the nonreactive solute, chloride, obeyed the upper and lower endmembers.

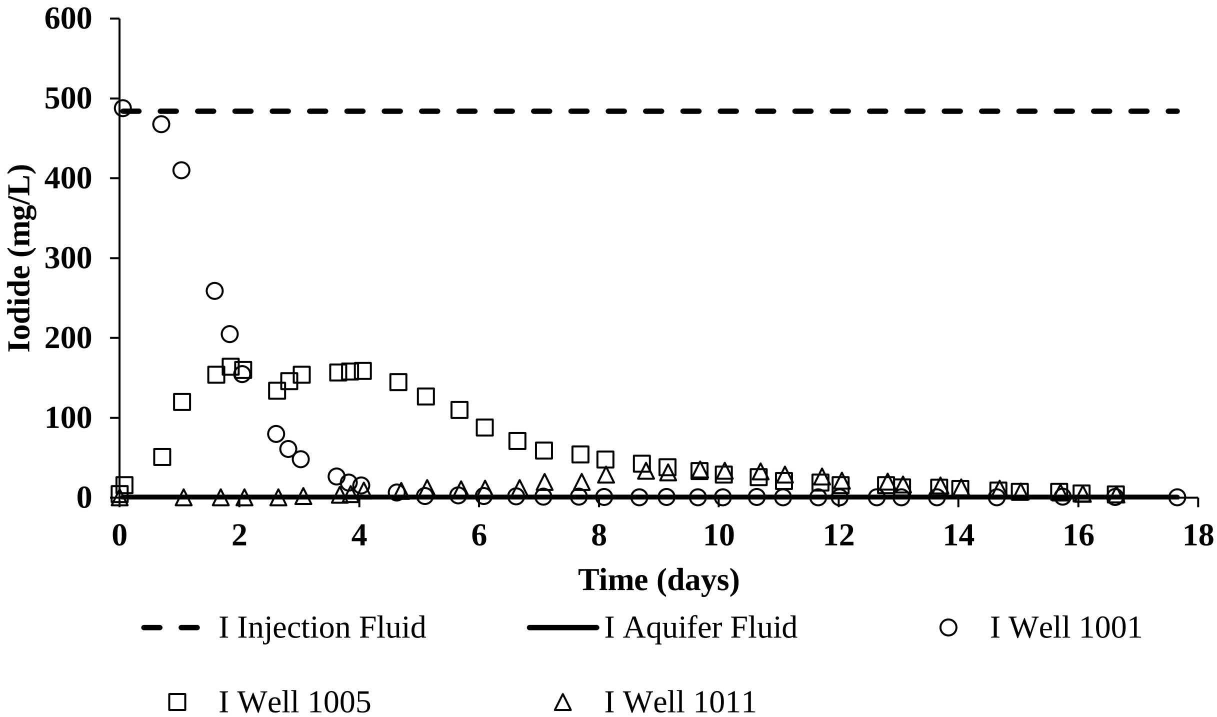

Figure 2.25 Iodide versus time elapsed in days during the drift phase post-injection for wells 1001, 1005, and 1011

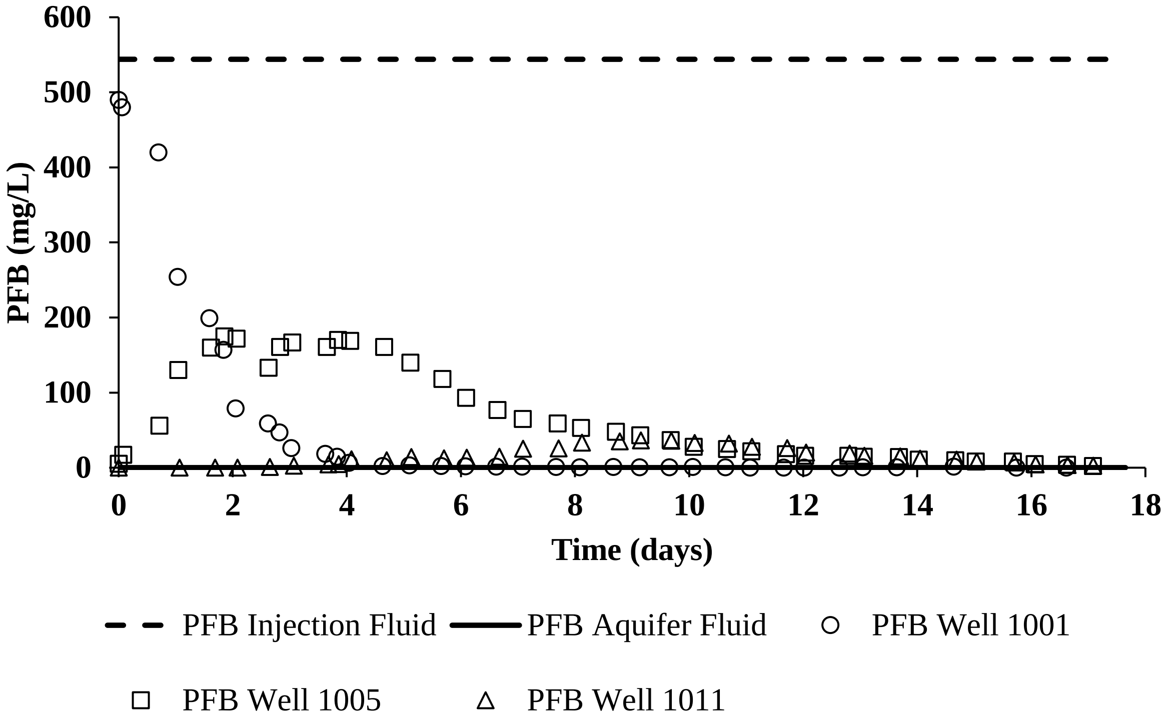

Figure 2.26 PFB versus time elapsed in days during the drift phase post-injection for wells 1001, 1005, and 1011

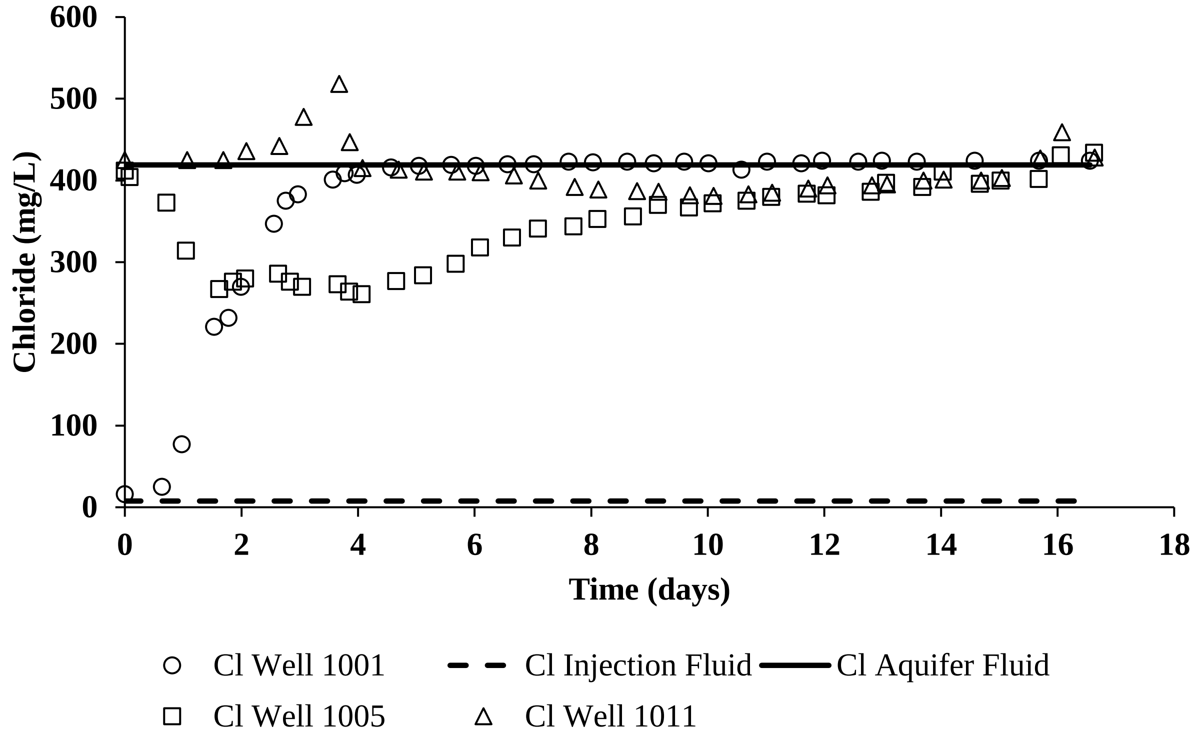

Figure 2.27 Chloride versus time elapsed in days during the drift phase post-injection for wells 1001, 1005, and 1011

In conclusion, these a priori nonreactive tracers, behaved within the endmembers that controlled its maximum and minimum concentrations. Iodide and PFB behaved according to the assumptions by Paradis, (2019).

2.3.2.3 Added conservative tracers (iodide and PFB)

The results of the relative concentrations of added conservative tracers versus time were analyzed to answer the following question: Does the aquifer have dual porosity/matrix diffusion?

If matrix diffusion occurred at this aquifer, iodide would have a lower peak and a longer tail compared to PFB due to their different aqueous diffusion coefficients. The concentrations of iodide and pentafluorobenzoate relative to their injected concentrations (C/C_0) versus their time elapsed during the drift phase were nearly identical among wells 1001, 1005, and 1011 (Figs. 2.28, 2.29, and 2.30).

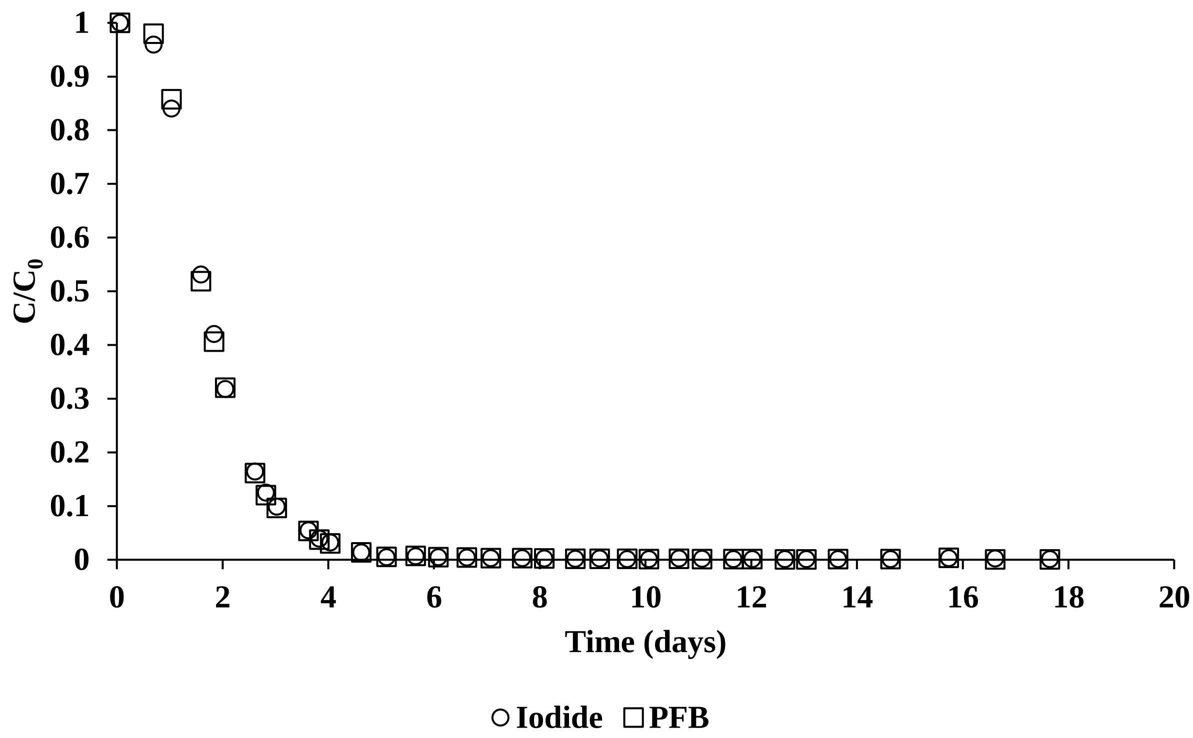

Figure 2.28 Relative concentration (C/C_0) in well 1001 of iodide and pentafluorobenzoate (PFB) versus time elapsed in days during the drift phase post-injection

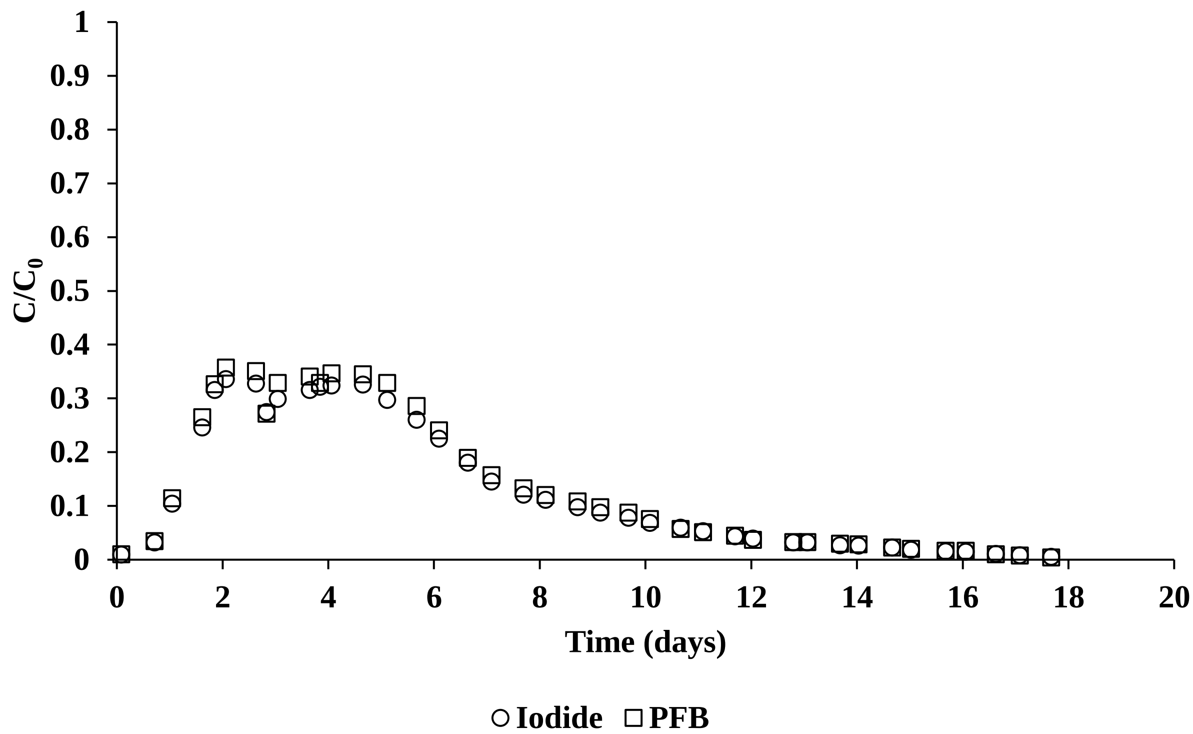

Figure 2.29 Relative concentration (C/C_0) in well 1005 of iodide and pentafluorobenzoate (PFB) versus time elapsed in days during the drift phase post-injection

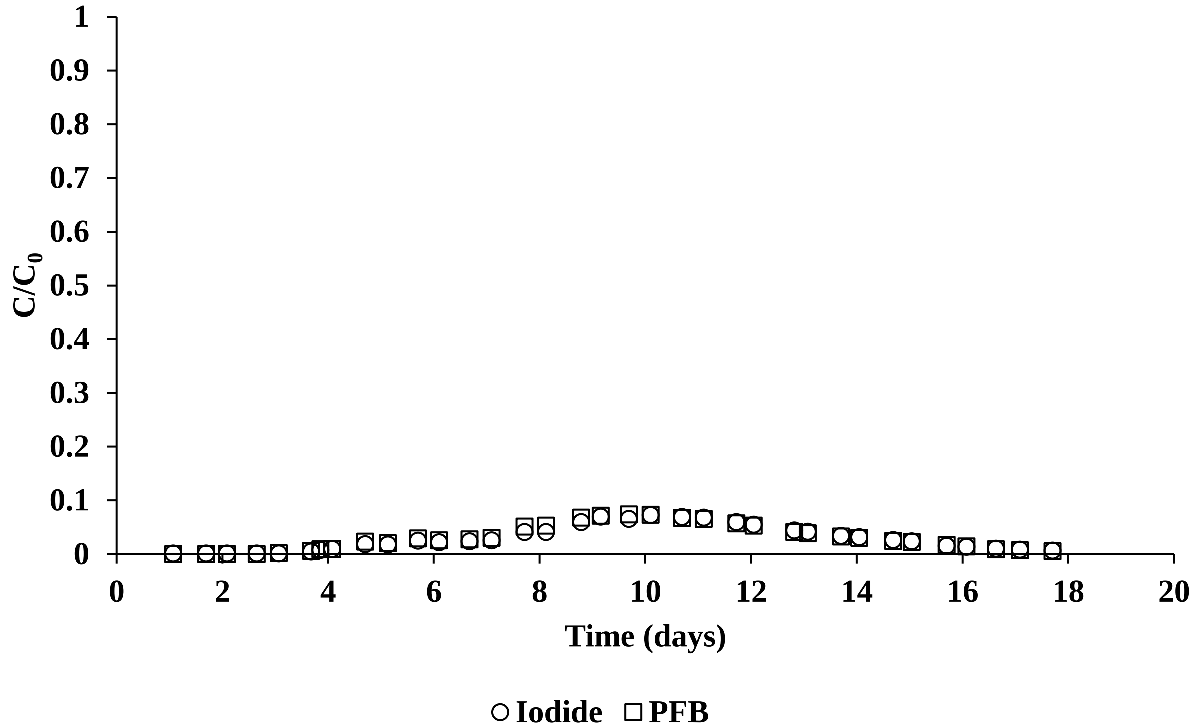

Figure 2.30 Relative concentration (C/C_0) in well 1011 of iodide and pentafluorobenzoate (PFB) versus time elapsed in days during the drift phase post-injection

These results further suggest that matrix diffusion is negligible. To conclude, the aquifer did not exhibit dual porosity/matrix diffusion.

2.3.2.4 Non-added conservative tracers (chloride)

The results of breakthrough curves of measured versus expected chloride were analyzed to answer the following question: Does Paradis et al., (2019) methodology for measured versus expected breakthrough curves show conservative behavior for chloride?

The breakthrough curve of measured chloride during the sampling phase in well 1001 was initially very near the concentration of the injection fluid and gradually approached that of

the aquifer fluid as time increased (Fig. 2.31). The breakthrough curves of measured chloride during the sampling phase of downgradient observation wells 1005 and 1011 were initially very near the concentration of the aquifer fluid and gradually deviated away towards the injection fluid concentration, and finally returned to the aquifer fluid concentration as time increased (Figs. 2.32 and 2.33).

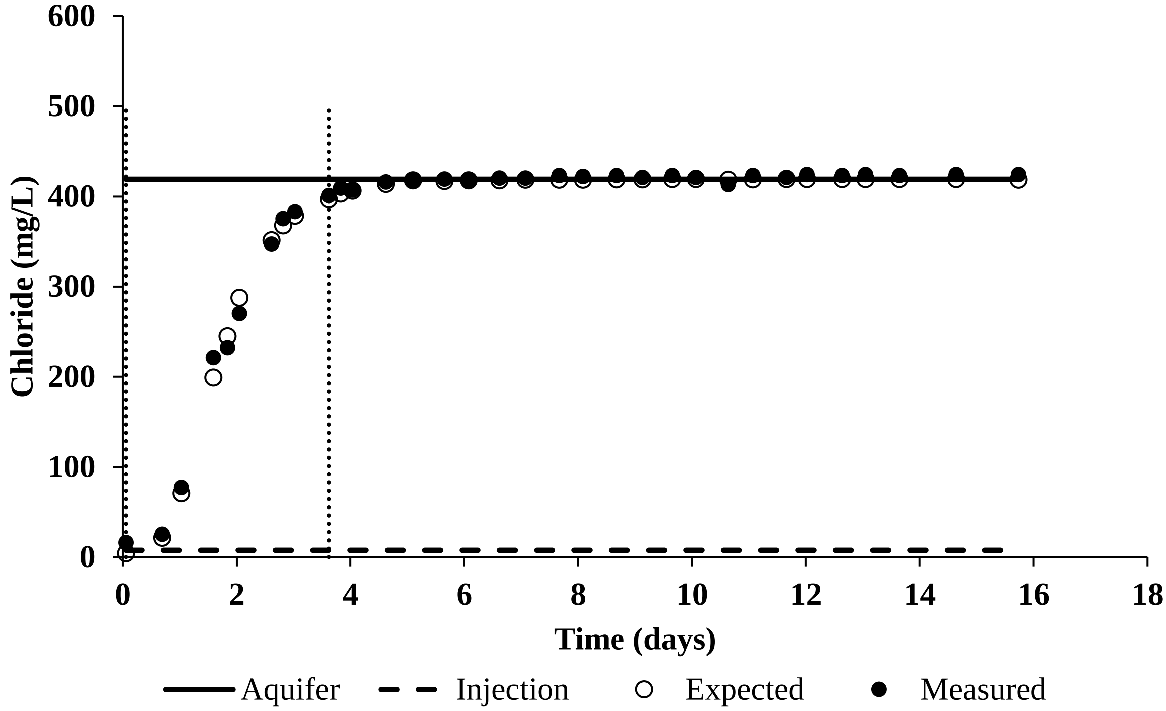

Figure 2.31 Concentrations of chloride (solid circles) during the sampling phase of multi-well drift test of injection well 1001, dashed line indicates average concentration of chloride in the injection fluid, solid line indicates average concentrations of chloride in the well 1001 aquifer fluid before injection, open circles indicate the expected concentration of chloride based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 1.01±0.1

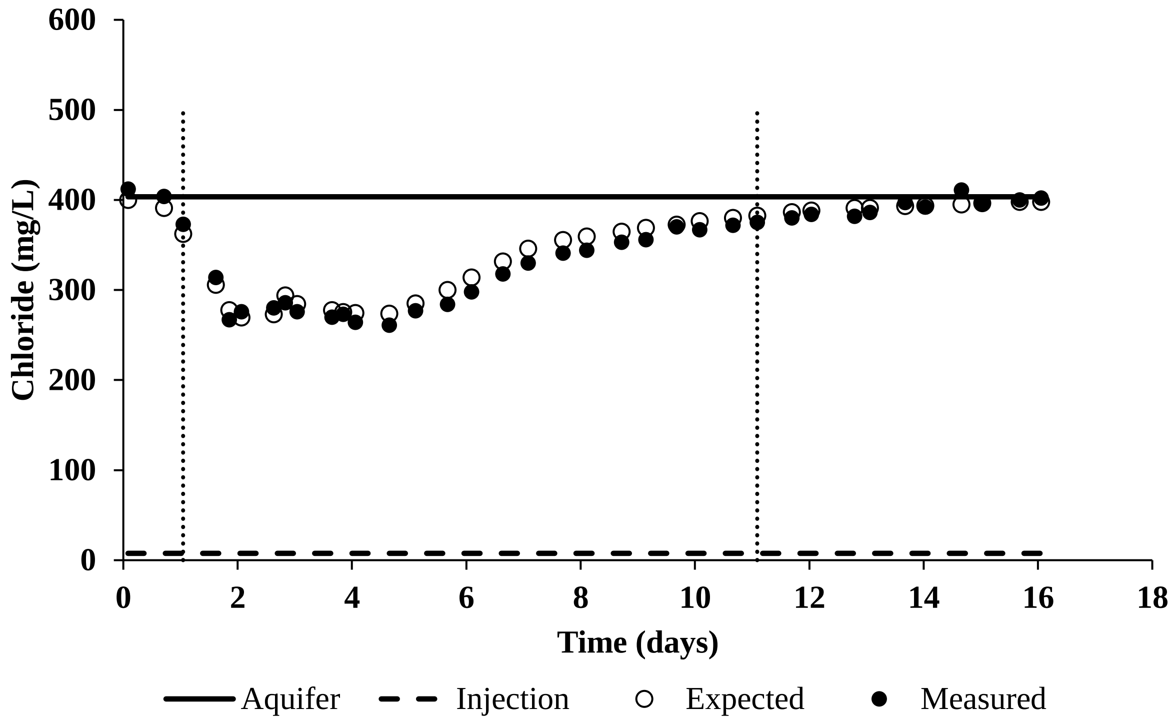

Figure 2.32 Concentrations of chloride (solid circles) during the sampling phase of multi-well drift test of injection well 1005, dashed line indicates average concentration of chloride in the injection fluid, solid line indicates average concentrations of chloride in the well 1005 aquifer fluid before injection, open circles indicate the expected concentration of chloride based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.97±0.097

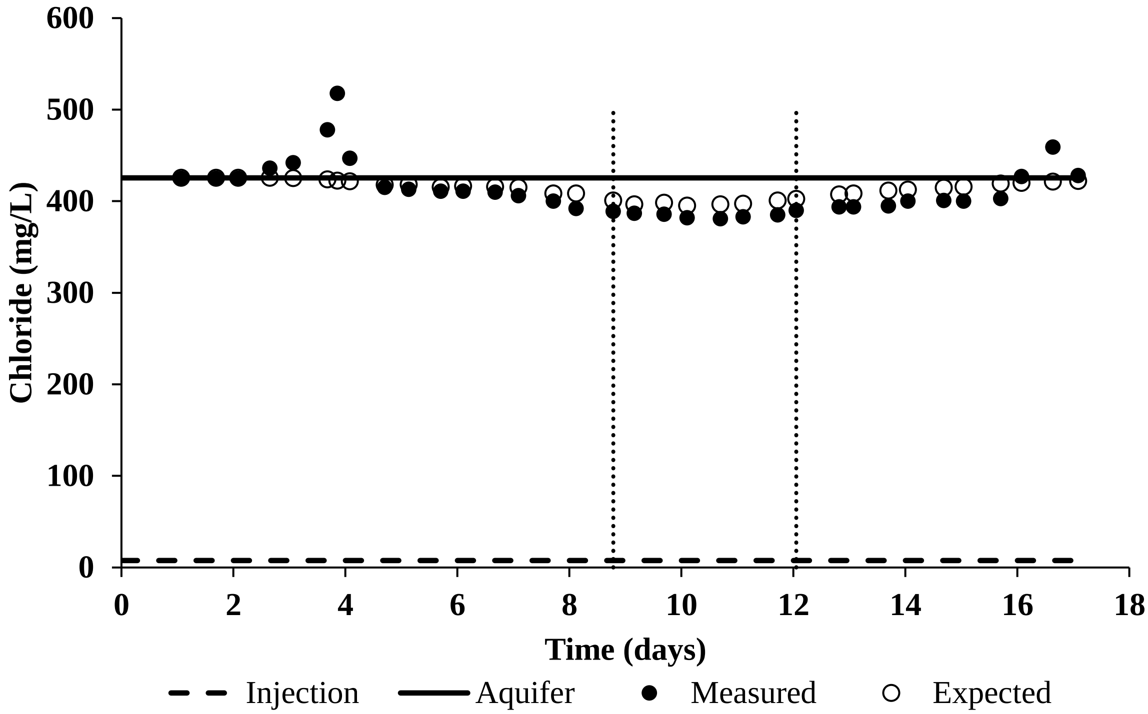

Figure 2.33 Concentrations of chloride (solid circles) during the sampling phase of multi-well drift test of injection well 1011, dashed line indicates average concentration of chloride in the injection fluid, solid line indicates average concentrations of chloride in the well 1011 aquifer fluid before injection, open circles indicate the expected concentration of chloride based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.97±0.097

Breakthrough curves of the measured versus expected chloride were nearly identical and thus the recovery factors for each well (1001, 1005, 1011) of chloride were equal to one as defined by Equations 5 and 6 and resulted in no net removal or addition of chloride from the aqueous phase. These results indicated that the mass transport mechanisms of iodide and chloride were no different, and that advection and dispersion are likely the two dominant transport mechanisms.

The natural contrast of the concentrations of chloride between the injection fluid and aquifer fluid and its breakthrough curves suggest that this non-added (natural) conservative tracer

could be used to characterize nonreactive transport during the multi-well injection-drift test, in addition to iodide.

2.3.2.5 Uranium

The results of breakthrough curves of measured versus expected uranium were analyzed to answer the following question: Does recharge of river water mobilize uranium in groundwater?

The breakthrough curve of measured uranium during the sampling phase in well 1001 was initially very near the concentration of the injection fluid and gradually approached that of the aquifer fluid as time increased (Fig. 2.34). The breakthrough curve of measured uranium during the sampling phase of downgradient observation well 1005 was initially very near the concentration of the aquifer fluid and gradually deviated away towards the injection fluid concentration, and finally returned to the aquifer fluid concentration as time increased (Fig. 2.35). The breakthrough curve of measured uranium during the sampling phase of downgradient observation well 1011 began slightly above the concentration of the aquifer fluid and generally stayed above the aquifer fluid concentration as time increased (Fig. 2.36). Similar uranium concentrations before and after the numerical integration timeframe (Fig. 2.36) suggests that there might be some measurement error for uranium concentration in well 1011 prior to the injection.

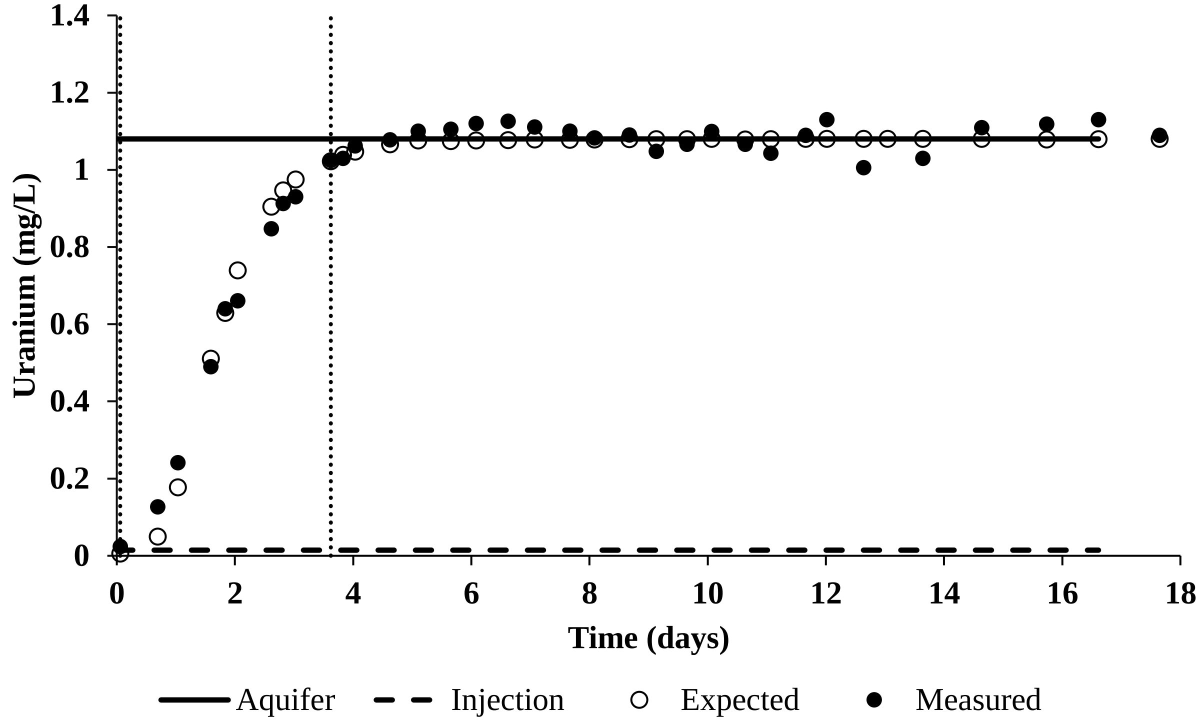

Figure 2.34 Concentrations of uranium (solid circles) during the sampling phase of mutli-well drift test of injection well 1001, dashed line indicates average concentration of uranium in the injection fluid, solid line indicates average concentrations of uranium in the well 1001 aquifer fluid before injection, open circles indicate the expected concentration of uranium based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.98±0.098

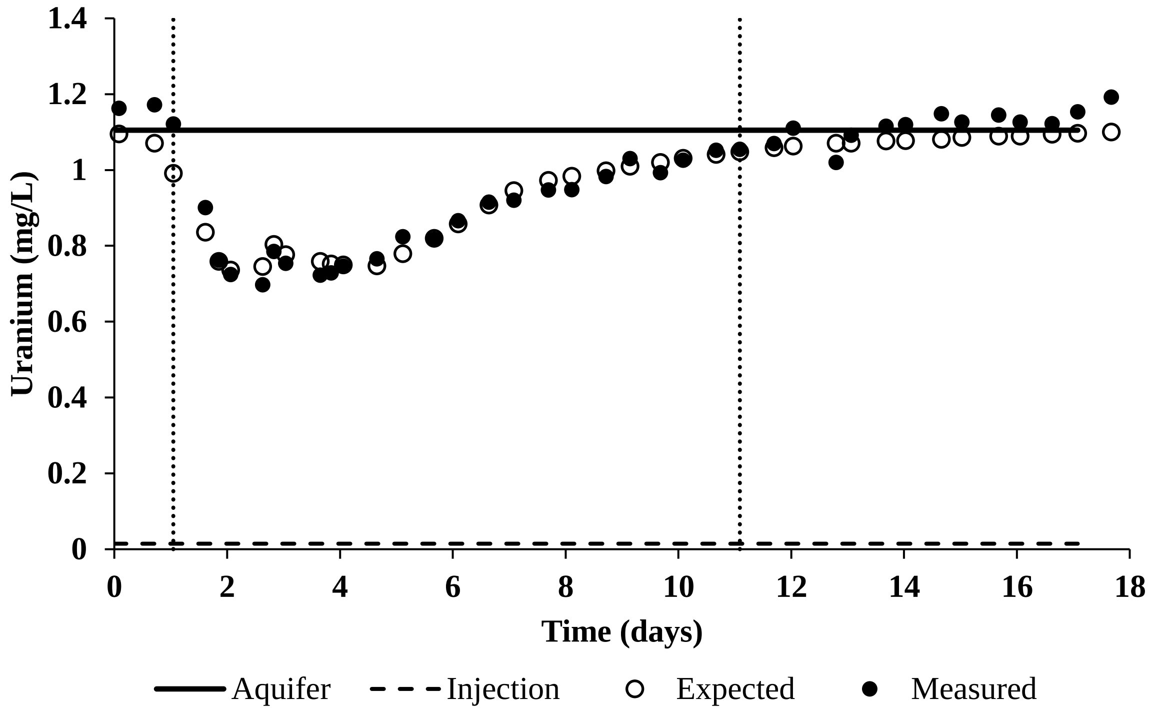

Figure 2.35 Concentrations of uranium (solid circles) during the sampling phase of single-well drift test of well 1005, dashed line indicates average concentration of uranium in the injection fluid, solid line indicates average concentrations of uranium in the well 1005 aquifer fluid before injection, open circles indicate the expected concentration of uranium based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 1.00±0.1

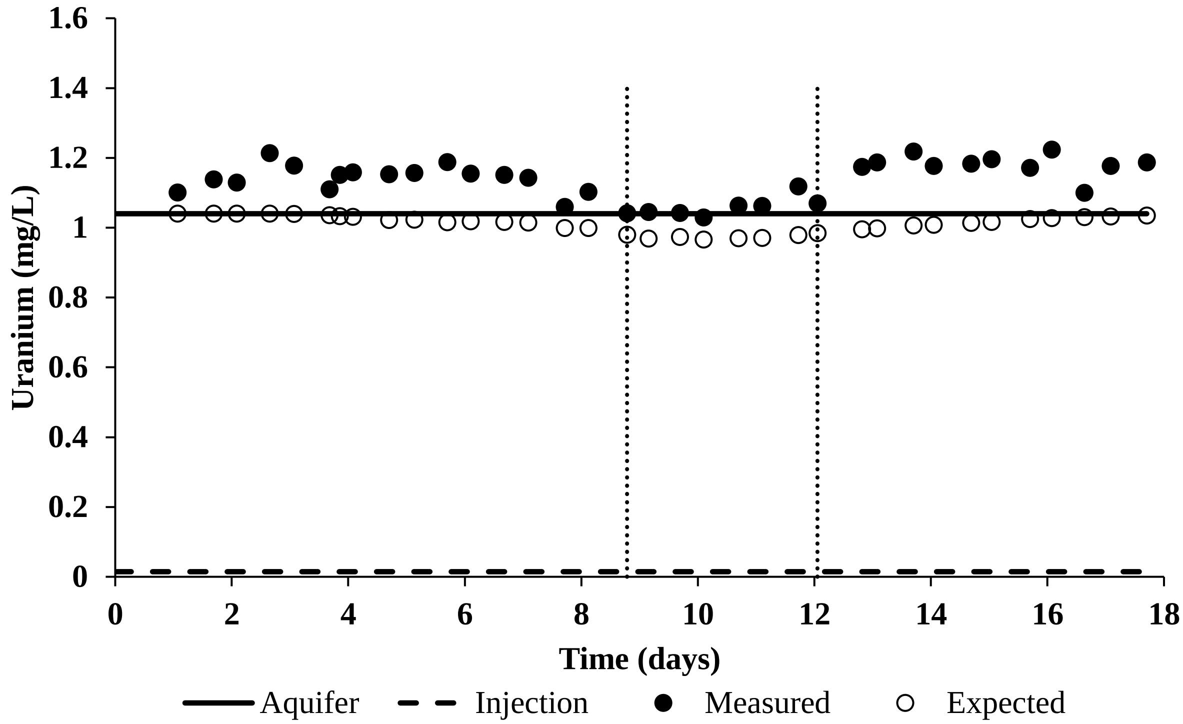

Figure 2.36 Concentrations of uranium (solid circles) during the sampling phase of single-well drift test of well 1011, dashed line indicates average concentration of uranium in the injection fluid, solid line indicates average concentrations of uranium in the well 1011 aquifer fluid before injection, open circles indicate the expected concentration of uranium based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 1.10±0.11

The breakthrough curves of measured versus expected uranium were nearly identical among wells 1001 and 1005 (Fig. 2.34 and 2.35). This resulted in a recovery factor of nearly one which indicated that no net addition or removal of uranium from the aquifer to the sampling fluid occurred for wells 1001 and 1005. These results indicated that the mass transport characteristics of iodide and uranium were identical. In contrast, the measured concentration of uranium slightly exceeded the expected concentration of uranium for well 1011 and resulted in a recovery factor greater than one (Fig. 2.36 and Table 2.8). These results possibly indicate that a minor net addition of uranium from the aquifer to the sampling fluid could have occurred between wells 1005 and 1011 in the saturated zone unless pre-injection uranium concentrations for well 1011

included measurement error with artificially low uranium concentrations. If a minor net addition occurred, the mechanism responsible for the mobilization of uranium was likely desorption due to the natural contrast in the geochemistry between the river- and groundwater. However, a recovery factor of 1.1 could also be an effect from possible analytical error/uncertainty, as mentioned above. With a 10% uncertainty of the 1.1 recovery factor, this still would put the recovery factor of expected versus measured uranium between wells 1005 and 1011 around one, thus indicating no net removal or addition of the solute occurred. In summary, the recharge of river water did not mobilize uranium in groundwater. Overall, uranium behaved as expected for advection and dispersion processes only; therefore, advection and dispersion are likely the two dominant transport mechanisms.

It is essential to ask if the recovery factors of chloride and uranium (VI) are any different among wells 1001, 1005, and 1011. There is no difference in recovery factors within the injection well (1001) and downgradient well 1005 for chloride and uranium. In contrast, there is a slight difference in downgradient well 1011 (Table 2.8).

Table 2.8 Recovery factors of nonreactive (Chloride) and reactive (U(VI)) solutes for each of the wells (1001, 1005, and 1011)

Solute	Well 1001	Well 1005	Well 1011
Chloride	1.01±0.1	0.97±0.097	0.97±0.097
Uranium	0.98±0.098	1.00±0.1	1.10± 0.11

Recovery factors greater than 1 indicate a net production, recovery factors less than 1 indicate a net removal, recovery factors equal to 1 indicate a no net change

Based on the trends among the added, natural, and reactive solutes, the results indicate that the mass transport characteristics, i.e., advection and dispersion, of chloride and uranium are no different. Thus, uranium appears to behave as a conservative element, like chloride.

2.3.2.6 Manganese, Iron, and Sulfate

The breakthrough curves of measured versus expected Mn, total Fe, and SO_4^{2-} were analyzed to answer the following question: Does recharge of river water cause redox reactions?

Manganese

The breakthrough curve of measured manganese during the sampling phase in well 1001 was initially very near the concentration of the injection fluid and gradually approached that of the aquifer fluid concentration as time increased (Fig. 2.37). The breakthrough curve of measured manganese during the sampling phase of downgradient observation well 1005 was initially very near the concentration of the aquifer fluid and peaked above the aquifer fluid and finally returned towards the aquifer fluid concentration as time increased (Fig. 2.38). The breakthrough curve of measured manganese during the sampling phase of downgradient observation well 1011 was initially very near the concentration of the aquifer fluid, deviated away towards the injection fluid, and remained in between the aquifer and injection fluid concentrations (Fig. 2.39).

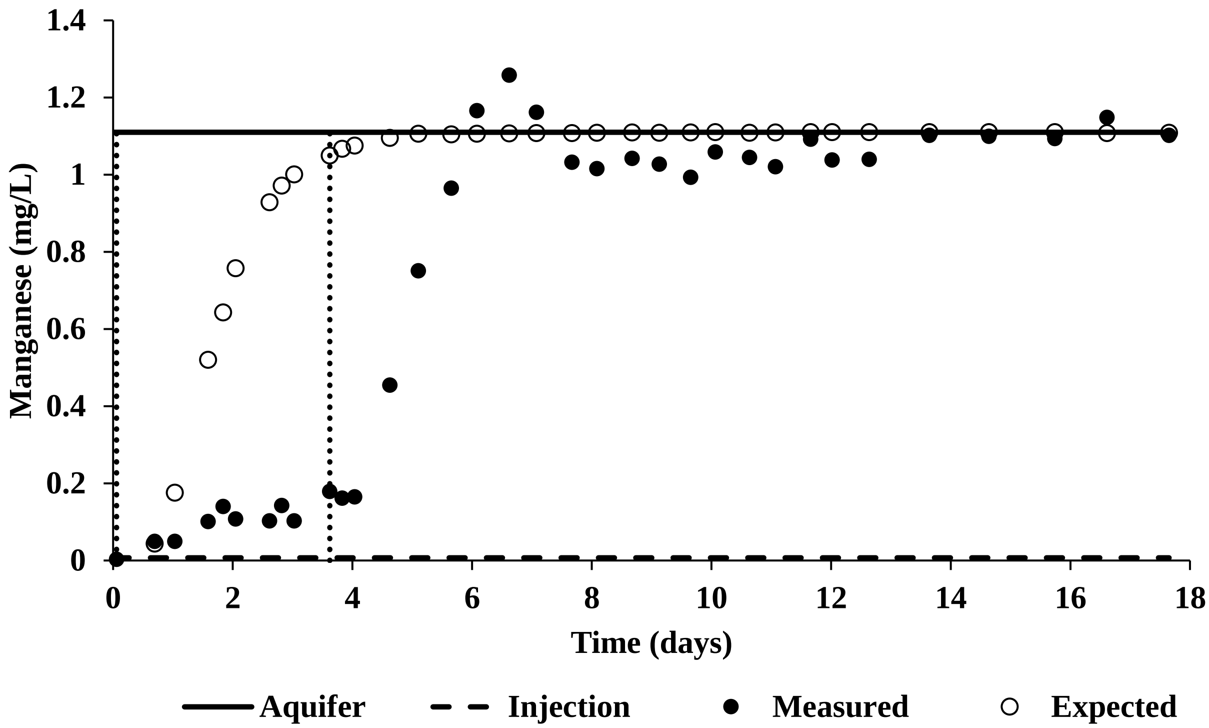

Figure 2.37 Concentrations of manganese (solid circles) during the sampling phase of multi-well drift test of well 1001, dashed line indicates average concentration of manganese in the injection fluid, solid line indicates average concentrations of manganese in the well 1001 aquifer fluid before injection, open circles indicate the expected concentration of manganese based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.16±0.016

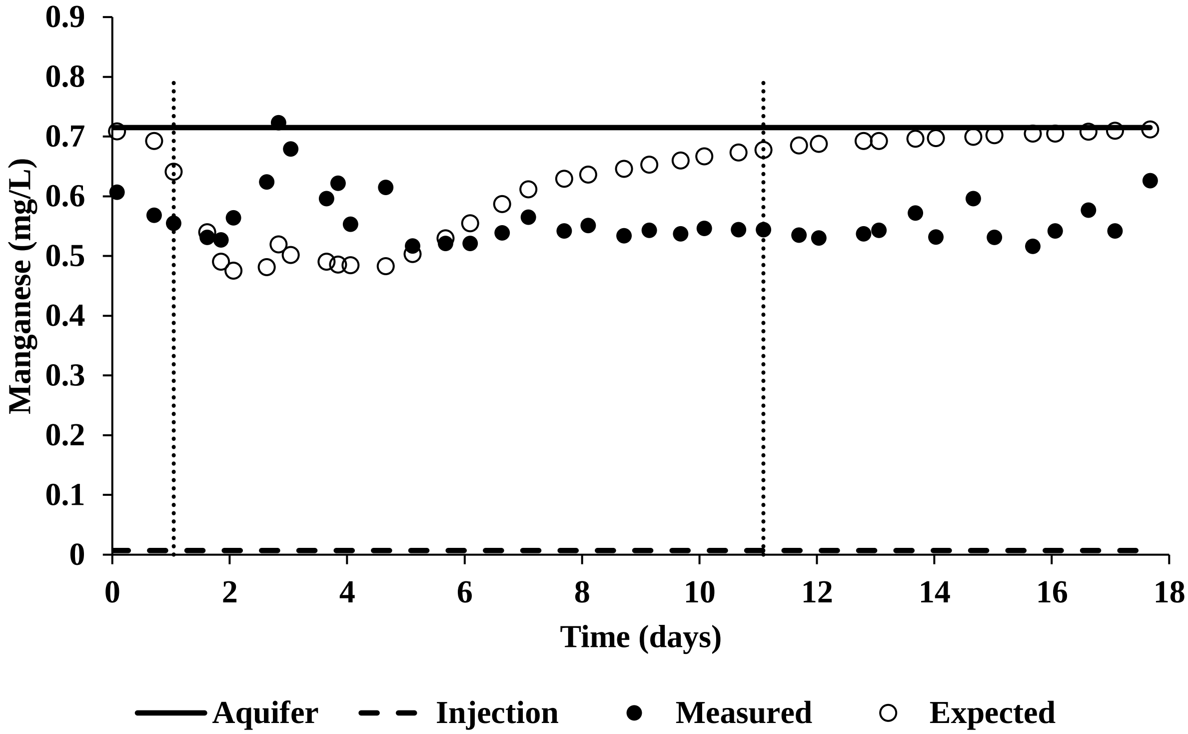

Figure 2.38 Concentrations of manganese (solid circles) during the sampling phase of multi-well drift test of well 1005, dashed line indicates average concentration of manganese in the injection fluid, solid line indicates average concentrations of manganese in the well 1005 aquifer fluid before injection, open circles indicate the expected concentration of manganese based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.97±0.097

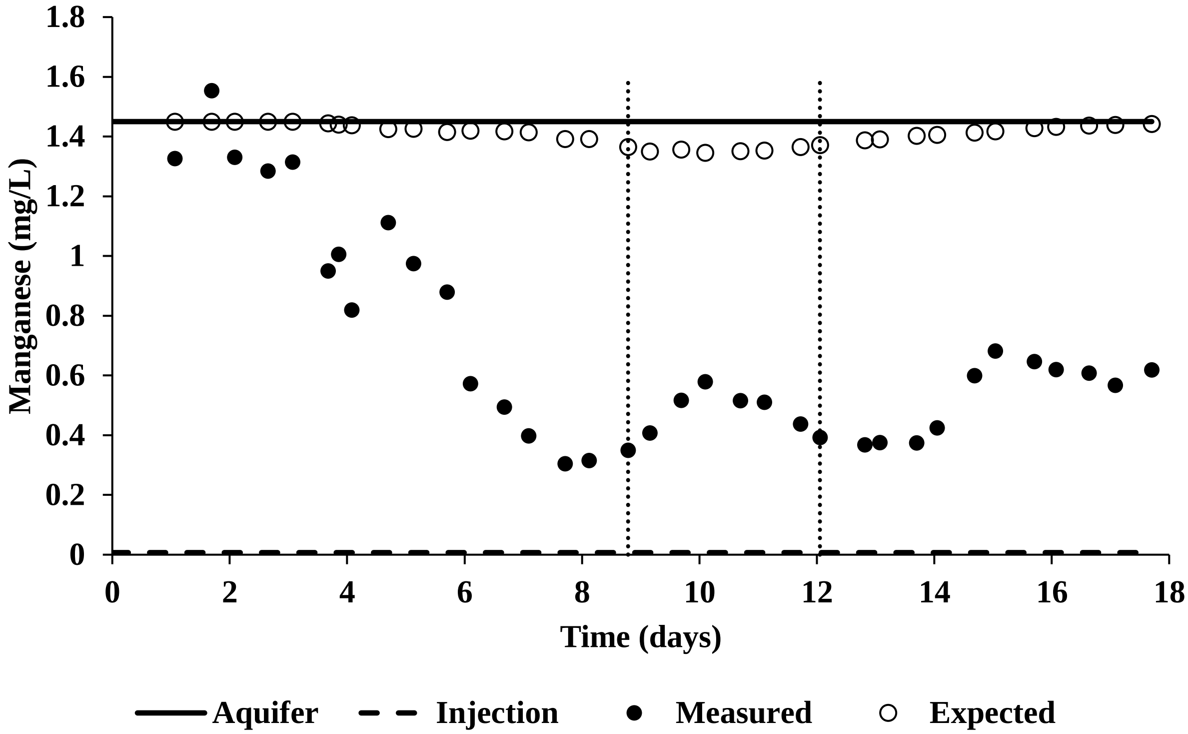

Figure 2.39 Concentrations of manganese (solid circles) during the sampling phase of multi-well drift test of well 1011, dashed line indicates average concentration of manganese in the injection fluid, solid line indicates average concentrations of manganese in the well 1011 aquifer fluid before injection, open circles indicate the expected concentration of manganese based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.34±0.034

The measured concentration of manganese was less than the expected concentration of manganese for wells 1001 and 1011 and thus resulted in recovery factors less than one (Table 2.9). These results indicate a net removal of manganese from the aqueous phase to the solid phase for wells 1001 and 1011. The mechanisms responsible for the immobilization of manganese were likely oxidation-reduction reactions. In contrast, the measured versus expected concentrations of manganese for well 1005 were not identical although resulted in a recovery factor of nearly one. While the recovery factor for manganese in well 1005 appears to be no different than iodide, if you look in between the limits of integration (Fig. 2.38), there appears to be a net addition of measured manganese around days two to four followed by a net loss around

days seven to eighteen. The net addition equals the net loss, thus why the recovery factor is nearly one.

These results indicate that we are oxidizing manganese by introducing oxygen-rich river water to nearby oxygen-poor groundwater. Thus, manganese concentrations are less than expected if manganese would have behaved conservatively. This is direct evidence that there are redox sensitive reactions occurring, with likely precipitation of manganese on the solid phase.

Iron

The breakthrough curves of measured iron during the sampling phase at all three wells (1001, 1005, and 1011) were very noisy. The breakthrough curves of measured versus expected total iron were not identical among each of the three wells. The measured concentration of iron was substantially less than the expected concentration of iron at well 1001 and resulted in a recovery factor less than one (Fig. 2.41 and Table 2.9). This result indicated that a net removal of iron from the aqueous phase to the solid phase occurred at well 1001. The mechanism responsible for the immobilization of iron were likely oxidation-reduction reactions. In contrast, the measured concentration of iron was substantially more than the expected concentration of iron at well 1005 and resulted in a recovery factor greater than one (Fig. 2.42 and Table 2.9). This result indicated that a net addition of iron to the aqueous phase occurred at well 1005. It is possible that iron at well 1005 was mobilized, however due to the noisy data and with heterogeneity moving further away from the injection well, it is difficult to say if any reaction is occurring at this well. Moreover, the measured versus expected concentrations of iron at well 1011 were not identical although resulted in a recovery factor of nearly one. While the recovery factor for iron in well 1011 appears to be no different than iodide, if you look in between the

limits of numerical integration (Fig. 2.43), there appears to be a net addition of measured iron in the middle followed by a net loss around the limit edges. The net addition equals the net loss, thus why the recovery factor is nearly one.

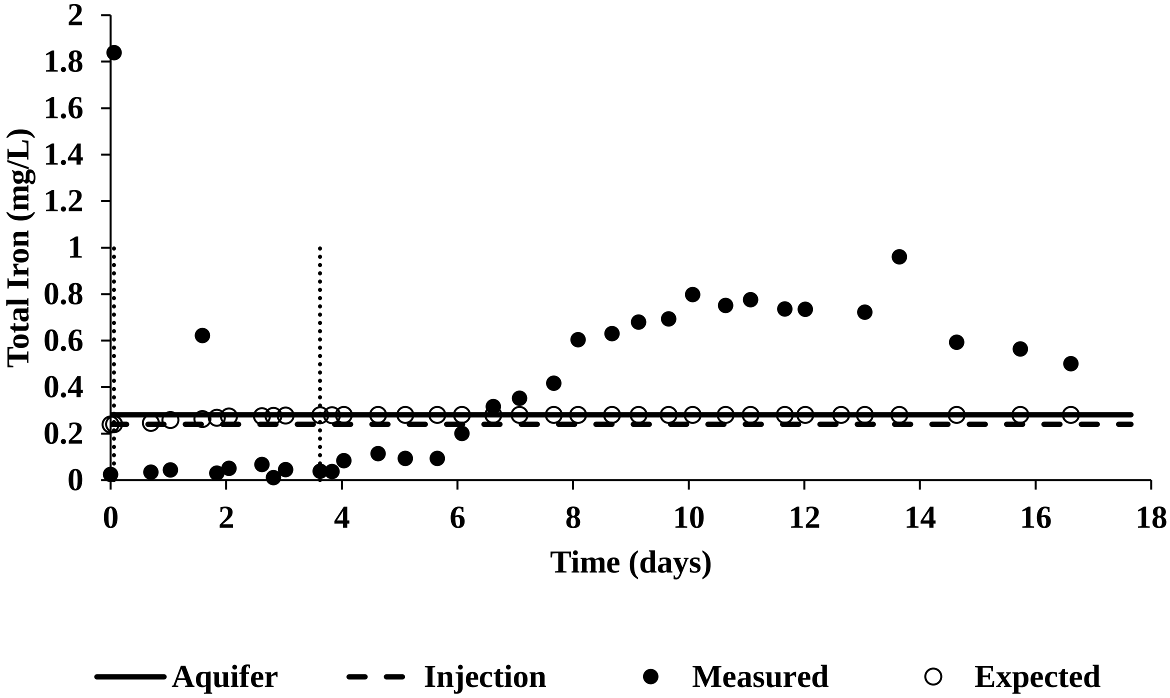

Figure 2.40 Concentrations of total iron (solid circles) during the sampling phase of multi-well drift test of well 1001, dashed line indicates average concentration of iron in the injection fluid, solid line indicates average concentrations of iron in the well 1001 aquifer fluid before injection, open circles indicate the expected concentration of iron based on iodide, dotted line indicates numerical integration timeframe

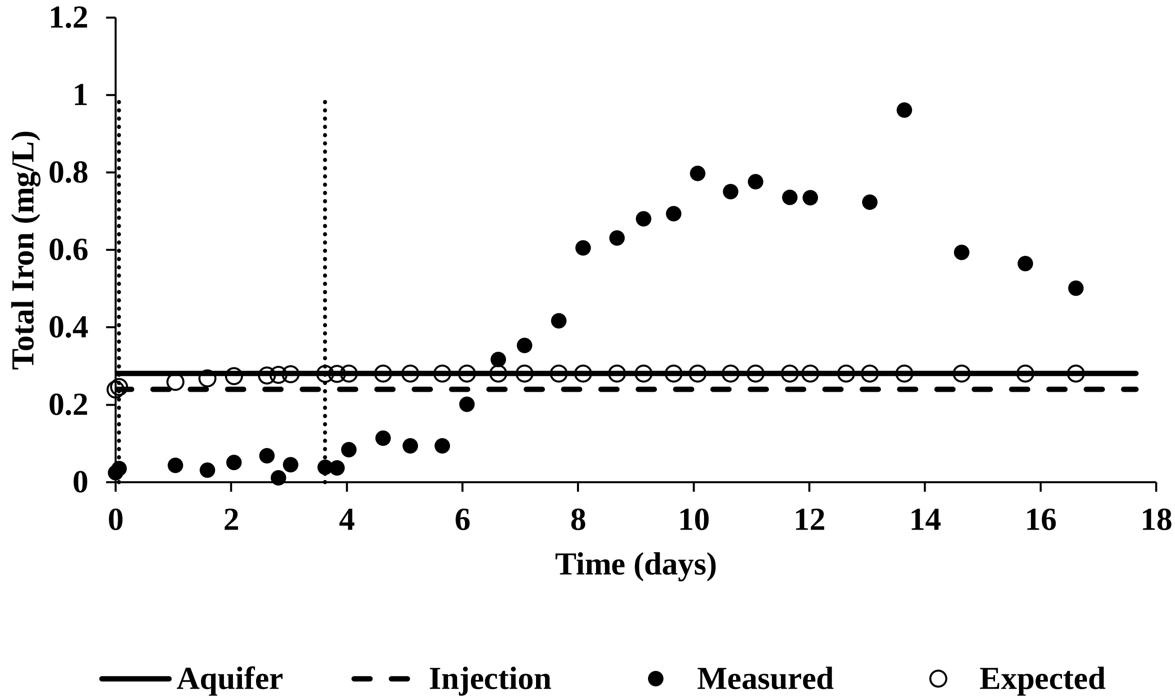

Figure 2.41 Assumed data without outliers for expected versus measured total iron at well 1001, and calculated recovery factor (RF) is 0.15±0.015

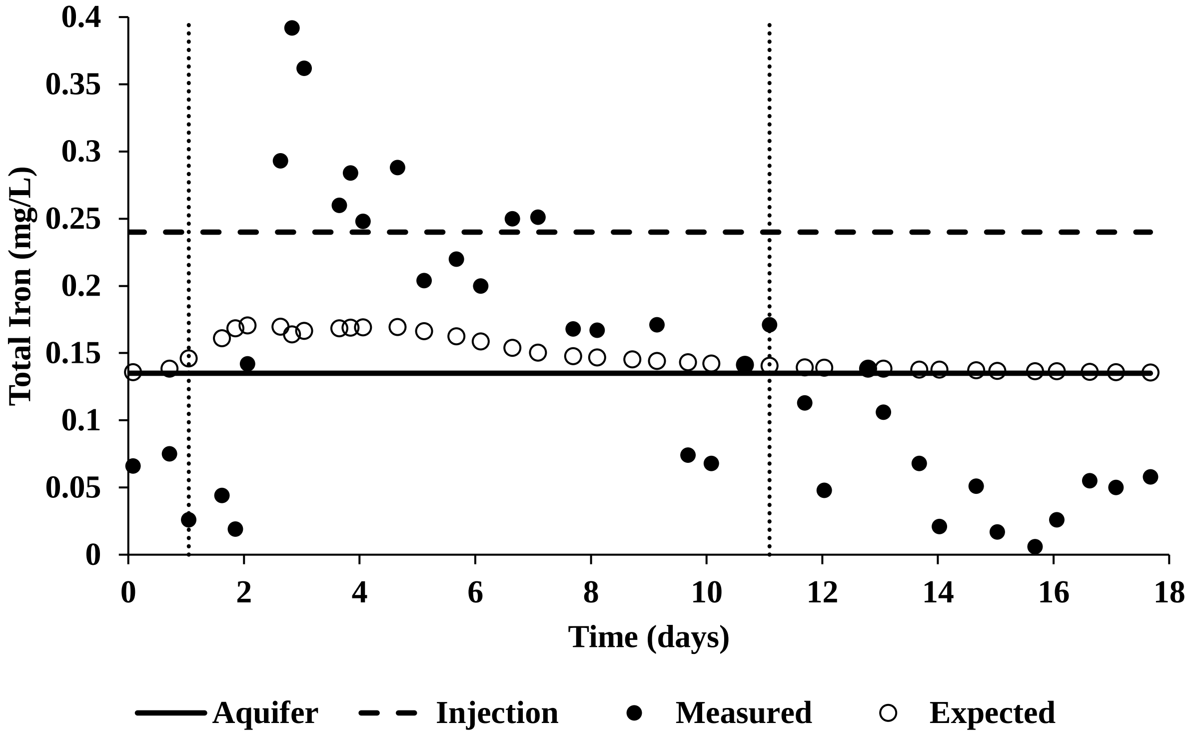

Figure 2.42 Concentrations of total iron (solid circles) during the sampling phase of multi-well drift test of well 1005, dashed line indicates average concentration of iron in the injection fluid, solid line indicates average concentrations of iron in the well 1005 aquifer fluid before injection, open circles indicate the expected concentration of iron based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 1.4±0.14

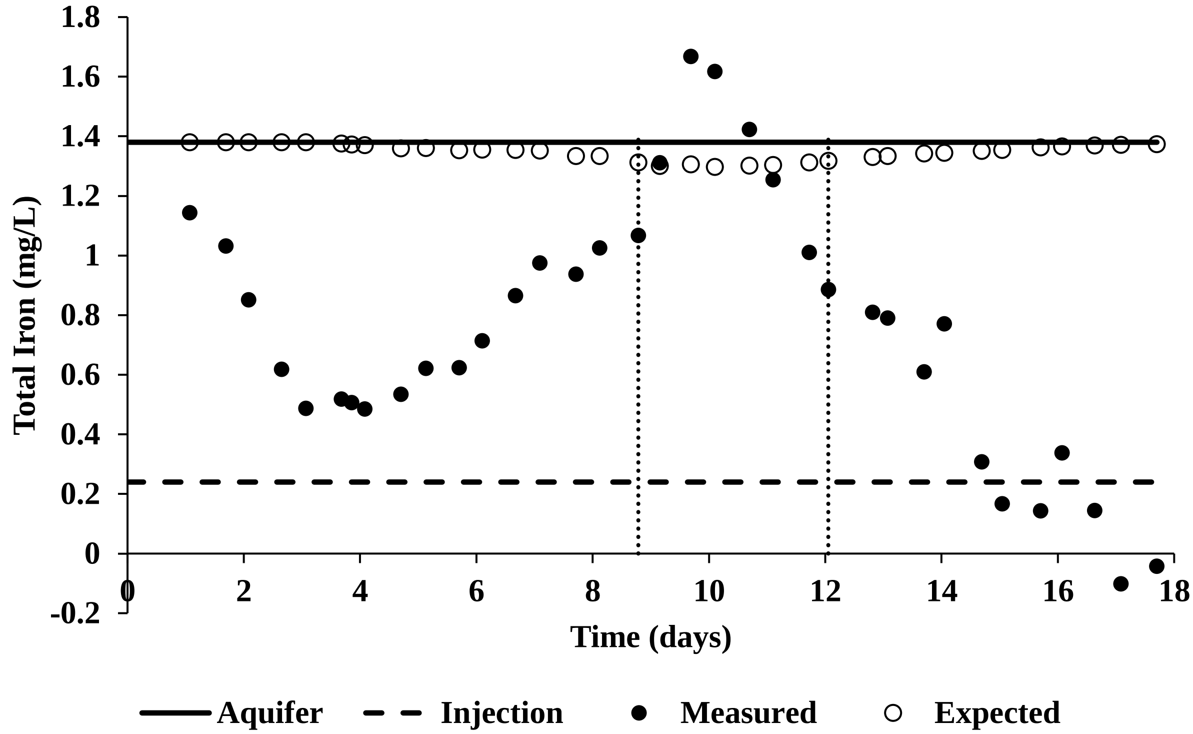

Figure 2.43 Concentrations of total iron (solid circles) during the sampling phase of multi-well drift test of well 1011, dashed line indicates average concentration of iron in the injection fluid, solid line indicates average concentrations of iron in the well 1011 aquifer fluid before injection, open circles indicate the expected concentration of iron based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.95±0.095

Wells 1005 and 1011 are downgradient, therefore the signal is dampened and thus, the data are noisier. The more space there is between two points, i.e., wells, the more heterogeneity you encounter. Due to these reasons, it is hard to say if anything is occurring this far away from the injection well. Therefore, results from well 1001 inform that we are oxidizing iron by introducing oxygen-rich river water to nearby oxygen-poor groundwater, creating nonconservative behavior. This is direct evidence that there are redox sensitive reactions occurring. It is possible, that when there is a depression in iron, knowing oxygen was added to the system (higher ORP), to assume you are removing iron from the aqueous phase and putting it in the solid phase.

In addition, it is hypothesized that at well 1001 the later elevated iron, days eight to eighteen, occurred due to a buildup of organics at the well screen with the river water injection that created stronger reducing conditions at later times.

Sulfate

The breakthrough curve of measured sulfate during the sampling phase in well 1001 was initially very near the concentration of the injection fluid and gradually approached that of the aquifer fluid as time increased (Fig. 2.44). The breakthrough curve of measured sulfate during the sampling phase of downgradient observation wells 1005 and 1011 were initially very near the concentration of the aquifer fluid, gradually deviated away towards the injection fluid, and finally returned to the aquifer fluid concentrations as time increased (Fig. 2.45 and 2.46).

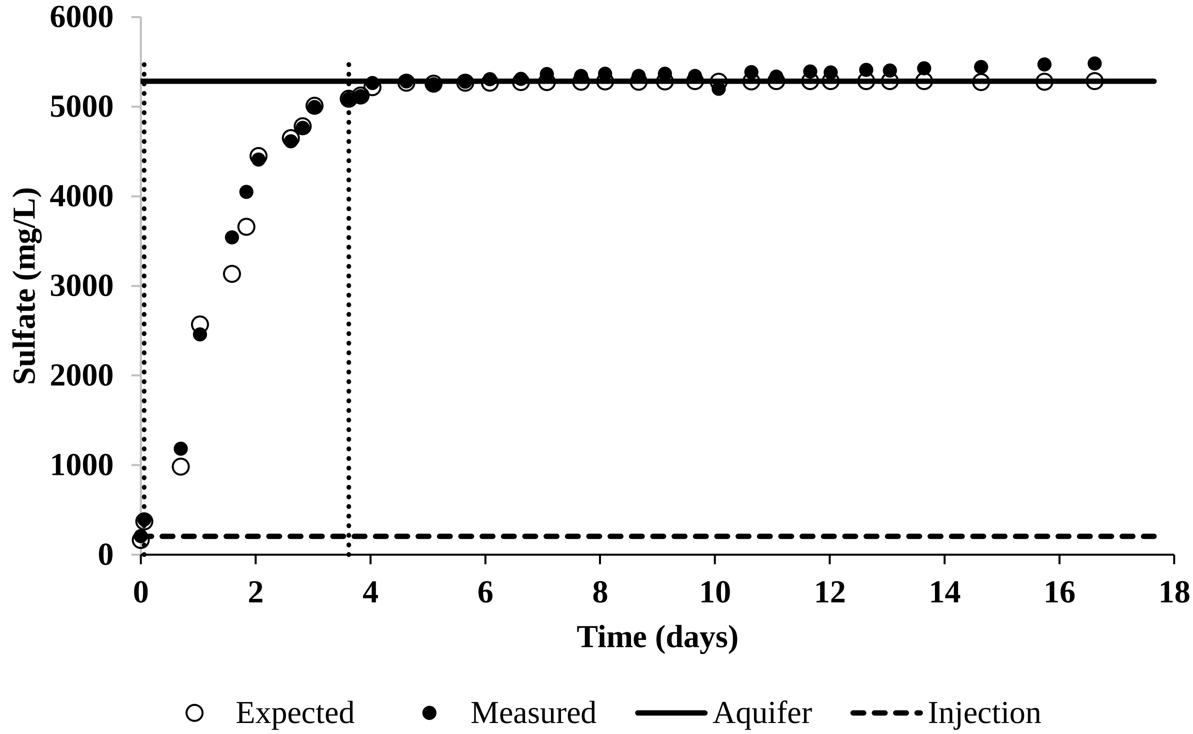

Figure 2.44 Concentrations of sulfate (solid circles) during the sampling phase of multi-well drift test of well 1001, dashed line indicates average concentration of sulfate in the injection fluid, solid line indicates average concentrations of sulfate in the well 1001 aquifer fluid before injection, open circles indicate the expected concentration of sulfate based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 1.02±0.102

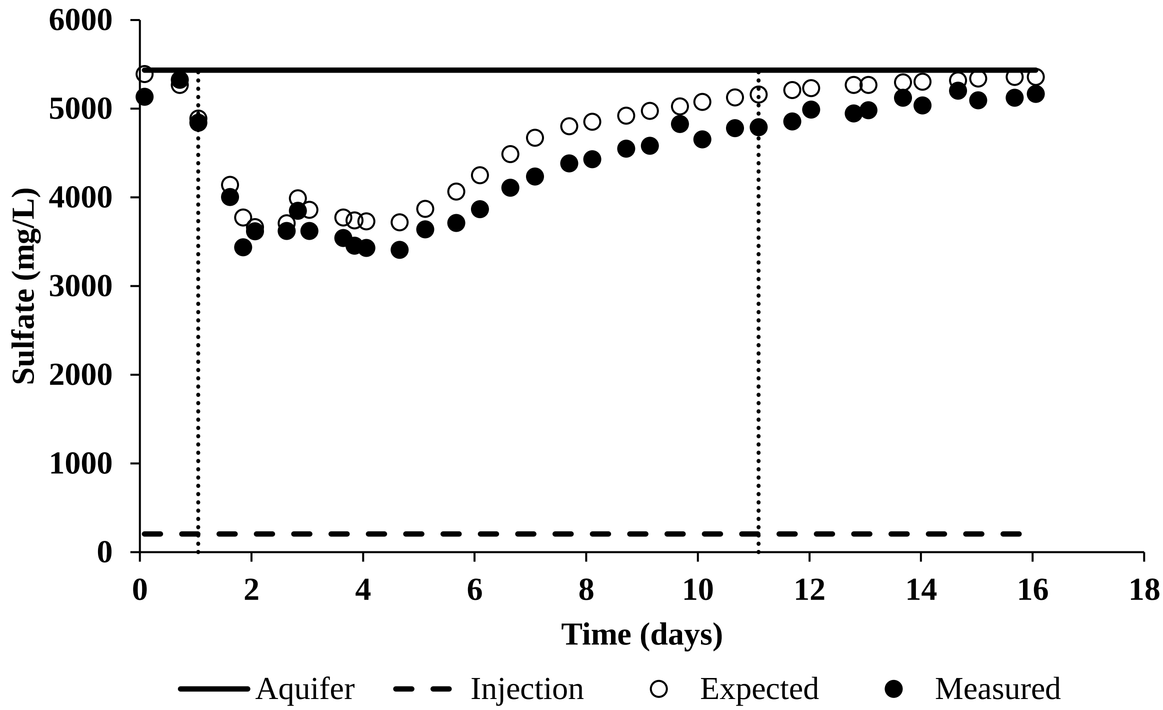

Figure 2.45 Concentrations of sulfate (solid circles) during the sampling phase of multi-well drift test of well 1005, dashed line indicates average concentration of sulfate in the injection fluid, solid line indicates average concentrations of sulfate in the well 1005 aquifer fluid before injection, open circles indicate the expected concentration of sulfate based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.93±0.093

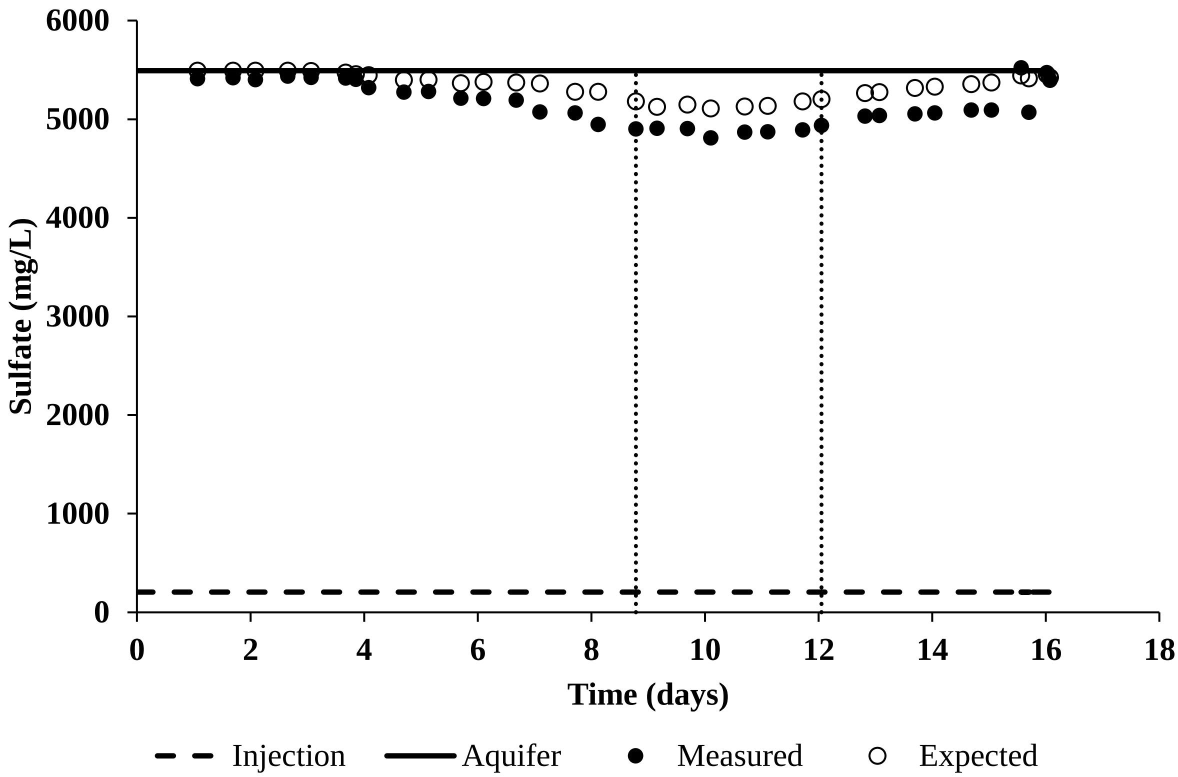

Figure 2.46 Concentrations of sulfate (solid circles) during the sampling phase of multi-well drift test of well 1011, dashed line indicates average concentration of sulfate in the injection fluid, solid line indicates average concentrations of sulfate in the well 1011 aquifer fluid before injection, open circles indicate the expected concentration of sulfate based on iodide, dotted line indicates numerical integration timeframe, and calculated recovery factor (RF) is 0.95±0.095

The breakthrough curves of the measured versus expected sulfate were nearly identical and thus the recovery factors for each well (1001, 1005, 1011) of sulfate were equal to one as defined by Equations 5 and 6, and result in no net removal or addition from the aqueous phase (Table 2.9). These results indicated that the mass transport characteristics of iodide and sulfate were no different, and that advection and dispersion are likely the two dominant transport mechanisms.

Table 2.9 Recovery factors of Mn, Fe, and SO_4^{2-} for each of the wells (1001, 1005, and 1011)

Solute	Well 1001	Well 1005	Well 1011
Manganese	0.16±0.016	0.97±0.097	0.34±0.034
Iron	0.15±0.015	1.4±0.14	0.95±0.095
Sulfate	1.02±0.102	0.93±0.093	0.95±0.095

Recovery factors greater than 1 indicate a net production, recovery factors less than 1 indicate a net removal, recovery factors equal to 1 indicate a no net change

In summary, both manganese and iron were immobilized in wells 1001 and 1011 whereas sulfate was not added nor removed from the aqueous phase in all three wells. Data suggests manganese and iron were oxidized. Oxygen yields the most energy according to the redox ladder (Chapter 1 Fig. 1.4); it is a strong oxidant that is capable of oxidizing many compounds. Similarly, the bottom of the ladder is surrounded by strong reductants. Those reactions that provide the greatest amount of energy dominate over competing reactions. Oxygen will work its way up from the bottom of the redox ladder. Oxygen would first react with methane, if methane was present, as this is the most energetically favorable. Oxygen would then react with reduced sulfur, if reduced sulfur was present, followed by oxygen reacting with reduced uranium (U(IV), if U(IV) is present. As the trend follows, oxygen will react with Fe(II), Mn(II), and lastly N_2. Therefore, this data indicated oxygen only reacted with iron and manganese, and suggested that methane, reduced sulfur, and uraninite are not present at the study site. This indicates that there is little to no reduced uranium at our study site and suggests oxidative-dissolution is not a possible uranium-specific transport mechanism.

These results, however, possibly reveal that there is the potential for creating more sorption sites, negatively charged metal-oxide surfaces for uranyl (U(VI)) to sorb to. It could be theorized that iron and manganese were precipitated at the downgradient front of the injection where mixing and dispersion occur, i.e., in the area between 1005 and 1011. Thus, the creation of a new equilibrium with more uranium on the solid-phase and more uranium in solution. This theory could explain the excess uranium in well 1011 compared to expected. In conclusion, the recharge of river water did cause redox reactions.

2.3.2.7 Recovery factors

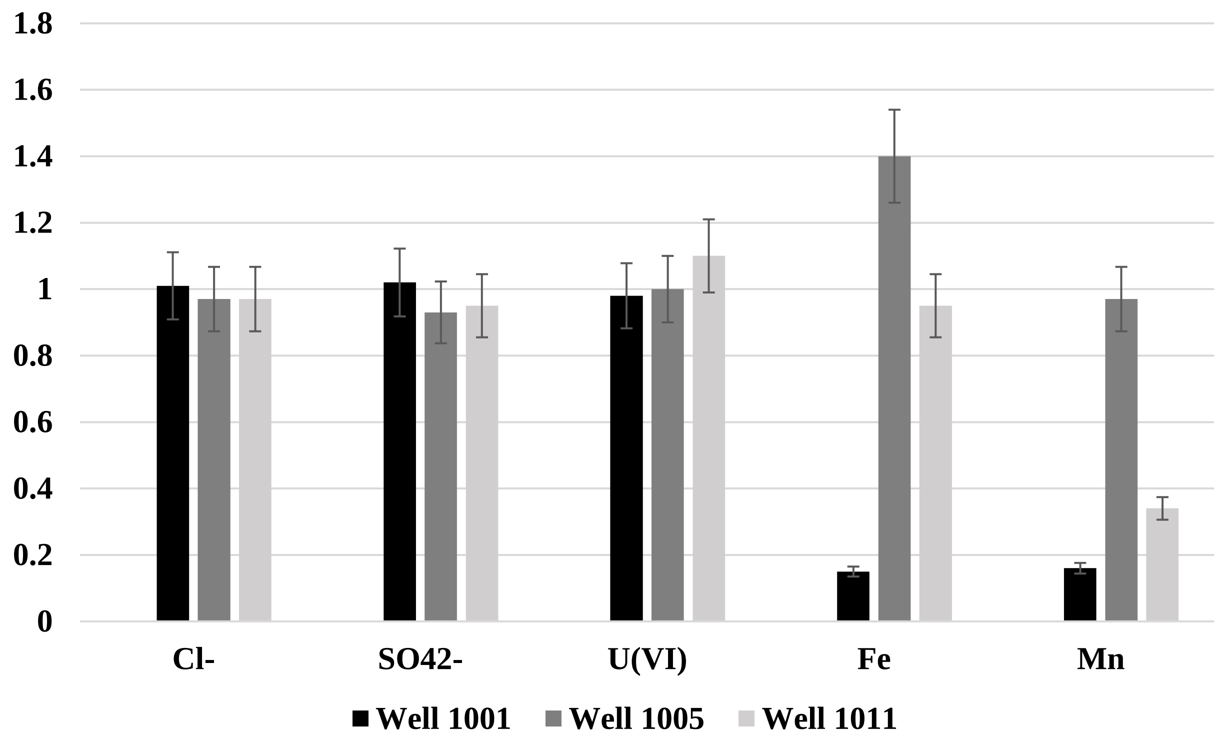

Figure 2.47 Recovery factors of Cl^-, SO_4^{2-}, U^{6+}, Fe, and Mn for each of the wells (1001, 1005, and 1011) with 10% uncertainty

It is important to compare the recovery factors for all analyzed species (chloride, sulfate, uranyl, iron, and manganese) to truly determine if they are any different from the potentially reactive solutes. Chloride, sulfate, and uranyl all seem to be nearly identical, around 1 plus or minus 10% of the recovery factor (Fig. 2.47). In contrast, recovery factors for iron and manganese differ significantly compared to chloride, sulfate, and uranyl. Although, iron and manganese follow the same trend, very low recovery factor for well 1001, higher recovery factor for well 1005, and an intermediate, i.e., between 0 and 1, recovery factor for well 1011. As stated earlier, this data clearly illustrates that redox reactions did occur for iron and manganese.

2.4 Conclusion

This study characterized the predominant mass transport mechanisms of uranium during river water to groundwater recharge events to better characterize its mobility. It was hypothesized that the mass transfer of uranium from the solid phase to the aqueous phase was occurring during periods of river water to groundwater recharge, via concentration-driven desorption. Sediment data confirmed the presence of uranium on the solid phase via nitric acid extraction. The recharge of river water to the saturated zone of a uranium-contaminated aquifer was simulated in a multi-well tracer test.

The breakthrough curves of iodide and pentafluorobenzoate demonstrated that the mass transport characteristics of the two tracers were nearly identical under the test conditions and suggested that matrix diffusion of uranium was negligible.

The breakthrough curves of measured versus expected uranium were nearly identical among wells 1001, 1005, and 1011 during the sampling phase, and suggested that no uranium was mobilized. Furthermore, manganese (Mn(II)) and ferrous iron (Fe(II)) were oxidized by oxygen (O_2) demonstrating that recharge of river water to groundwater did cause redox reactions. However, if uraninite (UO_2) was present, then thermodynamically it would have oxidized before Fe(II) and Mn(II) and created an increased uranium concentration. Since increased uranium concentration did not occur, this suggested that there was little to no reduced uranium at the study site and that oxidative dissolution did not occur.

Although the recharge of river water did not mobilize uranium from the solid phase to the aqueous phase, there are a few likely explanations as to what did occur, (1) the creation of Fe and Mn precipitation produced new uranium sorption surfaces that create new equilibrium conditions, (2) uranyl on the solid phase did exist, but due to kinetics, i.e., rate-limited desorption or pH-limited desorption, uranium was not mobilized in the test timeframe. Rate-limited desorption is where desorption of a contaminant, i.e., uranium, from the solid phase to the aqueous phase is slow. A lower pH, more acidic solution, could increase uranium mobility and it was possible that river water with a pH of 8 is simply not acidic enough to mobilize uranium. Some uranium in the solid phase exists, as confirmed by extractable uranium (5% nitric acid), although close to background concentrations. However, this uranium did not appear to be mobile in the timeframes of this study, because no difference was observed between an added conservative tracer, i.e., iodide, a natural conservative tracer, i.e., chloride, and a potentially reactive solute, i.e., uranium.

The results of this study demonstrated that direct injection of surface water into the saturated zone did not mobilize uranium and that pH-limited desorption, as opposed to matrix diffusion and oxidative dissolution, is likely an important mass transport mechanism of uranium.

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Appendices

Appendix A: Borehole Logs of Permanent Wells 855, 856, and 858

Appendix B: Borehole Logs of Experimental Wells

Appendix C: Soil and Sediment Data of Experimental Wells

Appendix D: Surface and Groundwater Data of Experimental Wells

Appendix A

Borehole Logs of Wells 855, 856, and 858

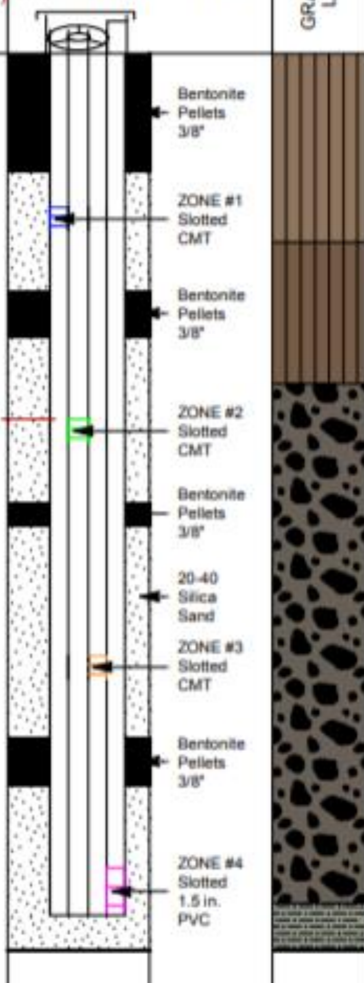
MONITORING WELL COMPLETION LOG RVT01-0855-2

PROJECT LM	**WELL NUMBER** RVT01-0855-2	**DATE DRILLED** 8/28/2015
LOCATION Riverton, WY	**NORTH COORD. (FT)** 846251.03	**SURFACE ELEV. (FT NGVD)** 4928.94
SITE Riverton	**EAST COORD. (FT)** 593764.14	**TOP OF CASING (FT)** 4931.02
DRILLING METHOD ROTASONIC	**HOLE DEPTH (FT/BGS)** 19.00	**TOP OF SCREEN (FT)** 4921.19
DRILL COMPANY Cascade Drilling LP	**WELL DEPTH (FT/BGS)** 8.00	**SLOT SIZE (IN)**
RIG TYPE Geoprobe 8140 LS	**WATER LEVEL (FT/ BGS)**	**BIT SIZE(S) (IN)** 8.0

	WELL INSTALLATION	INTERVAL (FT/BGS)		
BLANK CASING:	0.375 in. CMT	-2.08	to	7.75
WELL SCREEN:	0.375 in. Slotted CMT	7.75	to	8.25
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	5.0	to	6.0
UPPER SAND PACK	20-40 Silica Sand	6.0	to	7.5
SCREEN PACK	20-40 Silica Sand	7.5	to	8.0
LOWER SAND PACK	20-40 Silica Sand	8.0	to	9.5

WATER LEVEL DATE
DRILLER Johnson, J
LOGGED BY Goodknight, C., Johnson, R.
SAMPLING METHOD ROTASONIC CORE
DATE DEVELOPED 8/31/2015
REMARKS Final well string (CMT and PVC) was set about 0.25 ft. lower than shown on (original) well log diagram. Adjustment for final placement has been made on this log. Sreen wraped with SS 100 mesh

DEPTH (FT BGL)	ELEV. (FT NGVD)	SCREEN ELEV (FT)	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



Depth: 5, 10, 15
Elev.: 4925, 4920, 4915, 4910
Screen elev.: 4921.19

0-4.0 ft. SILT (ML); A horizon with roots (0-6.0"), brown (7.5YR 4/2), mottling with white careous flecks (1.0- 3.0 ft.), trace roots down to 2.5', brown (0.5-4.0 ft.) (7.5YR 5/3), damp at 2.0 ft.

4.0-7.0 ft. CLAYEY SILT (ML); ~10% very fine grained sand, 10-20% clay, trace mica flecks, brown (7.5YR 4/3).
@ 4.0-5.0 ft. is mottled with rust brown to black.
@ 4.5-7.0 ft. dark gray color (7.5YR 4/1), wet at 4.5 ft.

7.0-18.0 SANDY GRAVEL (GW); ~50% gravel with clasts (up to 3.0" in diameter), naturally reduced zone (NRZ) with trace mica flecks, dark gray (10YR 4/1), sand matrix mostly medium grained, gray (7.5YR 5/1), wet.

@ ~13.0 to 15.0 ft. gravel coarsens downward, wet.

@ ~15 very coarse gravel (up to 4.0-5.0" in diameter), 60% gravel, sand matrix mostly medium grained, grayish brown (10YR 5/2).

18.0- 19.0 ft. WIND RIVER FORMATION: SILTSTONE; weathered, soft, trace fine pyrite, greenish gray (5GY 6/1).

Total Depth 19.0 ft.

NAVARRO

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MONITORING WELL COMPLETION LOG RVT01-0855-3

PROJECT	LM	**WELL NUMBER**	RVT01-0855-3	**DATE DRILLED**	8/28/2015
LOCATION	Riverton, WY	**NORTH COORD. (FT)**	846251.03	**SURFACE ELEV. (FT NGVD)**	4928.94
SITE	Riverton	**EAST COORD. (FT)**	593764.14	**TOP OF CASING (FT)**	4931.02
DRILLING METHOD	ROTASONIC	**HOLE DEPTH (FT/BGS)**	19.00	**TOP OF SCREEN (FT)**	4916.19
DRILL COMPANY	Cascade Drilling LP	**WELL DEPTH (FT/BGS)**	13.00	**SLOT SIZE (IN)**	
RIG TYPE	Geoprobe 8140 LS	**WATER LEVEL (FT/ BGS)**		**BIT SIZE(S) (IN)**	8.0

	WELL INSTALLATION	**INTERVAL (FT/BGS)**		
BLANK CASING:	0.375 in. CMT	-2.08	to	12.75
WELL SCREEN:	0.375 in. Slotted CMT	12.75	to	13.25
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	9.5	to	10.0
UPPER SAND PACK	20-40 Silica Sand	10.0	to	12.5
SCREEN PACK	20-40 Silica Sand	12.5	to	13.0
LOWER SAND PACK	20-40 Silica Sand	13.0	to	14.5

WATER LEVEL DATE

DRILLER Johnson, J

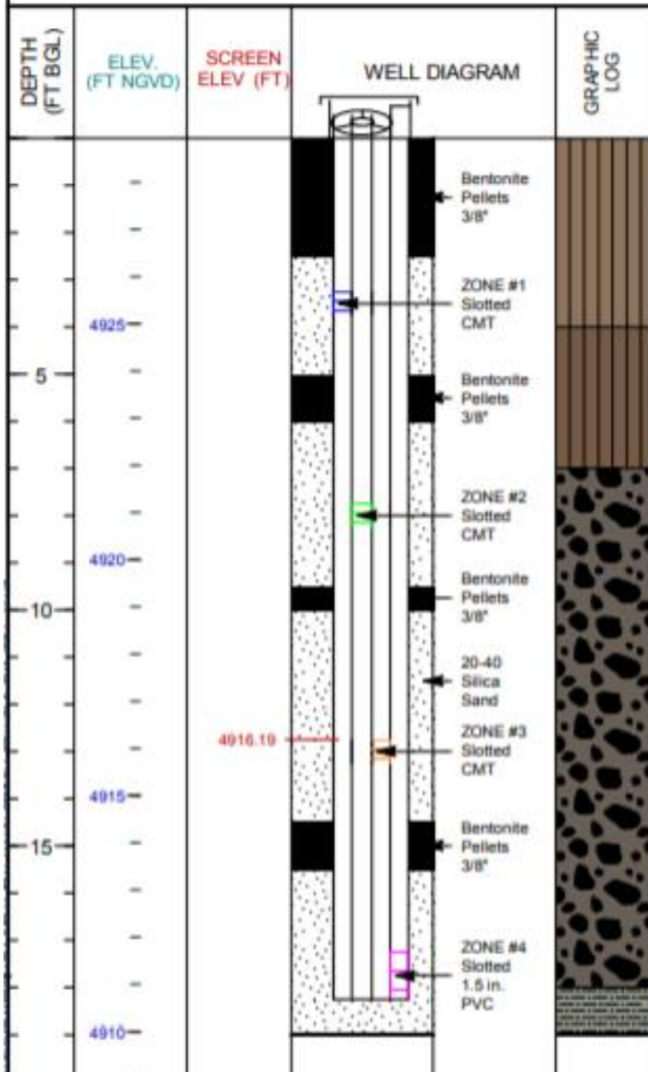
LOGGED BY Goodknight, C., Johnson, R.

SAMPLING METHOD ROTASONIC CORE

DATE DEVELOPED 8/31/2015

REMARKS Final well string (CMT and PVC) was set about 0.25 ft. lower than shown on (original) well log diagram. Adjustment for final placement has been made on this log. Sreen wraped with SS 100 mesh.

DEPTH (FT BGL)	ELEV. (FT NGVD)	SCREEN ELEV (FT)	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-4.0 ft. SILT (ML); A horizon with roots (0-6.0"), brown (7.5YR 4/2), mottling with white careous flecks (1.0- 3.0 ft.), trace roots down to 2.5', brown (0.5-4.0 ft.) (7.5YR 5/3), damp at 2.0 ft.

4.0-7.0 ft. CLAYEY SILT (ML); ~10% very fine grained sand, 10-20% clay, trace mica flecks, brown (7.5YR 4/3).
@ 4.0-5.0 ft. is mottled with rust brown to black.
@ 4.5-7.0 ft. dark gray color (7.5YR 4/1), wet at 4.5 ft.

7.0-18.0 SANDY GRAVEL (GW); ~50% gravel with clasts (up to 3.0" in diameter), naturally reduced zone (NRZ) with trace mica flecks, dark gray (10YR 4/1), sand matrix mostly medium grained, gray (7.5YR 5/1), wet.

@ ~13.0 to 15.0 ft. gravel coarsens downward, wet.

@ ~15 very coarse gravel (up to 4.0-5.0" in diameter), 60% gravel, sand matrix mostly medium grained, grayish brown (10YR 5/2).

18.0- 19.0 ft. WIND RIVER FORMATION: SILTSTONE; weathered, soft, trace fine pyrite, greenish gray (5GY 6/1).

Total Depth 19.0 ft.

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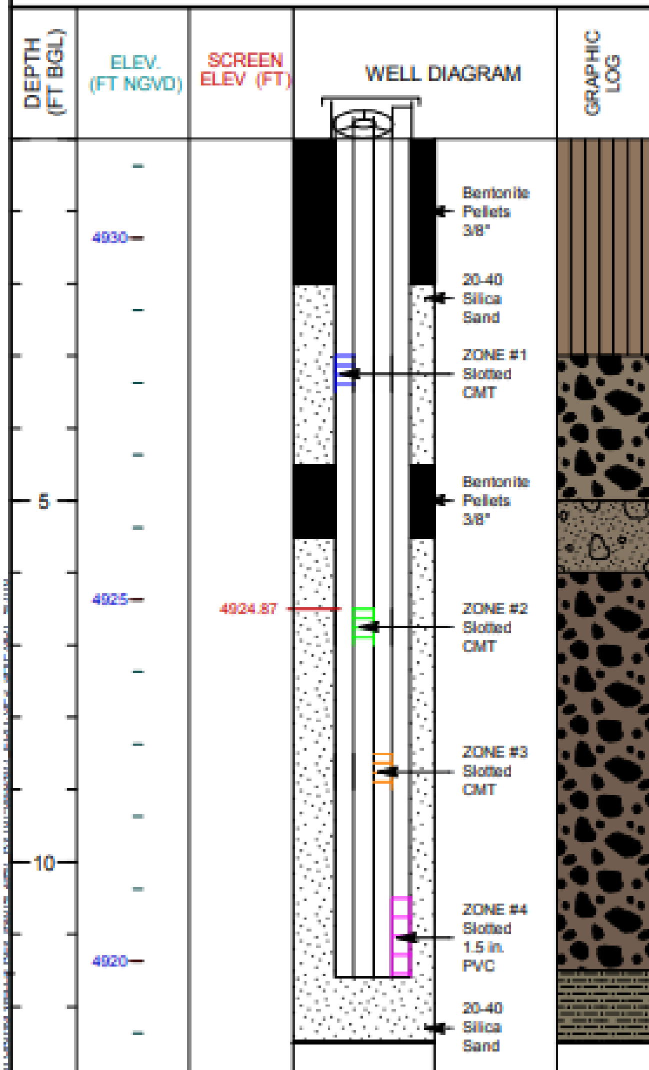
MONITORING WELL COMPLETION LOG RVT01-0856-2

PROJECT	LM	WELL NUMBER	RVT01-0856-2	DATE DRILLED	8/28/2015
LOCATION	Riverton, WY	NORTH COORD. (FT)	846583.19	SURFACE ELEV. (FT NGVD)	4931.37
SITE	Riverton	EAST COORD. (FT)	593282.00	TOP OF CASING (FT)	4933.63
DRILLING METHOD	ROTASONIC	HOLE DEPTH (FT/BGS)	12.50	TOP OF SCREEN (FT)	4924.87
DRILL COMPANY	Cascade Drilling LP	WELL DEPTH (FT/BGS)	7.00	SLOT SIZE (IN)	
RIG TYPE	Geoprobe 8140 LS	WATER LEVEL (FT/ BGS)		BIT SIZE(S) (IN)	8.0

	WELL INSTALLATION	INTERVAL (FT/BGS)		
BLANK CASING:	0.375 in. CMT	-2.26	to	6.5
WELL SCREEN:	0.375 in. Slotted CMT	6.5	to	7.0
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	4.5	to	5.5
UPPER SAND PACK	20-40 Silica Sand	5.5	to	6.5
SCREEN PACK	20-40 Silica Sand	6.5	to	7.0
LOWER SAND PACK	20-40 Silica Sand	7.0	to	8.0

WATER LEVEL DATE	
DRILLER	Johnson, J
LOGGED BY	Goodknight, C., Johnson, R.
SAMPLING METHOD	ROTASONIC CORE
DATE DEVELOPED	8/31/2015
REMARKS	Sreen wraped with SS 100 mesh



LITHOLOGIC DESCRIPTION

0-3.0 ft. SILT (ML); trace roots down to ~3.0', trace mottling with white specks, brown (7.5YR 5/3).

3.0-5.0 ft. SANDY GRAVEL (GW); ~30 % gravel (up to 4.0" in diameter), sand matrix mostly fine grained, and grayish brown (10YR 5/2).

5.0-6.0 ft. GRAVELY SAND (SP); ~10-15% gravel (up to 2.0" in diameter), sand matrix mostly fine grained, grayish brown (10YR 5/2).

6-11.5 ft. SANDY GRAVEL (GW); ~40% gravel (up to 4.0" in diameter), sand matrix mostly medium grained, brown (7.5YR 4/2), wet.

@ 10.5 - 11.0 ft. very coarse gravel (up to ~6.0" in diameter).

11.5- 12.5 ft. WIND RIVER FORMATION: SILTSTONE; weathered siltstone, soft, light olive gray (5Y 5/2), becomes hard and dry at 12.0 ft.

Total Depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-0856-3

PROJECT	LM	WELL NUMBER	RVT01-0856-3	DATE DRILLED	8/28/2015
LOCATION	Riverton, WY	NORTH COORD. (FT)	846583.19	SURFACE ELEV. (FT NGVD)	4931.37
SITE	Riverton	EAST COORD. (FT)	593282.00	TOP OF CASING (FT)	4933.63
DRILLING METHOD	ROTASONIC	HOLE DEPTH (FT/BGS)	12.50	TOP OF SCREEN (FT)	4922.87
DRILL COMPANY	Cascade Drilling LP	WELL DEPTH (FT/BGS)	9.00	SLOT SIZE (IN)	
RIG TYPE	Geoprobe 8140 LS	WATER LEVEL (FT/ BGS)		BIT SIZE(S) (IN)	8.0

	WELL INSTALLATION	INTERVAL (FT/BGS)		
BLANK CASING:	0.375 in. CMT	-2.26	to	8.5
WELL SCREEN:	0.375 in. Slotted CMT	8.5	to	9.0
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	4.5	to	5.5
UPPER SAND PACK	20-40 Silica Sand	8.0	to	8.5
SCREEN PACK	20-40 Silica Sand	8.5	to	9.0
LOWER SAND PACK	20-40 Silica Sand	9.0	to	10.0

WATER LEVEL DATE

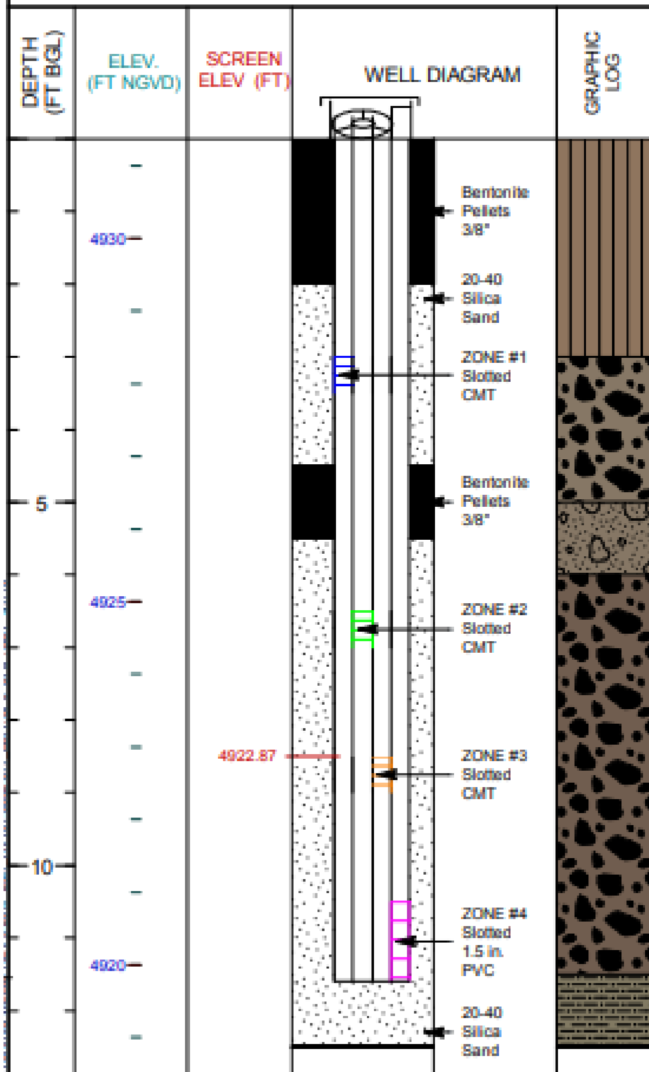
DRILLER Johnson, J

LOGGED BY Goodknight, C., Johnson, R.

SAMPLING METHOD ROTASONIC CORE

DATE DEVELOPED 8/31/2015

REMARKS Sreen wraped with SS 100 mesh



LITHOLOGIC DESCRIPTION

0-3.0 ft. SILT (ML); trace roots down to ~3.0', trace mottling with white specks, brown (7.5YR 5/3).

3.0-5.0 ft. SANDY GRAVEL (GW); ~30 % gravel (up to 4.0" in diameter), sand matrix mostly fine grained, and grayish brown (10YR 5/2).

5.0-6.0 ft. GRAVELY SAND (SP); ~10-15% gravel (up to 2.0" in diameter), sand matrix mostly fine grained, grayish brown (10YR 5/2).

6-11.5 ft. SANDY GRAVEL (GW); ~40% gravel (up to 4.0" in diameter), sand matrix mostly medium grained, brown (7.5YR 4/2), wet.

@ 10.5 - 11.0 ft. very coarse gravel (up to ~6.0" in diameter).

11.5- 12.5 ft. WIND RIVER FORMATION: SILTSTONE; weathered siltstone, soft, light olive gray (5Y 5/2), becomes hard and dry at 12.0 ft.

Total Depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-0858-2

PROJECT	LM	WELL NUMBER	RVT01-0858-2	DATE DRILLED	8/29/2015
LOCATION	Riverton, WY	NORTH COORD. (FT)	846935.52	SURFACE ELEV. (FT NGVD)	4930.20
SITE	Riverton	EAST COORD. (FT)	593830.29	TOP OF CASING (FT)	4932.14
DRILLING METHOD	ROTASONIC	HOLE DEPTH (FT/BGS)	18.00	TOP OF SCREEN (FT)	4922.5
DRILL COMPANY	Cascade Drilling LP	WELL DEPTH (FT/BGS)	8.00	SLOT SIZE (IN)	
RIG TYPE	Geoprobe 8140 LS	WATER LEVEL (FT/ BGS)		BIT SIZE(S) (IN)	8.0

	WELL INSTALLATION	INTERVAL (FT/BGS)		
BLANK CASING:	0.375 in. CMT	-1.94	to	7.7
WELL SCREEN:	0.375 in. Slotted CMT	7.7	to	8.2
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	5.0	to	6.0
UPPER SAND PACK	20-40 Silica Sand	6.0	to	7.5
SCREEN PACK	20-40 Silica Sand	7.5	to	8.0
LOWER SAND PACK	20-40 Silica Sand	8.0	to	9.5

WATER LEVEL DATE

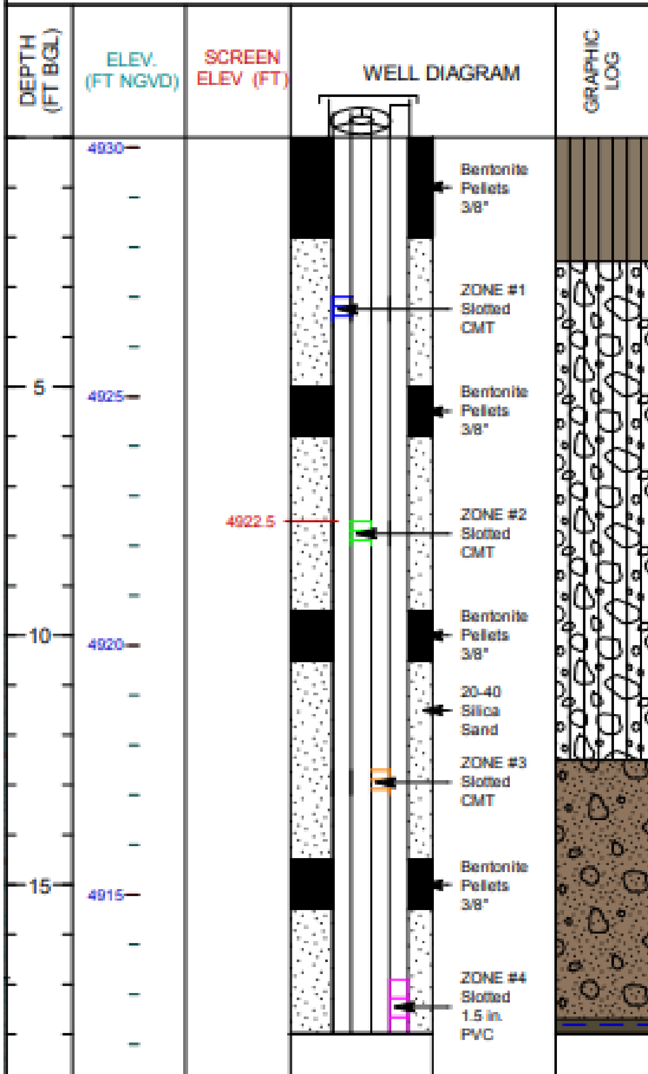
DRILLER Johnson, J

LOGGED BY Goodknight, C., Johnson, R.

SAMPLING METHOD ROTASONIC CORE

DATE DEVELOPED 9/2/2015

REMARKS Final well string (CMT and PVC) was set about 0.2 ft. lower than shown on (original) well log diagram. Adjustment for final placement has been made on this log. Sreen wraped with SS 100 mesh



LITHOLOGIC DESCRIPTION

0-2.5 ft. SILT (ML); A horizon (0-6.0"), trace roots down to ~ 2.0 ft., grayish brown (10YR 5/2), dry.

2.5-12.5 ft. SANDY GRAVEL (GM); ~40% gravel with clasts (up to 4.0" in diameter).

@ ~ 7.0 ft. wet.

@ ~9.5 sand matrix is medium to fine grained, with clasts (up to 5.0" in diameter), dark grayish brown (10YR 4/2).

12.5-17.7 ft. GRAVELLY SAND (SP); ~ 75% sand, 15-20% gravel with clasts (up to 3.0" in diameter), sand matrix mostly medium grained, gray (7.5YR 5/1) to grayish brown (10YR 5/2).
@ ~ 13.0 ft. ~90% sand, gravel % increasing downward.

@ ~ 15.0 ft. cobbles (up to 5.0" in diameter).

@ ~15.0-17.7 ft. is gravelly sand to sandy gravel, ~20% gravel with clasts (up to 2.0" in diameter).

17.7-18.0 ft. WIND RIVER FORMATION: SILTY CLAYSTONE; weathered, soft, medium dark gray (N4) to olive gray (5Y 3/2).

Total Depth 18.0 ft.

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MONITORING WELL COMPLETION LOG RVT01-0858-3

PROJECT	LM	**WELL NUMBER**	RVT01-0858-3	**DATE DRILLED**	8/29/2015
LOCATION	Riverton, WY	**NORTH COORD. (FT)**	846935.52	**SURFACE ELEV. (FT NGVD)**	4930.20
SITE	Riverton	**EAST COORD. (FT)**	593830.29	**TOP OF CASING (FT)**	4932.14
DRILLING METHOD	ROTASONIC	**HOLE DEPTH (FT/BGS)**	18.00	**TOP OF SCREEN (FT)**	4917.5
DRILL COMPANY	Cascade Drilling LP	**WELL DEPTH (FT/BGS)**	13.00	**SLOT SIZE (IN)**	
RIG TYPE	Geoprobe 8140 LS	**WATER LEVEL (FT/ BGS)**		**BIT SIZE(S) (IN)**	8.0

	WELL INSTALLATION	**INTERVAL (FT/BGS)**		
BLANK CASING:	0.375 in. CMT	-1.94	to	12.7
WELL SCREEN:	0.375 in. Slotted CMT	12.7	to	13.2
SUMP/END CAP:				
BENTONITE SEAL:	Bentonite Pellets	9.5	to	10.5
UPPER SAND PACK	20-40 Silica Sand	10.5	to	12.5
SCREEN PACK	20-40 Silica Sand	12.5	to	13.0
LOWER SAND PACK	20-40 Silica Sand	13.0	to	14.5

WATER LEVEL DATE

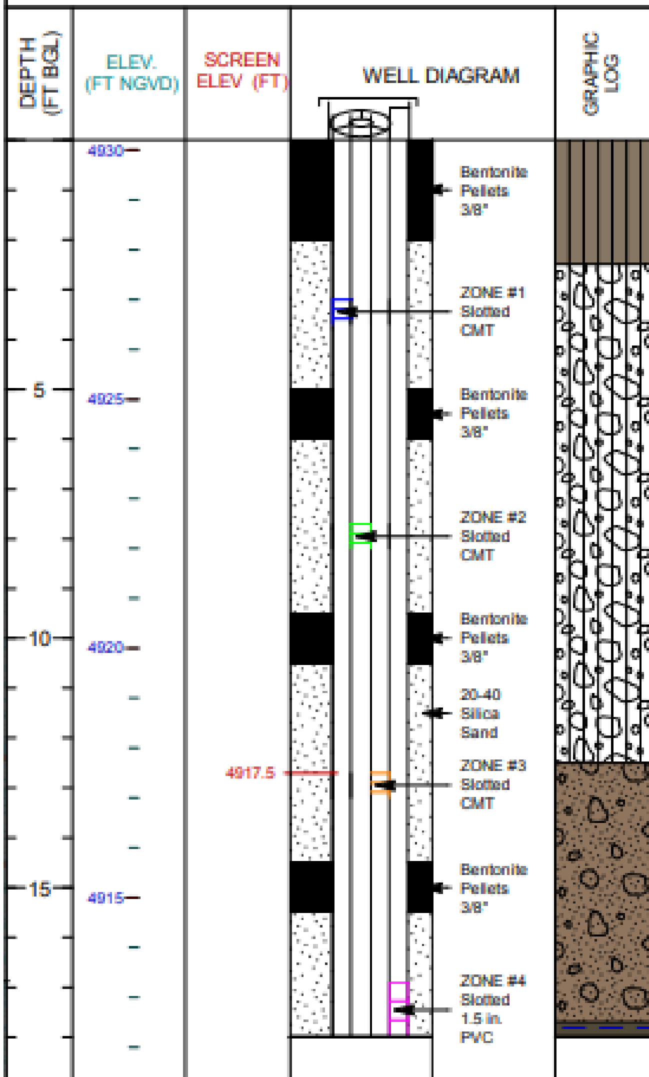
DRILLER Johnson, J

LOGGED BY Goodknight, C., Johnson, R.

SAMPLING METHOD ROTASONIC CORE

DATE DEVELOPED 9/2/2015

REMARKS Final well string (CMT and PVC) was set about 0.2 ft. lower than shown on (original) well log diagram. Adjustment for final placement has been made on this log. Sreen wraped with SS 100 mesh



LITHOLOGIC DESCRIPTION

0-2.5 ft. SILT (ML); A horizon (0-6.0"), trace roots down to ~ 2.0 ft., grayish brown (10YR 5/2), dry.

2.5-12.5 ft. SANDY GRAVEL (GM); ~40% gravel with clasts (up to 4.0" in diameter).

@ ~ 7.0 ft. wet.

@ ~9.5 sand matrix is medium to fine grained, with clasts (up to 5.0" in diameter), dark grayish brown (10YR 4/2).

12.5-17.7 ft. GRAVELLY SAND (SP); ~ 75% sand, 15-20% gravel with clasts (up to 3.0" in diameter), sand matrix mostly medium grained, gray (7.5YR 5/1) to grayish brown (10YR 5/2).
@ ~ 13.0 ft. ~90% sand, gravel % increasing downward.

@ ~ 15.0 ft. cobbles (up to 5.0" in diameter).

@ ~15.0-17.7 ft. is gravelly sand to sandy gravel, ~20% gravel with clasts (up to 2.0" in diameter).

17.7-18.0 ft. WIND RIVER FORMATION: SILTY CLAYSTONE; weathered, soft, medium dark gray (N4) to olive gray (5Y 3/2).

Total Depth 18.0 ft.

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Appendix B

Borehole Logs of Experimental Wells

MONITORING WELL COMPLETION LOG RVT01-1000

PROJECT	LM	WELL NUMBER	RVT01-1000	DATE STARTED	6/16/2020
LOCATION	RIVERTON , WY	NORTH COORD. (FT)	42.99	WELL ESTABLISHED	7/9/2020
SITE	Riverton Processing Site	EAST COORD. (FT)	-108.40	SURFACE ELEV (FT)	4934.53
DRILLING METHOD	Direct Push	HOLE DEPTH (FT BGS)	12.5	TOP OF CASING (FT)	4937.09
DRILL COMPANY	Navarro	WELL DEPTH (FT BGS)	12.3	MEAS. PT. ELEV. (FT)	4937.09
RIG TYPE	Geoprobe 7822DT	WATER LEVEL (FT BTOC)	6.8	SLOT SIZE (IN)	0.010
COORD SYS	N83_2011_LAT_LONG	WATER LEVEL DATE	7/10/2020	BIT SIZE(S) (IN)	3.25

	WELL INSTALLATION	INTERVAL (FT BGS)		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.56	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	12.5

DRILLER Sellers, D

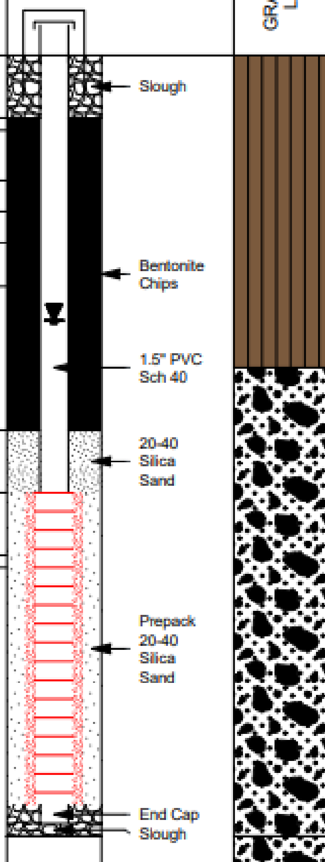
LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyized for Uranium. Pushed liner from 5-13 ft poor recovery - flowing sands.

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION
			1.0-1.2 ft.				0-5.0 ft., 76% recovery - (missing 3.8-5.0 ft.) 0-3.8 ft. SILT(ML); mottling with calcareous flakes, brown (7.5YR 4/3). Moist at 3.0 ft.
			2.0-2.5 ft.				
			3.0-3.7 ft.				
	4930						
5							5.0-13.0 ft. 20% recovery - flowing sands. 5.0-13.0 ft., GRAVEL with SAND (GW-SW); Sand and gravel (flowing sands) 19% recovery.
			6.6-6.8 ft.				
			8.0-8.2 ft.				
	4925						
10							
							Total Depth 13.0 ft.
	4920						



MONITORING WELL COMPLETION LOG RVT01-1001

PROJECT	LM	**WELL NUMBER**	RVT01-1001	**DATE STARTED**	6/16/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	6/16/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.56
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4937.16
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4937.16
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.6	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	0.5
SEAL:	Bentonite	0.5	to	5.5
UPPER PACK:	20-40 Silica Sand	5.5	to	6.5
LOWER PACK:	Slough	6.5	to	13.0

DRILLER Sellers, D

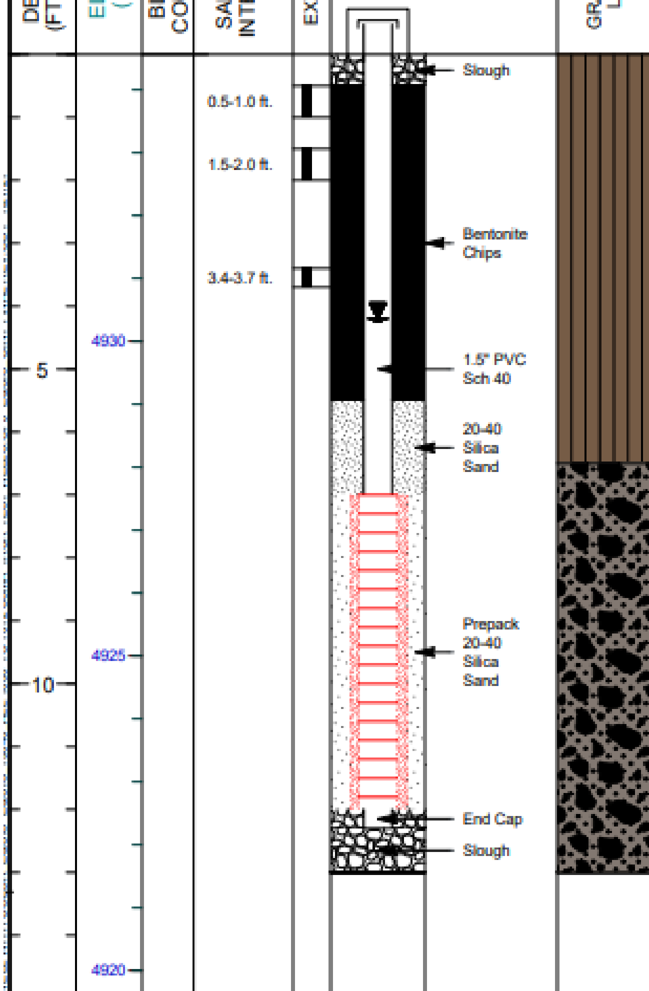
LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyized for Uranium.

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-5.0 ft., 78% recovery - (missing3.9-5.0 ft.)

0-6.5 ft. SILT(ML); dry, trace of mottling FE, with calcareous flakes, very fine grain sands (7.5YR 4/3). Moist at 3.0 ft.

5.0-10.0 ft., 40% recovery.

10.0-13.0., 0% recovery - flowing sands.

6.5-13.0., GRAVEL with SAND (GW-SW); 70% well graded gravel clasts up to ~1.0" in diameter. Very fine to medium sand ,sub-rounded to rounded. Gray (7.5YR 5/1), wet.

Total Depth 13.0 ft.

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MONITORING WELL COMPLETION LOG RVT01-1002

PROJECT	LM	**WELL NUMBER**	RVT01-1002	**DATE STARTED**	6/16/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/9/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.32
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4936.77
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.77
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

WELL INSTALLATION		INTERVAL (FT BGS)		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.45	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	13.0

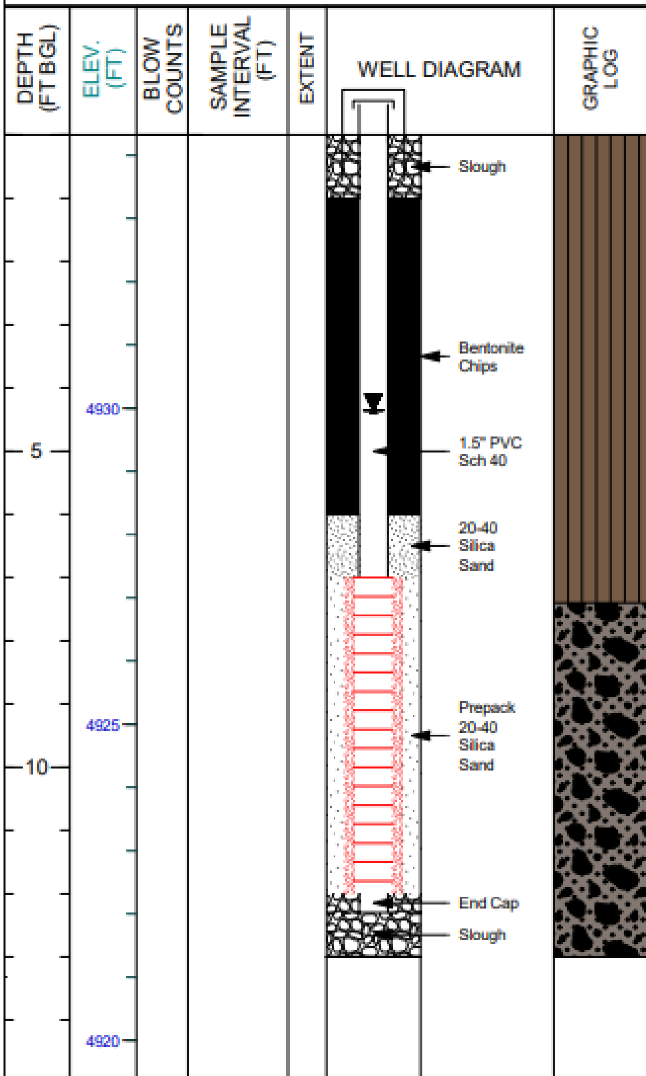
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyzed for Uranium.



LITHOLOGIC DESCRIPTION

0-5.0 ft., 62% recovery - missing 3.1-5.0 ft

0-7.4 ft. SILT(ML); dry, trace of mottling FE, with calcareous flakes, brown (7.5YR 4/3), trace root, wet at 3.0 ft.

5.0-13.0 ft., 53% recovery - flowing sands. Losing core sample (e.g., water flushing out liner during extraction).

7.4-13.0., GRAVEL with SAND (GW-SW); 70% well graded gravel clasts up to ~1.0" in diameter. Very fine to medium sand (>15%, sub-rounded to rounded). Gray (7.5YR 5/1), wet at 6.5 ft.

Total Depth 13.0 ft.

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MONITORING WELL COMPLETION LOG RVT01-1003

PROJECT	LM	**WELL NUMBER**	RVT01-1003	**DATE STARTED**	7/9/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/9/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.41
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4936.79
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.79
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.38	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	13.0

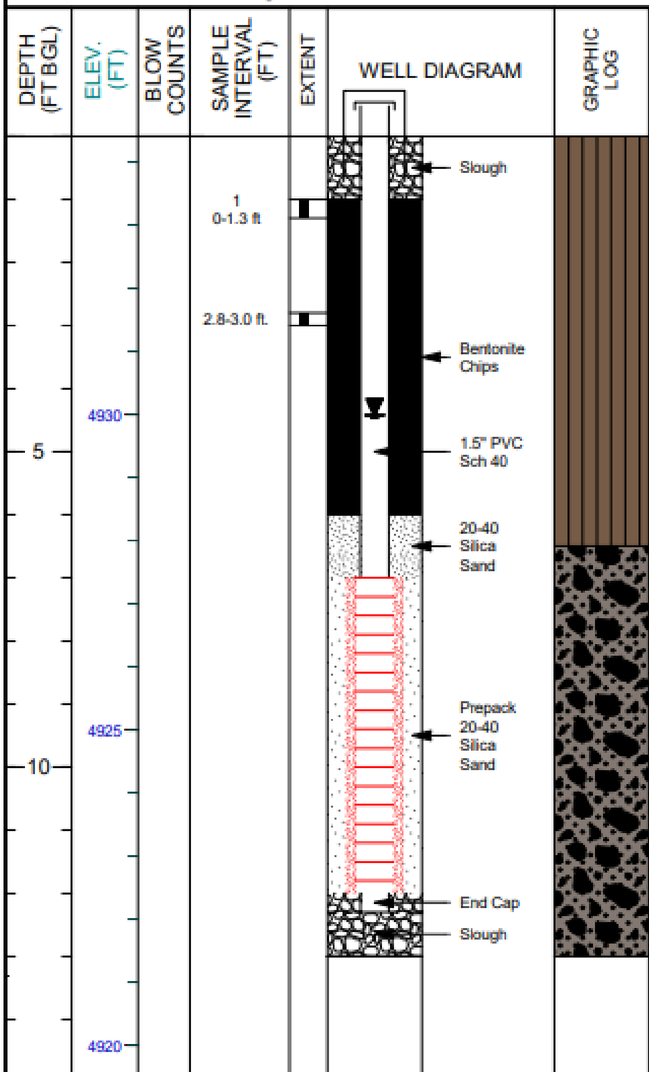
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyzed for Uranium.



LITHOLOGIC DESCRIPTION

0-3.0 ft., 100% recovery.

0-6.5 ft. SILT(ML); dry, trace of mottling FE, with calcareous flakes, brown (7.5YR 4/3), trace roots, moist at 3.0 ft.

3.0-6.0 ft., 67% recovery in liner (2.0 ft per 3.0 ft direct push)

6.0-13.0 ft. 40% recovery - flowing sands (e.g., water flushing out liner during extraction).

6.5-13.0 GRAVEL with SAND (GW-SW); 70% well graded gravel clasts up to ~1.0" in diameter, with 15% very fine to medium sand, sub-rounded to rounded, gray (7.5YR 5/1), wet at 6.5 ft.

Total Depth 13.0 ft.

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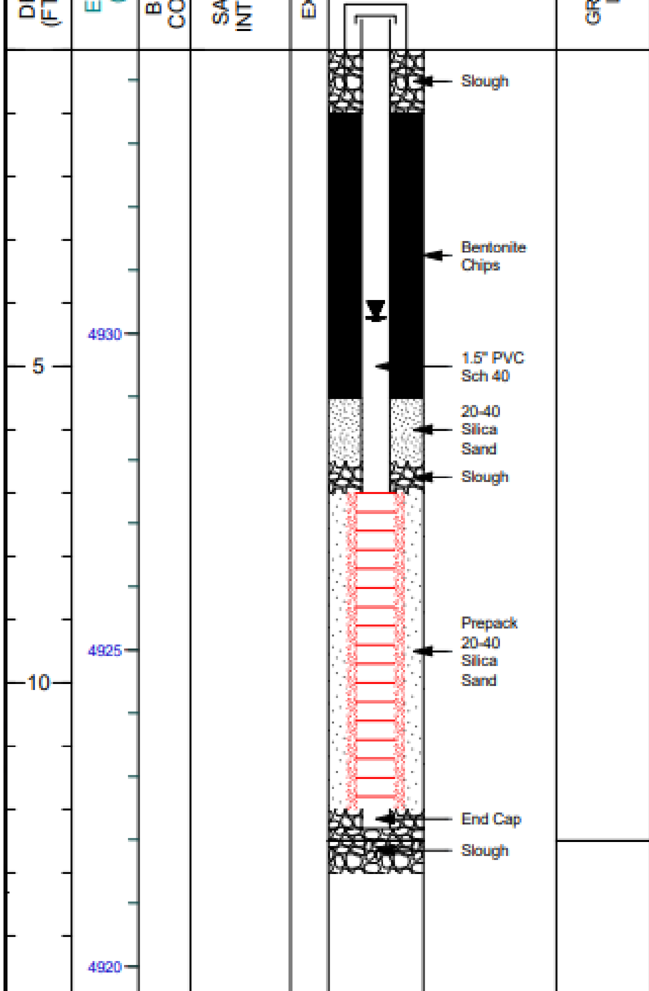
MONITORING WELL COMPLETION LOG RVT01-1004

PROJECT	LM	**WELL NUMBER**	RVT01-1004	**DATE STARTED**	6/17/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	6/17/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.48
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	12.5	**TOP OF CASING (FT)**	4937.05
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4937.05
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.57	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	5.5
UPPER PACK:	20-40 Silica Sand	5.5	to	6.5
LOWER PACK:	Slough	6.5	to	12.5

DRILLER	Sellers, D
LOGGED BY	Dander, D.
SAMPLING METHOD	CORE LINER
DATE DEVELOPED	
REMARKS	

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-12.5 ft, No core sample collected.

Total Depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-1005

PROJECT	LM	**WELL NUMBER**	RVT01-1005	**DATE STARTED**	6/17/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	6/17/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.44
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	12.6	**TOP OF CASING (FT)**	4937.09
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4937.09
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.65	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	5.5
UPPER PACK:	20-40 Silica Sand	5.5	to	6.5
LOWER PACK:	Slough	6.5	to	12.6

DRILLER Sellers, D

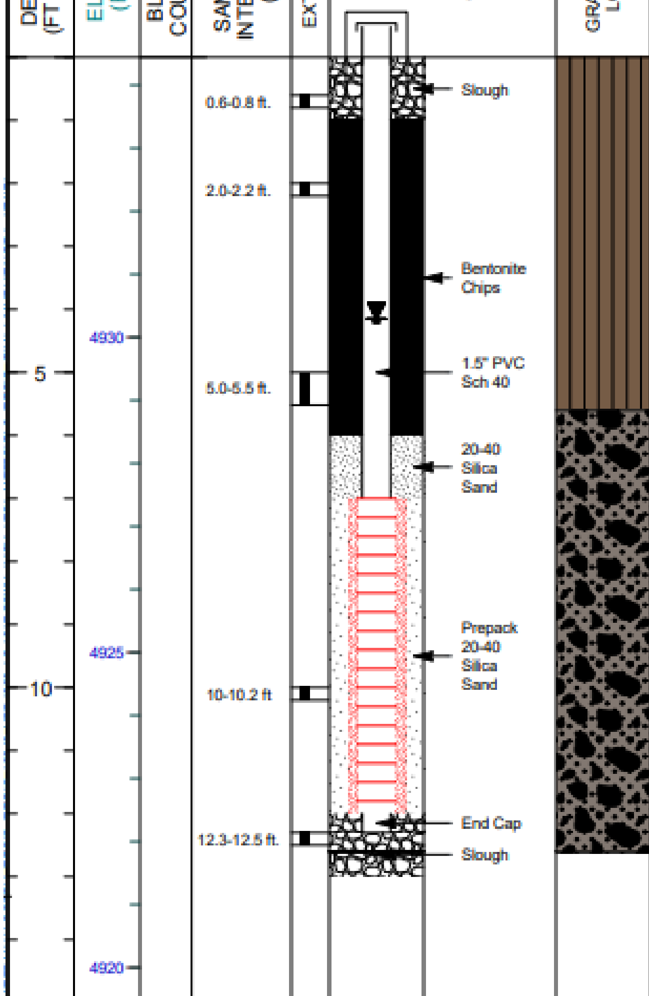
LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyized for Uranium.

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-5.0 ft., 80% recovery - (missing 4.0 to 5.0 ft).

0-5.6 ft. SILT (ML); dry, trace of mottling FE, with calcareous flakes, brown (7.5YR 4/3), trace roots, moist 3.0 ft.

5.0-10 ft., 26% recovery.

10.0-12.6 ft., 19% recovery - flowing sands (e.g., water flushing out liner during extraction).

5.6-12.6 ft., GRAVEL with SAND (GW-SW); 50% well graded gravel clasts up to ~1.0" in diameter, with 15% very fine to medium sand, sub-rounded to rounded) Gray (7.5YR 5/1), wet at 6.5 ft. Increase gravel at depth - 70%

Total Depth 12.6 ft.

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MONITORING WELL COMPLETION LOG RVT01-1006

PROJECT	LM	**WELL NUMBER**	RVT01-1006	**DATE STARTED**	6/17/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	6/17/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.46
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	12.5	**TOP OF CASING (FT)**	4937.11
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.1	**MEAS. PT. ELEV. (FT)**	4937.11
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.65	to	6.8
WELL SCREEN:	1.5 in.dia. PVC Prepacked	6.8	to	11.8
SUMP/END CAP:	1.5 in.dia. PVC	11.8	to	12.1
GROUT:	Native Soil/Fill	0.0	to	1.5
SEAL:	Bentonite	1.5	to	5.5
UPPER PACK:	20-40 Silica Sand	5.5	to	6.5
LOWER PACK:	Slough	6.5	to	12.5

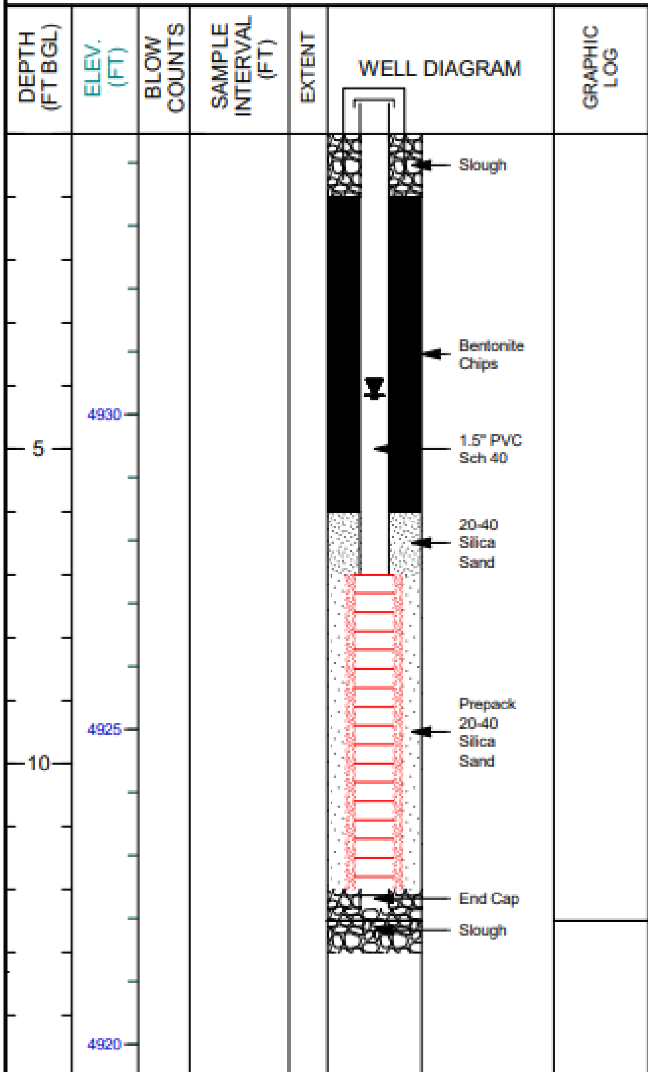
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS



LITHOLOGIC DESCRIPTION

0-12.5 ft, No core sample collected.

Total Depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-1007

PROJECT	LM	**WELL NUMBER**	RVT01-1007	**DATE STARTED**	7/9/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/9/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.45
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4936.96
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.96
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.51	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	13.0

DRILLER Sellers, D

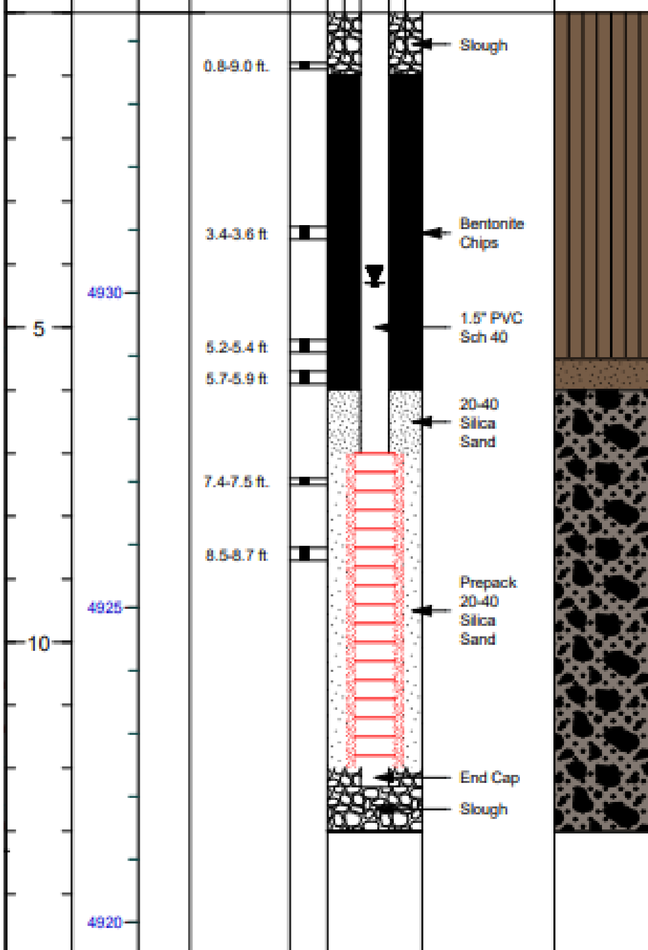
LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyzed for Uranium.

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-3.0 ft. 67%recovery - [missing 2.0-3.0 ft].

0-5.5 ft., SILT (ML); very fine grained; trace mottling Fe, brown (7.5YR 4/3), dry to moist at 1.5 ft.

3.0-6-0 ft., 100% recovery.

5.5-6.0 SAND (SP); poorly graded, lense, medium to coarse grained, moist.

6.0-13.0 ft 35% recovery - flowing sands.

6.0-13.0 ft., GRAVEL and SAND (GW-SW); .15% medium to coarse; trace Fe and mica; >50%; round to sub rounded clasts >1" in diameter, gray (7.5YR 5/1), moist then wet @6.3 ft.

Totl Depth 13.0 ft.

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MONITORING WELL COMPLETION LOG RVT01-1008

PROJECT	LM	**WELL NUMBER**	RVT01-1008	**DATE STARTED**	7/8/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/8/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.28
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	12.5	**TOP OF CASING (FT)**	4936.85
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.85
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.57	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	12.5

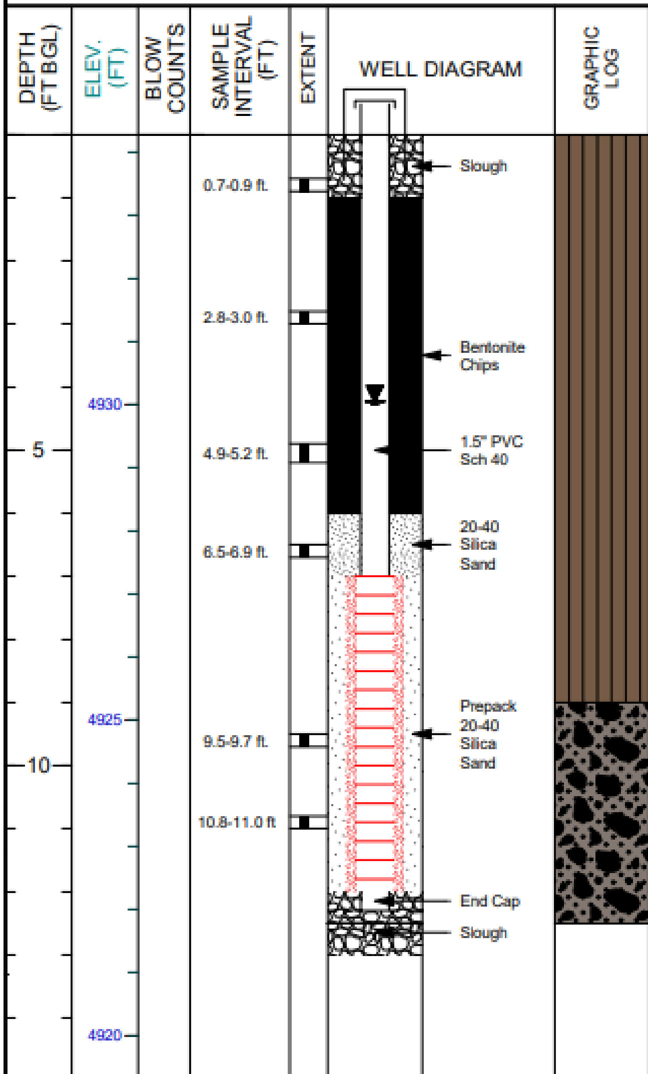
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyzed for Uranium.



LITHOLOGIC DESCRIPTION

0-4.0 ft., 80% recovery - (missing 3.5-4.0 ft)

4.0-9.0 ft. 60% recovery - [missing 7.0-9.0 ft).

0-9.0 ft., SILTSilt (ML); dry, fine-med grained; trace mottling Fe; Brown (7.5YR 4/3), moist at 2.0 ft, wet at 6.0 ft.

9.0-12.5 ft. 57% recovery - (missing 11.0-12.5 ft.)

9.0-12.5 ft., GRAVEL with SAND (GW-SW); 15%fine to mediu grain sands, trace Fe and mica, round to subrounded, 50% clasts >1.0" in diameter, gray (7%YR 5/1), wet.

Total depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-1009

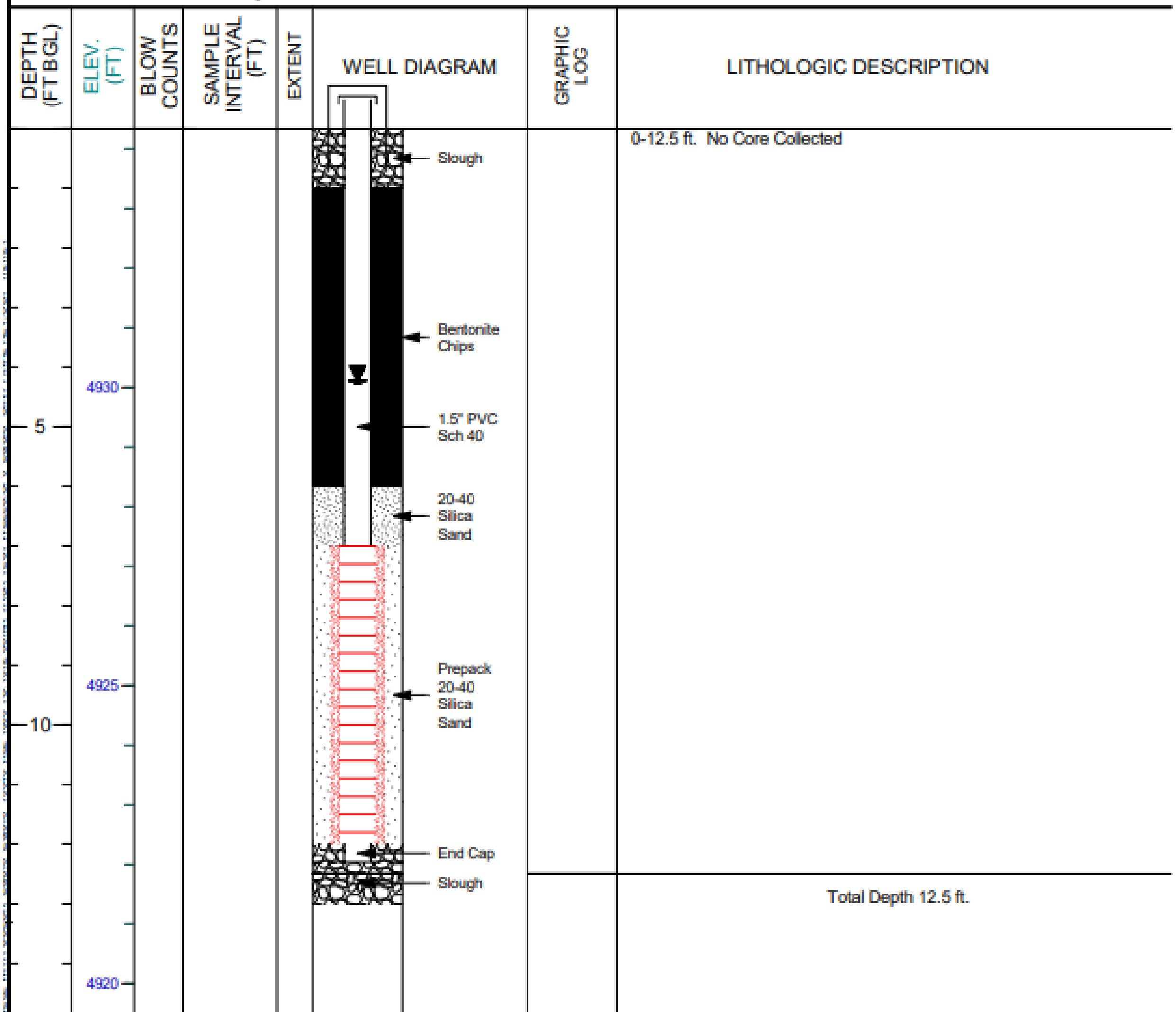
PROJECT LM
LOCATION RIVERTON , WY
SITE Riverton Processing Site
DRILLING METHOD Direct Push
DRILL COMPANY Navarro
RIG TYPE Geoprobe 7822DT
COORD SYS N83_2011_LAT_LONG

WELL NUMBER RVT01-1009
NORTH COORD. (FT) 42.99
EAST COORD. (FT) -108.40
HOLE DEPTH (FT BGS) 12.5
WELL DEPTH (FT BGS) 12.3
WATER LEVEL (FT BTOC) 6.8
WATER LEVEL DATE 7/10/2020

DATE STARTED 7/8/2020
WELL ESTABLISHED 7/8/2020
SURFACE ELEV (FT) 4934.34
TOP OF CASING (FT) 4936.91
MEAS. PT. ELEV. (FT) 4936.91
SLOT SIZE (IN) 0.010
BIT SIZE(S) (IN) 3.25

	WELL INSTALLATION	INTERVAL (FT BGS)		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.57	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	12.5

DRILLER Sellers, D
LOGGED BY Dander, D.
SAMPLING METHOD CORE LINER
DATE DEVELOPED
REMARKS



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MONITORING WELL COMPLETION LOG RVT01-1010

PROJECT	LM	WELL NUMBER	RVT01-1010	DATE STARTED	7/8/2020
LOCATION	RIVERTON , WY	NORTH COORD. (FT)	42.99	WELL ESTABLISHED	7/8/2020
SITE	Riverton Processing Site	EAST COORD. (FT)	-108.40	SURFACE ELEV (FT)	4934.44
DRILLING METHOD	Direct Push	HOLE DEPTH (FT BGS)	12.5	TOP OF CASING (FT)	4937.01
DRILL COMPANY	Navarro	WELL DEPTH (FT BGS)	12.3	MEAS. PT. ELEV. (FT)	4937.01
RIG TYPE	Geoprobe 7822DT	WATER LEVEL (FT BTOC)	6.8	SLOT SIZE (IN)	0.010
COORD SYS	N83_2011_LAT_LONG	WATER LEVEL DATE	7/10/2020	BIT SIZE(S) (IN)	3.25

	WELL INSTALLATION	INTERVAL (FT BGS)		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.57	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	7.0
LOWER PACK:	Slough	7.0	to	12.5

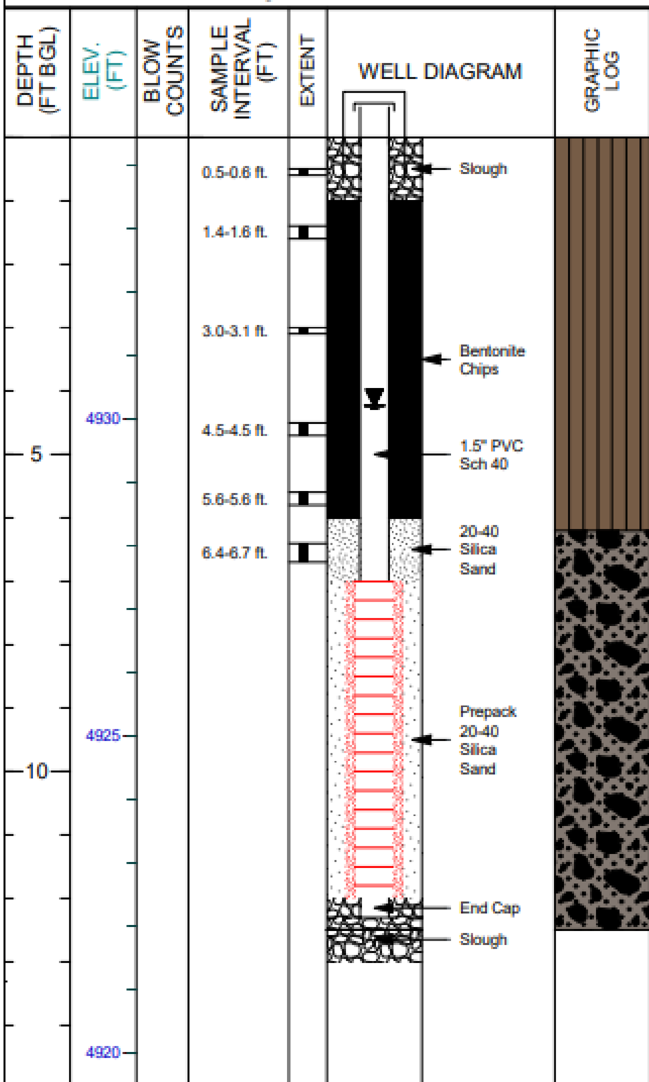
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 9-12ft core barrel shoe fell off, pulled then pushed other rod to 12ft set well. 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyzed for Uranium.



LITHOLOGIC DESCRIPTION

0-4.0 ft., 80% recovery - (missing 3.5-4.0 ft)

4.0-9.0 ft. 60% recovery - [missing 7.0-9.0 ft).

0-6.2 ft., SILT (ML); dry, fine-med grained; trace mottling Fe; Brown (7.5YR 4/3), moist at 2.0 ft.

9.0-12.5 ft. 0% recovery - flowing sands

6.5-12.5 ft., GRAVELwith SAND (GW-SW); 15% fine to medium grain sands, trace Fe and mica, round to subrounded, 50% clasts >1.0" in diameter, gray (7%YR 5/1), wet 6.3 ft.

Total depth 12.5 ft.

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MONITORING WELL COMPLETION LOG RVT01-1011

PROJECT	LM	**WELL NUMBER**	RVT01-1011	**DATE STARTED**	7/8/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/8/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.48
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4936.93
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.93
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BGS)**		**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**		**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.45	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	8.0
LOWER PACK:	Slough	7.0	to	13.0

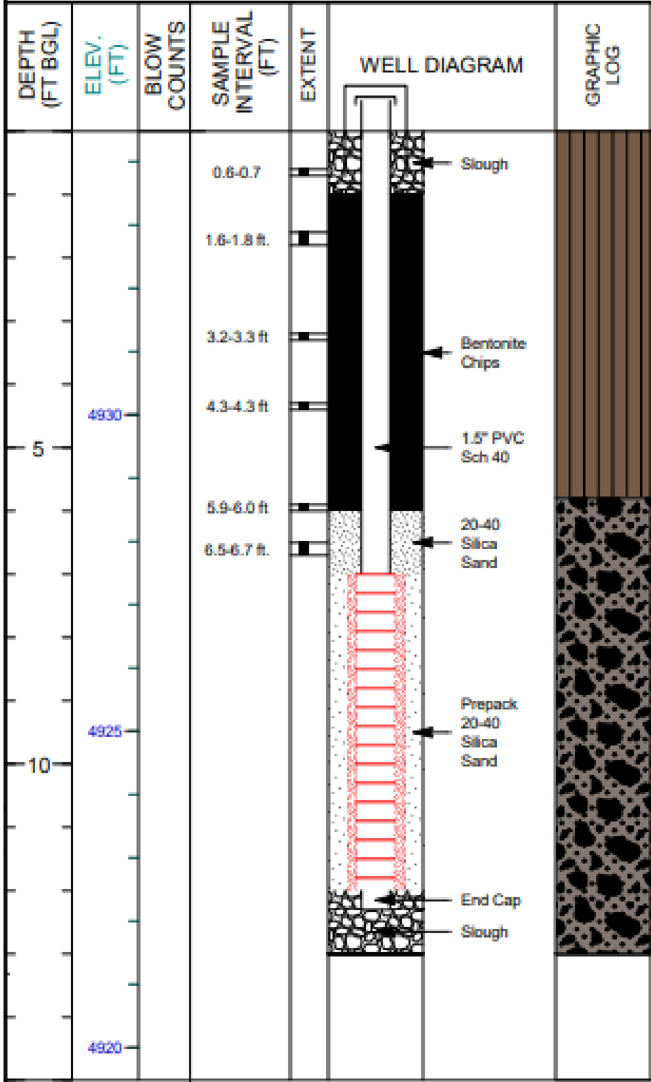
DRILLER Sellers, D

LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyized for Uranium.



LITHOLOGIC DESCRIPTION

0-4.0 ft., 90% recovery - (missing 3.5-4.0 ft)

4.0-8.0 ft. 60% recovery - [missing 7.0-9.0 ft).

0-5.8 ft., SILT (ML); dry, fine-med grained; trace mottling Fe; Brown (7.5YR 4/3), moist at 2.0 ft.

8.0-13.0 ft. 0% recovery - flowing sands

5.8-13.0 ft., GRAVELwith SAND (GW-SW); 15% fine to medium grain sands, trace Fe and mica, round to subrounded, 50% clasts >1.0" in diameter, gray (7%YR 5/1), wet.

Total depth 13.0 ft.

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MONITORING WELL COMPLETION LOG RVT01-1012

PROJECT	LM	**WELL NUMBER**	RVT01-1012	**DATE STARTED**	7/8/2020
LOCATION	RIVERTON , WY	**NORTH COORD. (FT)**	42.99	**WELL ESTABLISHED**	7/8/2020
SITE	Riverton Processing Site	**EAST COORD. (FT)**	-108.40	**SURFACE ELEV (FT)**	4934.49
DRILLING METHOD	Direct Push	**HOLE DEPTH (FT BGS)**	13.0	**TOP OF CASING (FT)**	4936.98
DRILL COMPANY	Navarro	**WELL DEPTH (FT BGS)**	12.3	**MEAS. PT. ELEV. (FT)**	4936.98
RIG TYPE	Geoprobe 7822DT	**WATER LEVEL (FT BTOC)**	6.8	**SLOT SIZE (IN)**	0.010
COORD SYS	N83_2011_LAT_LONG	**WATER LEVEL DATE**	7/10/2020	**BIT SIZE(S) (IN)**	3.25

	WELL INSTALLATION	**INTERVAL (FT BGS)**		
SURFACE CASING:				
BLANK CASING:	1.5 in.dia. PVC Sch 40	-2.49	to	7.0
WELL SCREEN:	1.5 in.dia. PVC Prepacked	7.0	to	12.0
SUMP/END CAP:	1.5 in.dia. PVC	12.0	to	12.3
GROUT:	Native Soil/Fill	0.0	to	1.0
SEAL:	Bentonite	1.0	to	6.0
UPPER PACK:	20-40 Silica Sand	6.0	to	8.0
LOWER PACK:	Slough	7.0	to	13.0

DRILLER Sellers, D

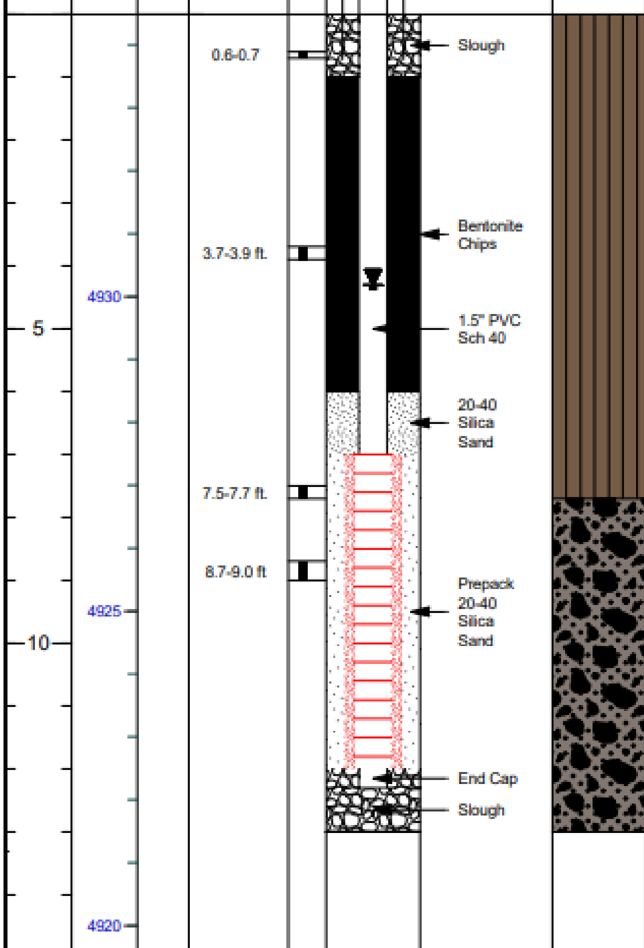
LOGGED BY Dander, D.

SAMPLING METHOD CORE LINER

DATE DEVELOPED

REMARKS 5.0 ft. continous core liners used to collect core and soil samples. Samples were analyized for Uranium.

DEPTH (FT BGL)	ELEV. (FT)	BLOW COUNTS	SAMPLE INTERVAL (FT)	EXTENT	WELL DIAGRAM	GRAPHIC LOG	LITHOLOGIC DESCRIPTION



0-3.0 ft., 43% recovery - (missing 1.3-3.0 ft)

3.0-6.0 ft. 100% recovery.

0-7.7 ft., SILT (ML); dry, fine-med grained; trace mottling Fe; Brown (7.5YR 4/3), moist at 3.0 ft. Wet at 6.0 ft.

6.0-13.0 ft. 43% recovery - flowing sands

7.7-13.0 ft., GRAVELwith SAND (GW-SW); 15% fine to medium grain sands, trace Fe and mica, round to subrounded, 50% clasts >1.0" in diameter, gray (7%YR 5/1), wet.

Total depth 13.0 ft.

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Appendix C

Soils and Sediment Data of Experimental Wells

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1000

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	~6-7	0.3064

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1002

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	6.6-6.8	1.6599
		7/14/2020	8-8.2	0.4104

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1003

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	1.0-1.3	2.9419
		7/14/2020	2.8-3.0	3.9636

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1007

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	0.8-0.9	0.8664
		7/14/2020	3.4-3.6	2.9903
		7/14/2020	5.2-5.4	1.9331
		7/14/2020	5.7-5.9	0.2281
		7/14/2020	7.4-7.5	0.3625
		7/14/2020	8.5-8.7	0.2955

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1008

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	0.7-0.9	1.1289
		7/14/2020	2.8-3.0	4.9533
		7/14/2020	4.9-5.2	0.9976
		7/14/2020	6.5-6.7	1.8254
		7/14/2020	9.5-9.7	0.5366
		7/14/2020	10.8-11.0	0.3567

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1010

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	0.5-0.6	1.6461
		7/14/2020	1.4-1.6	3.054
		7/14/2020	3.0-3.1	5.8403
		7/14/2020	4.5-4.7	2.8638
		7/14/2020	5.6-5.8	1.4055
		7/14/2020	6.4-6.7	0.3567

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1011

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	0.6-0.7	1.3932
		7/14/2020	1.6-1.8	3.7876
		7/14/2020	3.2-3.3	3.3682
		7/14/2020	4.3-4.4	1.2916
		7/14/2020	5.9-6.0	0.626
		7/14/2020	6.5	0.4247

Soil Chemistry Data By Parameter, 5% Nitric Extraction, Well 1012

Parameter	Units	Sample Date	Elev. Range (ft)	Result
Uranium	mg/kg	7/14/2020	0.6-0.7	0.924
		7/14/2020	3.7-3.9	4.7931
		7/14/2020	6.4-6.6	3.1798
		7/14/2020	7.5-7.7	2.8863
		7/14/2020	7.7-7.8	0.6639
		7/14/2020	8.7-9.0	1.4297

Appendix D

Surface and Groundwater Data of Experimental Wells

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/18/2020 9:43	192
		7/18/2020 9:44	176
		7/18/2020 9:45	186

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/18/2020 9:43	49
		7/18/2020 9:44	49
		7/18/2020 9:45	48

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/18/2020 9:43	7.6
		7/18/2020 9:44	7.6
		7/18/2020 9:45	7.6

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/18/2020 9:43	7.3
		7/18/2020 9:44	----
		7/18/2020 9:45	----

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/18/2020 9:43	183
		7/18/2020 9:44	181
		7/18/2020 9:45	182

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/18/2020 9:43	480
		7/18/2020 9:44	490
		7/18/2020 9:45	483

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/18/2020 9:43	0.0280
		7/18/2020 9:44	< DL
		7/18/2020 9:45	0.4510

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/18/2020 9:43	25
		7/18/2020 9:44	26
		7/18/2020 9:45	29

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/18/2020 9:43	0.005
		7/18/2020 9:44	0.004
		7/18/2020 9:45	0.011

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/18/2020 9:43	0.005
		7/18/2020 9:44	0.005
		7/18/2020 9:45	0.015

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/18/2020 9:43	0.5
		7/18/2020 9:44	0.5
		7/18/2020 9:45	0.5

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/18/2020 9:43	147.4
		7/18/2020 9:44	129
		7/18/2020 9:45	120.2

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/18/2020 9:43	543
		7/18/2020 9:44	546
		7/18/2020 9:45	543

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
pH	----	7/18/2020 9:43	8.55
		7/18/2020 9:44	8.59
		7/18/2020 9:45	8.59

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/18/2020 9:43	96
		7/18/2020 9:44	96
		7/18/2020 9:45	96

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/18/2020 9:43	0.0220
		7/18/2020 9:44	0.0050
		7/18/2020 9:45	0.0220

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/18/2020 9:43	112
		7/18/2020 9:44	120
		7/18/2020 9:45	134

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	**Units**	**Sample Date**	**Result**
Specific Conductance	µS/cm	7/18/2020 9:43	1420
		7/18/2020 9:44	1422
		7/18/2020 9:45	1420

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	**Units**	**Sample Date**	**Result**
Strontium	mg/L	7/18/2020 9:43	0.7820
		7/18/2020 9:44	0.7750
		7/18/2020 9:45	0.7670

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	**Units**	**Sample Date**	**Result**
Sulfate	mg/L	7/18/2020 9:43	205
		7/18/2020 9:44	205
		7/18/2020 9:45	206

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	**Units**	**Sample Date**	**Result**
Uranium	µg/L	7/18/2020 9:43	9.7
		7/18/2020 9:44	24.3
		7/18/2020 9:45	9.9

Injection Fluid Quality Data By Parameter, Little Wind River

Parameter	**Units**	**Sample Date**	**Result**
Vanadium	mg/L	7/18/2020 9:43	0.001
		7/18/2020 9:44	0.001
		7/18/2020 9:45	0.005

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 9:34	539
		7/17/2020 15:41	540
		7/18/2020 18:52	566
		7/19/2020 10:07	498
		7/19/2020 18:20	522
		7/20/2020 7:36	540
		7/20/2020 13:32	554
		7/20/2020 18:40	576
		7/21/2020 8:18	534
		7/21/2020 18:08	514
		7/22/2020 8:23	564
		7/22/2020 18:23	536
		7/23/2020 8:28	520
		7/23/2020 19:55	520
		7/24/2020 9:10	546
		7/25/2020 8:23	512
		7/27/2020 9:36	510
		7/29/2020 12:10	508
		7/31/2020 14:44	514
		8/3/2020 12:27	476
		8/5/2020 9:08	516
			539

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 9:34	410
		7/17/2020 15:41	412
		7/18/2020 18:52	----
		7/19/2020 10:07	380
		7/19/2020 18:20	382
		7/20/2020 7:36	378
		7/20/2020 13:32	390
		7/20/2020 18:40	380
		7/21/2020 8:18	394
		7/21/2020 18:08	397
		7/22/2020 8:23	393
		7/22/2020 18:23	----
		7/23/2020 8:28	398
		7/23/2020 19:55	392
		7/24/2020 9:10	423
		7/25/2020 8:23	425
		7/27/2020 9:36	420
		7/29/2020 12:10	428
		7/31/2020 14:44	421
		8/3/2020 12:27	394
		8/5/2020 9:08	404

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 9:34	404
		7/17/2020 15:41	416
		7/18/2020 18:52	401
		7/19/2020 10:07	414
		7/19/2020 18:20	418
		7/20/2020 7:36	421
		7/20/2020 13:32	417
		7/20/2020 18:40	402
		7/21/2020 8:18	408
		7/21/2020 18:08	415
		7/22/2020 8:23	410
		7/22/2020 18:23	411
		7/23/2020 8:28	410
		7/23/2020 19:55	416
		7/24/2020 9:10	420
		7/25/2020 8:23	416
		7/27/2020 9:36	415
		7/29/2020 12:10	414
		7/31/2020 14:44	418
		8/3/2020 12:27	419
		8/5/2020 9:08	418

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Dissolve Oxygen	mg/L	7/17/2020 9:34	1.5
		7/17/2020 15:41	1.0
		7/18/2020 18:52	1.4
		7/19/2020 10:07	1.3
		7/19/2020 18:20	---
		7/20/2020 7:36	0.9
		7/20/2020 13:32	---
		7/20/2020 18:40	---
		7/21/2020 8:18	1.2
		7/21/2020 18:08	---
		7/22/2020 8:23	0.6
		7/22/2020 18:23	---
		7/23/2020 8:28	1.5
		7/23/2020 19:55	---
		7/24/2020 9:10	1.0
		7/25/2020 8:23	1.3
		7/27/2020 9:36	1.6
		7/29/2020 12:10	0.8
		7/31/2020 14:44	1.5
		8/3/2020 12:27	1.4
		8/5/2020 9:08	1.4

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Dissolve Organic Carbon	mg/L	7/17/2020 9:34	30
		7/17/2020 15:41	---
		7/18/2020 18:52	33
		7/19/2020 10:07	---
		7/19/2020 18:20	27
		7/20/2020 7:36	---
		7/20/2020 13:32	29
		7/20/2020 18:40	---
		7/21/2020 8:18	26
		7/21/2020 18:08	---
		7/22/2020 8:23	---
		7/22/2020 18:23	---
		7/23/2020 8:28	---
		7/23/2020 19:55	---
		7/24/2020 9:10	---
		7/25/2020 8:23	---
		7/27/2020 9:36	---
		7/29/2020 12:10	---
		7/31/2020 14:44	---
		8/3/2020 12:27	---
		8/5/2020 9:08	27

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 9:34	0.50
		7/17/2020 15:41	0.50
		7/18/2020 18:52	20
		7/19/2020 10:07	2.0
		7/19/2020 18:20	1.2
		7/20/2020 7:36	0.50
		7/20/2020 13:32	0.50
		7/20/2020 18:40	0.50
		7/21/2020 8:18	0.50
		7/21/2020 18:08	0.50
		7/22/2020 8:23	0.50
		7/22/2020 18:23	0.50
		7/23/2020 8:28	0.50
		7/23/2020 19:55	0.50
		7/24/2020 9:10	0.50
		7/25/2020 8:23	0.50
		7/27/2020 9:36	0.50
		7/29/2020 12:10	0.50
		7/31/2020 14:44	0.50
		8/3/2020 12:27	0.50
		8/5/2020 9:08	0.50

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Ferrous Iron	mg/L	7/17/2020 9:34	0.60
		7/17/2020 15:41	0.66
		7/18/2020 18:52	0.62
		7/19/2020 10:07	0.41
		7/19/2020 18:20	---
		7/20/2020 7:36	0.37
		7/20/2020 13:32	---
		7/20/2020 18:40	---
		7/21/2020 8:18	0.46
		7/21/2020 18:08	---
		7/22/2020 8:23	0.48
		7/22/2020 18:23	---
		7/23/2020 8:28	0.45
		7/23/2020 19:55	---
		7/24/2020 9:10	0.42
		7/25/2020 8:23	0.41
		7/27/2020 9:36	0.29
		7/29/2020 12:10	0.25
		7/31/2020 14:44	0.11
		8/3/2020 12:27	0.06
		8/5/2020 9:08	0.07

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 9:34	327
		7/17/2020 15:41	328
		7/18/2020 18:52	---
		7/19/2020 10:07	305
		7/19/2020 18:20	309
		7/20/2020 7:36	302
		7/20/2020 13:32	313
		7/20/2020 18:40	304
		7/21/2020 8:18	306
		7/21/2020 18:08	309
		7/22/2020 8:23	302
		7/22/2020 18:23	---
		7/23/2020 8:28	301
		7/23/2020 19:55	300
		7/24/2020 9:10	325
		7/25/2020 8:23	327
		7/27/2020 9:36	320
		7/29/2020 12:10	321
		7/31/2020 14:44	316
		8/3/2020 12:27	294
		8/5/2020 9:08	302

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 9:34	---
		7/17/2020 15:41	---
		7/18/2020 18:52	---
		7/19/2020 10:07	---
		7/19/2020 18:20	---
		7/20/2020 7:36	---
		7/20/2020 13:32	---
		7/20/2020 18:40	---
		7/21/2020 8:18	---
		7/21/2020 18:08	---
		7/22/2020 8:23	---
		7/22/2020 18:23	---
		7/23/2020 8:28	---
		7/23/2020 19:55	---
		7/24/2020 9:10	---
		7/25/2020 8:23	---
		7/27/2020 9:36	---
		7/29/2020 12:10	---
		7/31/2020 14:44	---
		8/3/2020 12:27	---
		8/5/2020 9:08	---

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 9:34	---
		7/17/2020 15:41	---
		7/18/2020 18:52	---
		7/19/2020 10:07	---
		7/19/2020 18:20	---
		7/20/2020 7:36	---
		7/20/2020 13:32	---
		7/20/2020 18:40	---
		7/21/2020 8:18	---
		7/21/2020 18:08	---
		7/22/2020 8:23	---
		7/22/2020 18:23	---
		7/23/2020 8:28	---
		7/23/2020 19:55	---
		7/24/2020 9:10	---
		7/25/2020 8:23	---
		7/27/2020 9:36	---
		7/29/2020 12:10	---
		7/31/2020 14:44	---
		8/3/2020 12:27	---
		8/5/2020 9:08	---

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 9:34	0.5
		7/17/2020 15:41	0.5
		7/18/2020 18:52	0.5
		7/19/2020 10:07	0.5
		7/19/2020 18:20	0.5
		7/20/2020 7:36	0.5
		7/20/2020 13:32	0.5
		7/20/2020 18:40	0.5
		7/21/2020 8:18	0.5
		7/21/2020 18:08	0.5
		7/22/2020 8:23	0.5
		7/22/2020 18:23	0.5
		7/23/2020 8:28	0.5
		7/23/2020 19:55	0.5
		7/24/2020 9:10	0.5
		7/25/2020 8:23	0.5
		7/27/2020 9:36	0.5
		7/29/2020 12:10	0.5
		7/31/2020 14:44	0.5
		8/3/2020 12:27	0.5
		8/5/2020 9:08	0.5

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 9:34	-237
		7/17/2020 15:41	-207
		7/18/2020 18:52	-171.7
		7/19/2020 10:07	-191.4
		7/19/2020 18:20	-187
		7/20/2020 7:36	-140
		7/20/2020 13:32	-110.4
		7/20/2020 18:40	-89.1
		7/21/2020 8:18	-113.1
		7/21/2020 18:08	-97.8
		7/22/2020 8:23	-78
		7/22/2020 18:23	-66.8
		7/23/2020 8:28	-99.6
		7/23/2020 19:55	75.5
		7/24/2020 9:10	53.2
		7/25/2020 8:23	63.4
		7/27/2020 9:36	72.1
		7/29/2020 12:10	48.1
		7/31/2020 14:44	44.2
		8/3/2020 12:27	85.5
		8/5/2020 9:08	79.7

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 9:34	0.10
		7/17/2020 15:41	0.10
		7/18/2020 18:52	22
		7/19/2020 10:07	2.1
		7/19/2020 18:20	1.2
		7/20/2020 7:36	0.58
		7/20/2020 13:32	0.36
		7/20/2020 18:40	0.25
		7/21/2020 8:18	0.10
		7/21/2020 18:08	0.10
		7/22/2020 8:23	0.10
		7/22/2020 18:23	0.10
		7/23/2020 8:28	0.10
		7/23/2020 19:55	0.10
		7/24/2020 9:10	0.10
		7/25/2020 8:23	0.10
		7/27/2020 9:36	0.10
		7/29/2020 12:10	0.10
		7/31/2020 14:44	0.10
		8/3/2020 12:27	0.10
		8/5/2020 9:08	0.20

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 9:34	7.09
		7/17/2020 15:41	7.16
		7/18/2020 18:52	7.16
		7/19/2020 10:07	7.15
		7/19/2020 18:20	7.10
		7/20/2020 7:36	7.07
		7/20/2020 13:32	7.08
		7/20/2020 18:40	7.13
		7/21/2020 8:18	7.15
		7/21/2020 18:08	7.09
		7/22/2020 8:23	7.08
		7/22/2020 18:23	7.04
		7/23/2020 8:28	7.14
		7/23/2020 19:55	7.06
		7/24/2020 9:10	7.14
		7/25/2020 8:23	7.19
		7/27/2020 9:36	7.14
		7/29/2020 12:10	7.10
		7/31/2020 14:44	7.21
		8/3/2020 12:27	7.25
		8/5/2020 9:08	7.14

Groundwater Quality Data By Parameter, Well 1000

Parameter	**Units**	**Sample Date**	**Result**
Potassium	mg/L	7/17/2020 9:34	6
		7/17/2020 15:41	<5.61
		7/18/2020 18:52	----
		7/19/2020 10:07	<5.61
		7/19/2020 18:20	<5.61
		7/20/2020 7:36	<5.61
		7/20/2020 13:32	<5.61
		7/20/2020 18:40	8
		7/21/2020 8:18	6
		7/21/2020 18:08	<5.61
		7/22/2020 8:23	<5.61
		7/22/2020 18:23	----
		7/23/2020 8:28	<5.61
		7/23/2020 19:55	<5.61
		7/24/2020 9:10	6
		7/25/2020 8:23	<5.61
		7/27/2020 9:36	<5.61
		7/29/2020 12:10	<5.61
		7/31/2020 14:44	<5.61
		8/3/2020 12:27	8
		8/5/2020 9:08	6

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 9:34	---
		7/17/2020 15:41	---
		7/18/2020 18:52	---
		7/19/2020 10:07	---
		7/19/2020 18:20	---
		7/20/2020 7:36	---
		7/20/2020 13:32	---
		7/20/2020 18:40	---
		7/21/2020 8:18	---
		7/21/2020 18:08	---
		7/22/2020 8:23	---
		7/22/2020 18:23	---
		7/23/2020 8:28	---
		7/23/2020 19:55	---
		7/24/2020 9:10	---
		7/25/2020 8:23	---
		7/27/2020 9:36	---
		7/29/2020 12:10	---
		7/31/2020 14:44	---
		8/3/2020 12:27	---
		8/5/2020 9:08	---

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 9:34	1882
		7/17/2020 15:41	1879
		7/18/2020 18:52	----
		7/19/2020 10:07	1792
		7/19/2020 18:20	1806
		7/20/2020 7:36	1793
		7/20/2020 13:32	1809
		7/20/2020 18:40	1711
		7/21/2020 8:18	1749
		7/21/2020 18:08	1770
		7/22/2020 8:23	1759
		7/22/2020 18:23	----
		7/23/2020 8:28	1732
		7/23/2020 19:55	1738
		7/24/2020 9:10	1806
		7/25/2020 8:23	1798
		7/27/2020 9:36	1763
		7/29/2020 12:10	1745
		7/31/2020 14:44	1750
		8/3/2020 12:27	1796
		8/5/2020 9:08	1816

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Specific Conductance	µS/cm	7/17/2020 9:34	10040
		7/17/2020 15:41	9970
		7/18/2020 18:52	9110
		7/19/2020 10:07	10020
		7/19/2020 18:20	10050
		7/20/2020 7:36	9860
		7/20/2020 13:32	9830
		7/20/2020 18:40	9820
		7/21/2020 8:18	10010
		7/21/2020 18:08	9900
		7/22/2020 8:23	9830
		7/22/2020 18:23	9760
		7/23/2020 8:28	10000
		7/23/2020 19:55	10190
		7/24/2020 9:10	10170
		7/25/2020 8:23	10040
		7/27/2020 9:36	10130
		7/29/2020 12:10	10230
		7/31/2020 14:44	10270
		8/3/2020 12:27	10200
		8/5/2020 9:08	10280

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 9:34	3.9
		7/17/2020 15:41	3.9
		7/18/2020 18:52	---
		7/19/2020 10:07	3.7
		7/19/2020 18:20	3.7
		7/20/2020 7:36	3.7
		7/20/2020 13:32	3.8
		7/20/2020 18:40	3.7
		7/21/2020 8:18	3.8
		7/21/2020 18:08	3.8
		7/22/2020 8:23	3.8
		7/22/2020 18:23	---
		7/23/2020 8:28	3.8
		7/23/2020 19:55	3.7
		7/24/2020 9:10	4.0
		7/25/2020 8:23	4.0
		7/27/2020 9:36	4.0
		7/29/2020 12:10	4.0
		7/31/2020 14:44	4.0
		8/3/2020 12:27	3.8
		8/5/2020 9:08	3.9

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 9:34	5086
		7/17/2020 15:41	5045
		7/18/2020 18:52	5040
		7/19/2020 10:07	5237
		7/19/2020 18:20	5306
		7/20/2020 7:36	5357
		7/20/2020 13:32	5297
		7/20/2020 18:40	5059
		7/21/2020 8:18	5135
		7/21/2020 18:08	5268
		7/22/2020 8:23	5167
		7/22/2020 18:23	5199
		7/23/2020 8:28	5188
		7/23/2020 19:55	5287
		7/24/2020 9:10	5238
		7/25/2020 8:23	5275
		7/27/2020 9:36	5277
		7/29/2020 12:10	5233
		7/31/2020 14:44	5300
		8/3/2020 12:27	5320
		8/5/2020 9:08	5303

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Uranium	µg/L	7/17/2020 9:34	1100
		7/17/2020 15:41	1090
		7/18/2020 18:52	----
		7/19/2020 10:07	----
		7/19/2020 18:20	----
		7/20/2020 7:36	----
		7/20/2020 13:32	----
		7/20/2020 18:40	----
		7/21/2020 8:18	1140
		7/21/2020 18:08	----
		7/22/2020 8:23	----
		7/22/2020 18:23	----
		7/23/2020 8:28	----
		7/23/2020 19:55	----
		7/24/2020 9:10	----
		7/25/2020 8:23	----
		7/27/2020 9:36	----
		7/29/2020 12:10	1160
		7/31/2020 14:44	----
		8/3/2020 12:27	----
		8/5/2020 9:08	----

Groundwater Quality Data By Parameter, Well 1000

Parameter	Units	Sample Date	Result
Vanadium	µg/L	7/17/2020 9:34	----
		7/17/2020 15:41	----
		7/18/2020 18:52	----
		7/19/2020 10:07	----
		7/19/2020 18:20	----
		7/20/2020 7:36	----
		7/20/2020 13:32	----
		7/20/2020 18:40	----
		7/21/2020 8:18	----
		7/21/2020 18:08	----
		7/22/2020 8:23	----
		7/22/2020 18:23	----
		7/23/2020 8:28	----
		7/23/2020 19:55	----
		7/24/2020 9:10	----
		7/25/2020 8:23	----
		7/27/2020 9:36	----
		7/29/2020 12:10	----
		7/31/2020 14:44	----
		8/3/2020 12:27	----
		8/5/2020 9:08	----

Groundwater Quality Data By Parameter, Well 1001

Parameter	**Units**	**Sample Date**	**Result**
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 9:50	542
		7/17/2020 16:03	540
		7/18/2020 19:02	198
		7/19/2020 10:19	195
		7/19/2020 18:26	247
		7/20/2020 7:48	352
		7/20/2020 13:45	416
		7/20/2020 18:49	470
		7/21/2020 8:25	466
		7/21/2020 13:17	490
		7/21/2020 18:14	500
		7/22/2020 8:35	532
		7/22/2020 13:30	516
		7/22/2020 18:29	516
		7/23/2020 8:38	516
		7/23/2020 20:02	534
		7/24/2020 9:20	530
		7/24/2020 19:33	530
		7/25/2020 8:32	520
		7/25/2020 19:26	522
		7/26/2020 9:40	524
		7/26/2020 19:41	534
		7/27/2020 9:51	526
		7/27/2020 20:47	516
		7/28/2020 9:19	516
		7/28/2020 19:15	530
		7/29/2020 8:55	522
		7/29/2020 19:22	502
		7/30/2020 9:30	498
		7/30/2020 18:05	508
		7/31/2020 8:57	484
		7/31/2020 18:45	516
		8/1/2020 9:04	536
		8/2/2020 8:57	486
		8/3/2020 11:22	524
		8/4/2020 8:23	520
		8/5/2020 9:16	504

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 9:50	253
		7/17/2020 16:03	235
		7/18/2020 19:02	45
		7/19/2020 10:19	46
		7/19/2020 18:26	100
		7/20/2020 7:48	200
		7/20/2020 13:45	233
		7/20/2020 18:49	230
		7/21/2020 8:25	260
		7/21/2020 13:17	262
		7/21/2020 18:14	264
		7/22/2020 8:35	271
		7/22/2020 13:30	270
		7/22/2020 18:29	274
		7/23/2020 8:38	275
		7/23/2020 20:02	257
		7/24/2020 9:20	260
		7/24/2020 19:33	264
		7/25/2020 8:32	278
		7/25/2020 19:26	269
		7/26/2020 9:40	258
		7/26/2020 19:41	251
		7/27/2020 9:51	270
		7/27/2020 20:47	258
		7/28/2020 9:19	253
		7/28/2020 19:15	264
		7/29/2020 8:55	246
		7/29/2020 19:22	249
		7/30/2020 9:30	272
		7/30/2020 18:05	249
		7/31/2020 8:57	247
		7/31/2020 18:45	---
		8/1/2020 9:04	263
		8/2/2020 8:57	252
		8/3/2020 11:22	253
		8/4/2020 8:23	256
		8/5/2020 9:16	255

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 9:50	418
		7/17/2020 16:03	420
		7/18/2020 19:02	16
		7/19/2020 10:19	25
		7/19/2020 18:26	77
		7/20/2020 7:48	221
		7/20/2020 13:45	232
		7/20/2020 18:49	270
		7/21/2020 8:25	347
		7/21/2020 13:17	375
		7/21/2020 18:14	383
		7/22/2020 8:35	401
		7/22/2020 13:30	409
		7/22/2020 18:29	407
		7/23/2020 8:38	416
		7/23/2020 20:02	418
		7/24/2020 9:20	419
		7/24/2020 19:33	418
		7/25/2020 8:32	420
		7/25/2020 19:26	420
		7/26/2020 9:40	423
		7/26/2020 19:41	422
		7/27/2020 9:51	423
		7/27/2020 20:47	421
		7/28/2020 9:19	423
		7/28/2020 19:15	421
		7/29/2020 8:55	413
		7/29/2020 19:22	423
		7/30/2020 9:30	421
		7/30/2020 18:05	424
		7/31/2020 8:57	423
		7/31/2020 18:45	424
		8/1/2020 9:04	423
		8/2/2020 8:57	424
		8/3/2020 11:22	424
		8/4/2020 8:23	424
		8/5/2020 9:16	426

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 9:50	1.5
		7/17/2020 16:03	1.8
		7/18/2020 19:02	4.5
		7/19/2020 10:19	6.2
		7/19/2020 18:26	----
		7/20/2020 7:48	7
		7/20/2020 13:45	----
		7/20/2020 18:49	----
		7/21/2020 8:25	7.9
		7/21/2020 13:17	----
		7/21/2020 18:14	----
		7/22/2020 8:35	7.6
		7/22/2020 13:30	----
		7/22/2020 18:29	----
		7/23/2020 8:38	7.4
		7/23/2020 20:02	----
		7/24/2020 9:20	1.4
		7/24/2020 19:33	----
		7/25/2020 8:32	1.6
		7/25/2020 19:26	----
		7/26/2020 9:40	1.5
		7/26/2020 19:41	----
		7/27/2020 9:51	0.8
		7/27/2020 20:47	----
		7/28/2020 9:19	1.1
		7/28/2020 19:15	----
		7/29/2020 8:55	1.0
		7/29/2020 19:22	----
		7/30/2020 9:30	1.5
		7/30/2020 18:05	----
		7/31/2020 8:57	0.7
		7/31/2020 18:45	----
		8/1/2020 9:04	1.6
		8/2/2020 8:57	0.7
		8/3/2020 11:22	1.4
		8/4/2020 8:23	1.1
		8/5/2020 9:16	1.4

Groundwater Quality Data By Parameter, Well 1001

Parameter	**Units**	**Sample Date**	**Result**
Dissolved Organic Carbon	mg/L	7/17/2020 9:50	25
		7/17/2020 16:03	25
		7/18/2020 19:02	179
		7/19/2020 10:19	167
		7/19/2020 18:26	157
		7/20/2020 7:48	102
		7/20/2020 13:45	84
		7/20/2020 18:49	74
		7/21/2020 8:25	50
		7/21/2020 13:17	44
		7/21/2020 18:14	39
		7/22/2020 8:35	30
		7/22/2020 13:30	29
		7/22/2020 18:29	28
		7/23/2020 8:38	27
		7/23/2020 20:02	24
		7/24/2020 9:20	24
		7/24/2020 19:33	25
		7/25/2020 8:32	24
		7/25/2020 19:26	24
		7/26/2020 9:40	24
		7/26/2020 19:41	23
		7/27/2020 9:51	25
		7/27/2020 20:47	23
		7/28/2020 9:19	25
		7/28/2020 19:15	24
		7/29/2020 8:55	24
		7/29/2020 19:22	25
		7/30/2020 9:30	24
		7/30/2020 18:05	24
		7/31/2020 8:57	24
		7/31/2020 18:45	24
		8/1/2020 9:04	24
		8/2/2020 8:57	24
		8/3/2020 11:22	25
		8/4/2020 8:23	24
		8/5/2020 9:16	---

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 9:50	0.50
		7/17/2020 16:03	0.50
		7/18/2020 19:02	488
		7/19/2020 10:19	468
		7/19/2020 18:26	410
		7/20/2020 7:48	259
		7/20/2020 13:45	205
		7/20/2020 18:49	155
		7/21/2020 8:25	80
		7/21/2020 13:17	61
		7/21/2020 18:14	48
		7/22/2020 8:35	27
		7/22/2020 13:30	19
		7/22/2020 18:29	16
		7/23/2020 8:38	6.7
		7/23/2020 20:02	2.1
		7/24/2020 9:20	3.0
		7/24/2020 19:33	2.2
		7/25/2020 8:32	1.9
		7/25/2020 19:26	1.3
		7/26/2020 9:40	1.4
		7/26/2020 19:41	1.1
		7/27/2020 9:51	0.70
		7/27/2020 20:47	0.90
		7/28/2020 9:19	0.60
		7/28/2020 19:15	0.50
		7/29/2020 8:55	1.1
		7/29/2020 19:22	0.70
		7/30/2020 9:30	0.50
		7/30/2020 18:05	0.50
		7/31/2020 8:57	0.50
		7/31/2020 18:45	0.50
		8/1/2020 9:04	0.50
		8/2/2020 8:57	0.50
		8/3/2020 11:22	1.3
		8/4/2020 8:23	0.90
		8/5/2020 9:16	0.50

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 9:50	0.292
		7/17/2020 16:03	0.27
		7/18/2020 19:02	0.025
		7/19/2020 10:19	1.839
		7/19/2020 18:26	0.035
		7/20/2020 7:48	0.044
		7/20/2020 13:45	0.622
		7/20/2020 18:49	0.031
		7/21/2020 8:25	0.051
		7/21/2020 13:17	0.068
		7/21/2020 18:14	0.011
		7/22/2020 8:35	0.045
		7/22/2020 13:30	0.039
		7/22/2020 18:29	0.037
		7/23/2020 8:38	0.084
		7/23/2020 20:02	0.114
		7/24/2020 9:20	0.094
		7/24/2020 19:33	0.094
		7/25/2020 8:32	0.201
		7/25/2020 19:26	0.317
		7/26/2020 9:40	0.353
		7/26/2020 19:41	0.417
		7/27/2020 9:51	0.605
		7/27/2020 20:47	0.631
		7/28/2020 9:19	0.68
		7/28/2020 19:15	0.694
		7/29/2020 8:55	0.798
		7/29/2020 19:22	0.751
		7/30/2020 9:30	0.776
		7/30/2020 18:05	0.736
		7/31/2020 8:57	0.735
		7/31/2020 18:45	----
		8/1/2020 9:04	0.723
		8/2/2020 8:57	0.961
		8/3/2020 11:22	0.594
		8/4/2020 8:23	0.565
		8/5/2020 9:16	0.50

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 9:50	311
		7/17/2020 16:03	291
		7/18/2020 19:02	29
		7/19/2020 10:19	33
		7/19/2020 18:26	72
		7/20/2020 7:48	163
		7/20/2020 13:45	207
		7/20/2020 18:49	215
		7/21/2020 8:25	261
		7/21/2020 13:17	272
		7/21/2020 18:14	276
		7/22/2020 8:35	289
		7/22/2020 13:30	301
		7/22/2020 18:29	307
		7/23/2020 8:38	313
		7/23/2020 20:02	298
		7/24/2020 9:20	304
		7/24/2020 19:33	309
		7/25/2020 8:32	328
		7/25/2020 19:26	321
		7/26/2020 9:40	302
		7/26/2020 19:41	294
		7/27/2020 9:51	315
		7/27/2020 20:47	301
		7/28/2020 9:19	298
		7/28/2020 19:15	315
		7/29/2020 8:55	294
		7/29/2020 19:22	296
		7/30/2020 9:30	318
		7/30/2020 18:05	296
		7/31/2020 8:57	300
		7/31/2020 18:45	---
		8/1/2020 9:04	310
		8/2/2020 8:57	299
		8/3/2020 11:22	298
		8/4/2020 8:23	303
		8/5/2020 9:16	301

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 9:50	1.155
		7/17/2020 16:03	1.065
		7/18/2020 19:02	0.003
		7/19/2020 10:19	0.05
		7/19/2020 18:26	0.05
		7/20/2020 7:48	0.101
		7/20/2020 13:45	0.14
		7/20/2020 18:49	0.108
		7/21/2020 8:25	0.103
		7/21/2020 13:17	0.143
		7/21/2020 18:14	0.103
		7/22/2020 8:35	0.179
		7/22/2020 13:30	0.162
		7/22/2020 18:29	0.165
		7/23/2020 8:38	0.455
		7/23/2020 20:02	0.751
		7/24/2020 9:20	0.965
		7/24/2020 19:33	1.166
		7/25/2020 8:32	1.258
		7/25/2020 19:26	1.162
		7/26/2020 9:40	1.032
		7/26/2020 19:41	1.016
		7/27/2020 9:51	1.042
		7/27/2020 20:47	1.027
		7/28/2020 9:19	0.993
		7/28/2020 19:15	1.059
		7/29/2020 8:55	1.045
		7/29/2020 19:22	1.021
		7/30/2020 9:30	1.092
		7/30/2020 18:05	1.038
		7/31/2020 8:57	1.04
		7/31/2020 18:45	----
		8/1/2020 9:04	1.102
		8/2/2020 8:57	1.1
		8/3/2020 11:22	1.094
		8/4/2020 8:23	1.149
		8/5/2020 9:16	1.1

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 9:50	0.398
		7/17/2020 16:03	0.375
		7/18/2020 19:02	0.012
		7/19/2020 10:19	0.048
		7/19/2020 18:26	0.081
		7/20/2020 7:48	0.171
		7/20/2020 13:45	0.223
		7/20/2020 18:49	0.237
		7/21/2020 8:25	0.296
		7/21/2020 13:17	0.311
		7/21/2020 18:14	0.326
		7/22/2020 8:35	0.35
		7/22/2020 13:30	0.357
		7/22/2020 18:29	0.376
		7/23/2020 8:38	0.384
		7/23/2020 20:02	0.361
		7/24/2020 9:20	0.373
		7/24/2020 19:33	0.379
		7/25/2020 8:32	0.402
		7/25/2020 19:26	0.391
		7/26/2020 9:40	0.376
		7/26/2020 19:41	0.378
		7/27/2020 9:51	0.403
		7/27/2020 20:47	0.382
		7/28/2020 9:19	0.371
		7/28/2020 19:15	0.399
		7/29/2020 8:55	0.377
		7/29/2020 19:22	0.375
		7/30/2020 9:30	0.411
		7/30/2020 18:05	0.38
		7/31/2020 8:57	0.386
		7/31/2020 18:45	----
		8/1/2020 9:04	0.398
		8/2/2020 8:57	0.379
		8/3/2020 11:22	0.387
		8/4/2020 8:23	0.393
		8/5/2020 9:16	0.388

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 9:50	0.5
		7/17/2020 16:03	0.5
		7/18/2020 19:02	0.5
		7/19/2020 10:19	0.5
		7/19/2020 18:26	0.5
		7/20/2020 7:48	0.5
		7/20/2020 13:45	0.5
		7/20/2020 18:49	0.5
		7/21/2020 8:25	0.5
		7/21/2020 13:17	0.5
		7/21/2020 18:14	0.5
		7/22/2020 8:35	0.5
		7/22/2020 13:30	0.5
		7/22/2020 18:29	0.5
		7/23/2020 8:38	0.5
		7/23/2020 20:02	0.5
		7/24/2020 9:20	0.5
		7/24/2020 19:33	0.5
		7/25/2020 8:32	0.5
		7/25/2020 19:26	0.5
		7/26/2020 9:40	0.5
		7/26/2020 19:41	0.5
		7/27/2020 9:51	0.5
		7/27/2020 20:47	0.5
		7/28/2020 9:19	0.5
		7/28/2020 19:15	0.5
		7/29/2020 8:55	0.5
		7/29/2020 19:22	0.5
		7/30/2020 9:30	0.5
		7/30/2020 18:05	0.5
		7/31/2020 8:57	0.5
		7/31/2020 18:45	0.5
		8/1/2020 9:04	0.5
		8/2/2020 8:57	0.5
		8/3/2020 11:22	0.5
		8/4/2020 8:23	0.5
		8/5/2020 9:16	0.5

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 9:50	133.4
		7/17/2020 16:03	106.2
		7/18/2020 19:02	-33.3
		7/19/2020 10:19	35.2
		7/19/2020 18:26	53.8
		7/20/2020 7:48	127.6
		7/20/2020 13:45	104.7
		7/20/2020 18:49	53.7
		7/21/2020 8:25	149.5
		7/21/2020 13:17	239
		7/21/2020 18:14	182.5
		7/22/2020 8:35	191.1
		7/22/2020 13:30	211
		7/22/2020 18:29	181.6
		7/23/2020 8:38	108.5
		7/23/2020 20:02	96.1
		7/24/2020 9:20	102.1
		7/24/2020 19:33	156.1
		7/25/2020 8:32	63.2
		7/25/2020 19:26	72
		7/26/2020 9:40	107.8
		7/26/2020 19:41	56.4
		7/27/2020 9:51	34.7
		7/27/2020 20:47	31
		7/28/2020 9:19	20.4
		7/28/2020 19:15	19.6
		7/29/2020 8:55	30.8
		7/29/2020 19:22	8.2
		7/30/2020 9:30	-19.4
		7/30/2020 18:05	-13.6
		7/31/2020 8:57	-5.1
		7/31/2020 18:45	1.4
		8/1/2020 9:04	-4.3
		8/2/2020 8:57	-1.4
		8/3/2020 11:22	-15.6
		8/4/2020 8:23	4.9
		8/5/2020 9:16	12.1

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 9:50	0.10
		7/17/2020 16:03	0.10
		7/18/2020 19:02	490
		7/19/2020 10:19	480
		7/19/2020 18:26	420
		7/20/2020 7:48	254
		7/20/2020 13:45	199
		7/20/2020 18:49	157
		7/21/2020 8:25	79
		7/21/2020 13:17	59
		7/21/2020 18:14	47
		7/22/2020 8:35	26
		7/22/2020 13:30	18
		7/22/2020 18:29	15
		7/23/2020 8:38	6.6
		7/23/2020 20:02	2.4
		7/24/2020 9:20	3.3
		7/24/2020 19:33	2.3
		7/25/2020 8:32	2.0
		7/25/2020 19:26	1.4
		7/26/2020 9:40	1.3
		7/26/2020 19:41	1.0
		7/27/2020 9:51	0.68
		7/27/2020 20:47	0.86
		7/28/2020 9:19	0.65
		7/28/2020 19:15	0.35
		7/29/2020 8:55	0.85
		7/29/2020 19:22	0.48
		7/30/2020 9:30	0.32
		7/30/2020 18:05	0.32
		7/31/2020 8:57	0.27
		7/31/2020 18:45	0.18
		8/1/2020 9:04	0.51
		8/2/2020 8:57	0.48
		8/3/2020 11:22	1.6
		8/4/2020 8:23	0.20
		8/5/2020 9:16	0.20

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 9:50	7.06
		7/17/2020 16:03	7.14
		7/18/2020 19:02	8.31
		7/19/2020 10:19	8.10
		7/19/2020 18:26	7.91
		7/20/2020 7:48	7.68
		7/20/2020 13:45	7.65
		7/20/2020 18:49	7.62
		7/21/2020 8:25	7.56
		7/21/2020 13:17	7.44
		7/21/2020 18:14	7.51
		7/22/2020 8:35	7.46
		7/22/2020 13:30	7.40
		7/22/2020 18:29	7.44
		7/23/2020 8:38	7.29
		7/23/2020 20:02	7.10
		7/24/2020 9:20	7.22
		7/24/2020 19:33	7.12
		7/25/2020 8:32	7.22
		7/25/2020 19:26	7.15
		7/26/2020 9:40	7.18
		7/26/2020 19:41	7.12
		7/27/2020 9:51	7.15
		7/27/2020 20:47	7.12
		7/28/2020 9:19	7.17
		7/28/2020 19:15	7.13
		7/29/2020 8:55	7.00
		7/29/2020 19:22	7.21
		7/30/2020 9:30	7.09
		7/30/2020 18:05	7.17
		7/31/2020 8:57	7.20
		7/31/2020 18:45	7.03
		8/1/2020 9:04	7.23
		8/2/2020 8:57	7.24
		8/3/2020 11:22	7.28
		8/4/2020 8:23	7.14
		8/5/2020 9:16	7.16

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 9:50	18
		7/17/2020 16:03	16
		7/18/2020 19:02	96
		7/19/2020 10:19	68
		7/19/2020 18:26	78
		7/20/2020 7:48	103
		7/20/2020 13:45	115
		7/20/2020 18:49	110
		7/21/2020 8:25	110
		7/21/2020 13:17	109
		7/21/2020 18:14	104
		7/22/2020 8:35	93
		7/22/2020 13:30	93
		7/22/2020 18:29	86
		7/23/2020 8:38	82
		7/23/2020 20:02	64
		7/24/2020 9:20	63
		7/24/2020 19:33	58
		7/25/2020 8:32	56
		7/25/2020 19:26	50
		7/26/2020 9:40	43
		7/26/2020 19:41	40
		7/27/2020 9:51	42
		7/27/2020 20:47	42
		7/28/2020 9:19	55
		7/28/2020 19:15	38
		7/29/2020 8:55	35
		7/29/2020 19:22	33
		7/30/2020 9:30	36
		7/30/2020 18:05	28
		7/31/2020 8:57	28
		7/31/2020 18:45	---
		8/1/2020 9:04	28
		8/2/2020 8:57	29
		8/3/2020 11:22	34
		8/4/2020 8:23	25
		8/5/2020 9:16	25

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 9:50	<DL
		7/17/2020 16:03	<DL
		7/18/2020 19:02	<DL
		7/19/2020 10:19	<DL
		7/19/2020 18:26	<DL
		7/20/2020 7:48	<DL
		7/20/2020 13:45	<DL
		7/20/2020 18:49	<DL
		7/21/2020 8:25	<DL
		7/21/2020 13:17	<DL
		7/21/2020 18:14	<DL
		7/22/2020 8:35	<DL
		7/22/2020 13:30	<DL
		7/22/2020 18:29	<DL
		7/23/2020 8:38	<DL
		7/23/2020 20:02	<DL
		7/24/2020 9:20	<DL
		7/24/2020 19:33	<DL
		7/25/2020 8:32	<DL
		7/25/2020 19:26	<DL
		7/26/2020 9:40	<DL
		7/26/2020 19:41	<DL
		7/27/2020 9:51	<DL
		7/27/2020 20:47	<DL
		7/28/2020 9:19	<DL
		7/28/2020 19:15	<DL
		7/29/2020 8:55	<DL
		7/29/2020 19:22	<DL
		7/30/2020 9:30	<DL
		7/30/2020 18:05	<DL
		7/31/2020 8:57	<DL
		7/31/2020 18:45	---
		8/1/2020 9:04	<DL
		8/2/2020 8:57	<DL
		8/3/2020 11:22	<DL
		8/4/2020 8:23	<DL
		8/5/2020 9:16	<DL

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 9:50	2149
		7/17/2020 16:03	2019
		7/18/2020 19:02	158
		7/19/2020 10:19	262
		7/19/2020 18:26	431
		7/20/2020 7:48	946
		7/20/2020 13:45	1225
		7/20/2020 18:49	1287
		7/21/2020 8:25	1651
		7/21/2020 13:17	1742
		7/21/2020 18:14	1790
		7/22/2020 8:35	1885
		7/22/2020 13:30	1993
		7/22/2020 18:29	2042
		7/23/2020 8:38	2094
		7/23/2020 20:02	1993
		7/24/2020 9:20	2032
		7/24/2020 19:33	2072
		7/25/2020 8:32	2208
		7/25/2020 19:26	2150
		7/26/2020 9:40	2028
		7/26/2020 19:41	1985
		7/27/2020 9:51	2140
		7/27/2020 20:47	2045
		7/28/2020 9:19	2028
		7/28/2020 19:15	2160
		7/29/2020 8:55	1998
		7/29/2020 19:22	2029
		7/30/2020 9:30	2183
		7/30/2020 18:05	2024
		7/31/2020 8:57	2058
		7/31/2020 18:45	----
		8/1/2020 9:04	2127
		8/2/2020 8:57	2054
		8/3/2020 11:22	2054
		8/4/2020 8:23	2083
		8/5/2020 9:16	2074

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Specific Conductance	µS/cm	7/17/2020 9:50	10020
		7/17/2020 16:03	9690
		7/18/2020 19:02	1430
		7/19/2020 10:19	1700
		7/19/2020 18:26	2950
		7/20/2020 7:48	5210
		7/20/2020 13:45	6500
		7/20/2020 18:49	7140
		7/21/2020 8:25	8550
		7/21/2020 13:17	8930
		7/21/2020 18:14	9100
		7/22/2020 8:35	9400
		7/22/2020 13:30	9500
		7/22/2020 18:29	9560
		7/23/2020 8:38	9980
		7/23/2020 20:02	10030
		7/24/2020 9:20	10060
		7/24/2020 19:33	10180
		7/25/2020 8:32	10100
		7/25/2020 19:26	10200
		7/26/2020 9:40	10210
		7/26/2020 19:41	10200
		7/27/2020 9:51	10230
		7/27/2020 20:47	10190
		7/28/2020 9:19	10260
		7/28/2020 19:15	10160
		7/29/2020 8:55	10210
		7/29/2020 19:22	10250
		7/30/2020 9:30	10280
		7/30/2020 18:05	10320
		7/31/2020 8:57	10320
		7/31/2020 18:45	10310
		8/1/2020 9:04	10340
		8/2/2020 8:57	10280
		8/3/2020 11:22	10380
		8/4/2020 8:23	10410
		8/5/2020 9:16	10300

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 9:50	3.8
		7/17/2020 16:03	3.6
		7/18/2020 19:02	0.8
		7/19/2020 10:19	0.8
		7/19/2020 18:26	1.7
		7/20/2020 7:48	3.4
		7/20/2020 13:45	4.2
		7/20/2020 18:49	3.9
		7/21/2020 8:25	4.3
		7/21/2020 13:17	4.3
		7/21/2020 18:14	4.3
		7/22/2020 8:35	4.3
		7/22/2020 13:30	4.3
		7/22/2020 18:29	4.4
		7/23/2020 8:38	4.3
		7/23/2020 20:02	3.9
		7/24/2020 9:20	4.1
		7/24/2020 19:33	4.1
		7/25/2020 8:32	4.2
		7/25/2020 19:26	4.1
		7/26/2020 9:40	3.9
		7/26/2020 19:41	3.8
		7/27/2020 9:51	4.1
		7/27/2020 20:47	3.9
		7/28/2020 9:19	3.8
		7/28/2020 19:15	4.0
		7/29/2020 8:55	3.8
		7/29/2020 19:22	3.8
		7/30/2020 9:30	4.0
		7/30/2020 18:05	3.7
		7/31/2020 8:57	3.8
		7/31/2020 18:45	---
		8/1/2020 9:04	3.9
		8/2/2020 8:57	3.8
		8/3/2020 11:22	3.8
		8/4/2020 8:23	3.8
		8/5/2020 9:16	3.8

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 9:50	5286
		7/17/2020 16:03	5282
		7/18/2020 19:02	206
		7/19/2020 10:19	394
		7/19/2020 18:26	1182
		7/20/2020 7:48	2460
		7/20/2020 13:45	3542
		7/20/2020 18:49	4050
		7/21/2020 8:25	4410
		7/21/2020 13:17	4613
		7/21/2020 18:14	4762
		7/22/2020 8:35	4997
		7/22/2020 13:30	5086
		7/22/2020 18:29	5119
		7/23/2020 8:38	5263
		7/23/2020 20:02	5282
		7/24/2020 9:20	5248
		7/24/2020 19:33	5279
		7/25/2020 8:32	5308
		7/25/2020 19:26	5310
		7/26/2020 9:40	5364
		7/26/2020 19:41	5343
		7/27/2020 9:51	5369
		7/27/2020 20:47	5342
		7/28/2020 9:19	5369
		7/28/2020 19:15	5342
		7/29/2020 8:55	5199
		7/29/2020 19:22	5385
		7/30/2020 9:30	5335
		7/30/2020 18:05	5394
		7/31/2020 8:57	5382
		7/31/2020 18:45	5412
		8/1/2020 9:04	5405
		8/2/2020 8:57	5428
		8/3/2020 11:22	5444
		8/4/2020 8:23	5470
		8/5/2020 9:16	5483

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 9:50	0.993
		7/17/2020 16:03	0.927
		7/18/2020 19:02	0.022
		7/19/2020 10:19	0.124
		7/19/2020 18:26	0.222
		7/20/2020 7:48	0.491
		7/20/2020 13:45	0.616
		7/20/2020 18:49	0.643
		7/21/2020 8:25	0.799
		7/21/2020 13:17	0.838
		7/21/2020 18:14	0.85
		7/22/2020 8:35	0.909
		7/22/2020 13:30	0.946
		7/22/2020 18:29	0.972
		7/23/2020 8:38	0.985
		7/23/2020 20:02	0.932
		7/24/2020 9:20	0.963
		7/24/2020 19:33	0.975
		7/25/2020 8:32	1.03
		7/25/2020 19:26	1.002
		7/26/2020 9:40	0.97
		7/26/2020 19:41	0.953
		7/27/2020 9:51	1.026
		7/27/2020 20:47	0.968
		7/28/2020 9:19	0.963
		7/28/2020 19:15	1.029
		7/29/2020 8:55	0.955
		7/29/2020 19:22	0.964
		7/30/2020 9:30	1.026
		7/30/2020 18:05	0.959
		7/31/2020 8:57	0.969
		7/31/2020 18:45	----
		8/1/2020 9:04	1.016
		8/2/2020 8:57	0.97
		8/3/2020 11:22	0.981
		8/4/2020 8:23	0.984
		8/5/2020 9:16	1.0

Groundwater Quality Data By Parameter, Well 1001

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 9:50	0.003
		7/17/2020 16:03	0.003
		7/18/2020 19:02	0.001
		7/19/2020 10:19	0.003
		7/19/2020 18:26	0.003
		7/20/2020 7:48	0.001
		7/20/2020 13:45	0.002
		7/20/2020 18:49	0.001
		7/21/2020 8:25	0.002
		7/21/2020 13:17	0.001
		7/21/2020 18:14	0.001
		7/22/2020 8:35	0.001
		7/22/2020 13:30	0.001
		7/22/2020 18:29	0.001
		7/23/2020 8:38	0.002
		7/23/2020 20:02	0.001
		7/24/2020 9:20	0.001
		7/24/2020 19:33	0.001
		7/25/2020 8:32	0.001
		7/25/2020 19:26	0
		7/26/2020 9:40	0
		7/26/2020 19:41	0.001
		7/27/2020 9:51	0.001
		7/27/2020 20:47	0.001
		7/28/2020 9:19	0.001
		7/28/2020 19:15	0.001
		7/29/2020 8:55	0.003
		7/29/2020 19:22	0.002
		7/30/2020 9:30	0.002
		7/30/2020 18:05	0.003
		7/31/2020 8:57	0.003
		7/31/2020 18:45	----
		8/1/2020 9:04	0.001
		8/2/2020 8:57	0.003
		8/3/2020 11:22	0.002
		8/4/2020 8:23	0.003
		8/5/2020 9:16	0.004

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 10:05	546
		7/17/2020 16:17	560
		7/18/2020 19:16	480
		7/19/2020 10:29	460
		7/19/2020 18:32	484
		7/20/2020 7:58	530
		7/20/2020 13:53	530
		7/20/2020 18:57	550
		7/21/2020 8:33	534
		7/21/2020 13:23	528
		7/21/2020 18:19	536
		7/22/2020 8:45	544
		7/22/2020 13:38	542
		7/22/2020 18:37	548
		7/23/2020 8:56	520
		7/23/2020 20:08	528
		7/24/2020 9:30	558
		7/24/2020 19:40	562
		7/25/2020 8:41	540
		7/25/2020 19:29	544
		7/26/2020 9:57	542
		7/26/2020 19:51	554
		7/27/2020 10:06	544
		7/27/2020 20:50	----
		7/28/2020 9:28	536
		7/29/2020 11:00	540
		7/30/2020 9:46	532
		7/31/2020 9:30	538
		8/3/2020 11:45	524
		8/5/2020 9:26	544

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 10:05	382
		7/17/2020 16:17	385
		7/18/2020 19:16	278
		7/19/2020 10:29	271
		7/19/2020 18:32	322
		7/20/2020 7:58	367
		7/20/2020 13:53	360
		7/20/2020 18:57	376
		7/21/2020 8:33	404
		7/21/2020 13:23	405
		7/21/2020 18:19	404
		7/22/2020 8:45	428
		7/22/2020 13:38	406
		7/22/2020 18:37	417
		7/23/2020 8:56	409
		7/23/2020 20:08	409
		7/24/2020 9:30	416
		7/24/2020 19:40	408
		7/25/2020 8:41	411
		7/25/2020 19:29	410
		7/26/2020 9:57	414
		7/26/2020 19:51	404
		7/27/2020 10:06	409
		7/27/2020 20:50	---
		7/28/2020 9:28	410
		7/29/2020 11:00	406
		7/30/2020 9:46	392
		7/31/2020 9:30	403
		8/3/2020 11:45	399
		8/5/2020 9:26	413

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 10:05	439
		7/17/2020 16:17	442
		7/18/2020 19:16	348
		7/19/2020 10:29	344
		7/19/2020 18:32	362
		7/20/2020 7:58	402
		7/20/2020 13:53	410
		7/20/2020 18:57	418
		7/21/2020 8:33	426
		7/21/2020 13:23	431
		7/21/2020 18:19	436
		7/22/2020 8:45	441
		7/22/2020 13:38	444
		7/22/2020 18:37	444
		7/23/2020 8:56	446
		7/23/2020 20:08	419
		7/24/2020 9:30	424
		7/24/2020 19:40	423
		7/25/2020 8:41	424
		7/25/2020 19:29	423
		7/26/2020 9:57	425
		7/26/2020 19:51	425
		7/27/2020 10:06	404
		7/27/2020 20:50	---
		7/28/2020 9:28	421
		7/29/2020 11:00	429
		7/30/2020 9:46	413
		7/31/2020 9:30	427
		8/3/2020 11:45	478
		8/5/2020 9:26	471

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 10:05	2.8
		7/17/2020 16:17	1.1
		7/18/2020 19:16	1.2
		7/19/2020 10:29	2.0
		7/19/2020 18:32	---
		7/20/2020 7:58	0.9
		7/20/2020 13:53	---
		7/20/2020 18:57	---
		7/21/2020 8:33	1.1
		7/21/2020 13:23	---
		7/21/2020 18:19	---
		7/22/2020 8:45	1.6
		7/22/2020 13:38	---
		7/22/2020 18:37	---
		7/23/2020 8:56	1.3
		7/23/2020 20:08	---
		7/24/2020 9:30	0.8
		7/24/2020 19:40	---
		7/25/2020 8:41	1.0
		7/25/2020 19:29	---
		7/26/2020 9:57	0.8
		7/26/2020 19:51	---
		7/27/2020 10:06	0.6
		7/27/2020 20:50	---
		7/28/2020 9:28	1.2
		7/29/2020 11:00	1.6
		7/30/2020 9:46	1.0
		7/31/2020 9:30	1.7
		8/3/2020 11:45	2.6
		8/5/2020 9:26	1.0

Groundwater Quality Data By Parameter, Well 1002

Parameter	**Units**	**Sample Date**	**Result**
Dissolved Organic Carbon	mg/L	7/17/2020 10:05	25
		7/17/2020 16:17	--
		7/18/2020 19:16	65
		7/19/2020 10:29	--
		7/19/2020 18:32	57
		7/20/2020 7:58	--
		7/20/2020 13:53	33
		7/20/2020 18:57	--
		7/21/2020 8:33	31
		7/21/2020 13:23	--
		7/21/2020 18:19	29
		7/22/2020 8:45	--
		7/22/2020 13:38	27
		7/22/2020 18:37	--
		7/23/2020 8:56	26
		7/23/2020 20:08	--
		7/24/2020 9:30	27
		7/24/2020 19:40	--
		7/25/2020 8:41	25
		7/25/2020 19:29	--
		7/26/2020 9:57	--
		7/26/2020 19:51	--
		7/27/2020 10:06	--
		7/27/2020 20:50	--
		7/28/2020 9:28	--
		7/29/2020 11:00	--
		7/30/2020 9:46	--
		7/31/2020 9:30	--
		8/3/2020 11:45	--
		8/5/2020 9:26	26

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 10:05	0.50
		7/17/2020 16:17	0.50
		7/18/2020 19:16	128
		7/19/2020 10:29	126
		7/19/2020 18:32	105
		7/20/2020 7:58	38
		7/20/2020 13:53	28
		7/20/2020 18:57	28
		7/21/2020 8:33	17
		7/21/2020 13:23	12
		7/21/2020 18:19	10
		7/22/2020 8:45	5.5
		7/22/2020 13:38	5.5
		7/22/2020 18:37	3.42
		7/23/2020 8:56	1.09
		7/23/2020 20:08	0.90
		7/24/2020 9:30	0.90
		7/24/2020 19:40	0.50
		7/25/2020 8:41	0.50
		7/25/2020 19:29	0.50
		7/26/2020 9:57	0.50
		7/26/2020 19:51	0.50
		7/27/2020 10:06	0.50
		7/27/2020 20:50	----
		7/28/2020 9:28	0.50
		7/29/2020 11:00	0.50
		7/30/2020 9:46	0.50
		7/31/2020 9:30	0.50
		8/3/2020 11:45	0.50
		8/5/2020 9:26	0.50

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 10:05	0.49
		7/17/2020 16:17	0.87
		7/18/2020 19:16	0.08
		7/19/2020 10:29	0.077
		7/19/2020 18:32	0.081
		7/20/2020 7:58	0.07
		7/20/2020 13:53	0.09
		7/20/2020 18:57	0.070
		7/21/2020 8:33	0.042
		7/21/2020 13:23	0.054
		7/21/2020 18:19	0.06
		7/22/2020 8:45	0.029
		7/22/2020 13:38	0.041
		7/22/2020 18:37	0.431
		7/23/2020 8:56	-0.001
		7/23/2020 20:08	0.016
		7/24/2020 9:30	0.697
		7/24/2020 19:40	-0.021
		7/25/2020 8:41	0.613
		7/25/2020 19:29	0.019
		7/26/2020 9:57	0.009
		7/26/2020 19:51	-0.073
		7/27/2020 10:06	0.632
		7/27/2020 20:50	-0.147
		7/28/2020 9:28	-0.061
		7/29/2020 11:00	1.205
		7/30/2020 9:46	0.02
		7/31/2020 9:30	0.264
		8/3/2020 11:45	-0.061
		8/5/2020 9:26	7.745

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 10:05	325
		7/17/2020 16:17	310
		7/18/2020 19:16	218
		7/19/2020 10:29	208
		7/19/2020 18:32	244
		7/20/2020 7:58	274
		7/20/2020 13:53	290
		7/20/2020 18:57	288
		7/21/2020 8:33	306
		7/21/2020 13:23	305
		7/21/2020 18:19	311
		7/22/2020 8:45	303
		7/22/2020 13:38	315
		7/22/2020 18:37	317
		7/23/2020 8:56	313
		7/23/2020 20:08	314
		7/24/2020 9:30	312
		7/24/2020 19:40	322
		7/25/2020 8:41	314
		7/25/2020 19:29	319
		7/26/2020 9:57	317
		7/26/2020 19:51	312
		7/27/2020 10:06	311
		7/27/2020 20:50	0
		7/28/2020 9:28	314
		7/29/2020 11:00	308
		7/30/2020 9:46	315
		7/31/2020 9:30	328
		8/3/2020 11:45	312
		8/5/2020 9:26	319

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 10:05	0.52
		7/17/2020 16:17	0.47
		7/18/2020 19:16	0.27
		7/19/2020 10:29	0.25
		7/19/2020 18:32	0.24
		7/20/2020 7:58	0.13
		7/20/2020 13:53	0.12
		7/20/2020 18:57	0.11
		7/21/2020 8:33	0.20
		7/21/2020 13:23	0.25
		7/21/2020 18:19	0.26
		7/22/2020 8:45	0.31
		7/22/2020 13:38	0.32
		7/22/2020 18:37	0.34
		7/23/2020 8:56	0.33
		7/23/2020 20:08	0.32
		7/24/2020 9:30	0.34
		7/24/2020 19:40	0.36
		7/25/2020 8:41	0.32
		7/25/2020 19:29	0.34
		7/26/2020 9:57	0.333
		7/26/2020 19:51	0.313
		7/27/2020 10:06	0.353
		7/27/2020 20:50	----
		7/28/2020 9:28	0.34
		7/29/2020 11:00	0.33
		7/30/2020 9:46	0.341
		7/31/2020 9:30	0.356
		8/3/2020 11:45	0.343
		8/5/2020 9:26	0.39

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 10:05	0.36
		7/17/2020 16:17	0.34
		7/18/2020 19:16	0.33
		7/19/2020 10:29	0.27
		7/19/2020 18:32	0.29
		7/20/2020 7:58	0.32
		7/20/2020 13:53	0.33
		7/20/2020 18:57	0.32
		7/21/2020 8:33	0.33
		7/21/2020 13:23	0.32
		7/21/2020 18:19	0.34
		7/22/2020 8:45	0.323
		7/22/2020 13:38	0.338
		7/22/2020 18:37	0.345
		7/23/2020 8:56	0.342
		7/23/2020 20:08	0.337
		7/24/2020 9:30	0.336
		7/24/2020 19:40	0.35
		7/25/2020 8:41	0.345
		7/25/2020 19:29	0.349
		7/26/2020 9:57	0.352
		7/26/2020 19:51	0.339
		7/27/2020 10:06	0.339
		7/27/2020 20:50	----
		7/28/2020 9:28	0.342
		7/29/2020 11:00	0.343
		7/30/2020 9:46	0.352
		7/31/2020 9:30	0.366
		8/3/2020 11:45	0.352
		8/5/2020 9:26	0.364

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 10:05	0.5
		7/17/2020 16:17	0.5
		7/18/2020 19:16	0.5
		7/19/2020 10:29	0.5
		7/19/2020 18:32	0.5
		7/20/2020 7:58	0.5
		7/20/2020 13:53	0.5
		7/20/2020 18:57	0.5
		7/21/2020 8:33	0.5
		7/21/2020 13:23	0.5
		7/21/2020 18:19	0.5
		7/22/2020 8:45	0.5
		7/22/2020 13:38	0.5
		7/22/2020 18:37	0.5
		7/23/2020 8:56	0.5
		7/23/2020 20:08	0.5
		7/24/2020 9:30	0.5
		7/24/2020 19:40	0.5
		7/25/2020 8:41	0.5
		7/25/2020 19:29	0.5
		7/26/2020 9:57	0.5
		7/26/2020 19:51	0.5
		7/27/2020 10:06	0.5
		7/27/2020 20:50	0.5
		7/28/2020 9:28	0.5
		7/29/2020 11:00	0.5
		7/30/2020 9:46	0.5
		7/31/2020 9:30	0.5
		8/3/2020 11:45	0.5
		8/5/2020 9:26	0.5

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 10:05	-154.1
		7/17/2020 16:17	-137.8
		7/18/2020 19:16	-63.1
		7/19/2020 10:29	40.7
		7/19/2020 18:32	5.1
		7/20/2020 7:58	43.2
		7/20/2020 13:53	23
		7/20/2020 18:57	32
		7/21/2020 8:33	55.6
		7/21/2020 13:23	70
		7/21/2020 18:19	56.7
		7/22/2020 8:45	65.8
		7/22/2020 13:38	81.5
		7/22/2020 18:37	68.4
		7/23/2020 8:56	159.1
		7/23/2020 20:08	95.8
		7/24/2020 9:30	94
		7/24/2020 19:40	106.1
		7/25/2020 8:41	104.3
		7/25/2020 19:29	79.6
		7/26/2020 9:57	136.2
		7/26/2020 19:51	102.3
		7/27/2020 10:06	97.9
		7/27/2020 20:50	----
		7/28/2020 9:28	106.2
		7/29/2020 11:00	76.4
		7/30/2020 9:46	83.9
		7/31/2020 9:30	130.1
		8/3/2020 11:45	70.6
		8/5/2020 9:26	81.3

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 10:05	0.10
		7/17/2020 16:17	0.10
		7/18/2020 19:16	130
		7/19/2020 10:29	120
		7/19/2020 18:32	100
		7/20/2020 7:58	33
		7/20/2020 13:53	25
		7/20/2020 18:57	26
		7/21/2020 8:33	16
		7/21/2020 13:23	12
		7/21/2020 18:19	9.5
		7/22/2020 8:45	5.2
		7/22/2020 13:38	4.9
		7/22/2020 18:37	3.5
		7/23/2020 8:56	1.9
		7/23/2020 20:08	0.95
		7/24/2020 9:30	1.0
		7/24/2020 19:40	0.50
		7/25/2020 8:41	0.44
		7/25/2020 19:29	0.34
		7/26/2020 9:57	0.36
		7/26/2020 19:51	0.28
		7/27/2020 10:06	0.27
		7/27/2020 20:50	----
		7/28/2020 9:28	0.21
		7/29/2020 11:00	0.47
		7/30/2020 9:46	0.27
		7/31/2020 9:30	0.14
		8/3/2020 11:45	0.10
		8/5/2020 9:26	0.20

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 10:05	7.05
		7/17/2020 16:17	7.17
		7/18/2020 19:16	7.24
		7/19/2020 10:29	7.23
		7/19/2020 18:32	7.16
		7/20/2020 7:58	7.15
		7/20/2020 13:53	7.10
		7/20/2020 18:57	7.13
		7/21/2020 8:33	7.20
		7/21/2020 13:23	7.14
		7/21/2020 18:19	7.14
		7/22/2020 8:45	7.11
		7/22/2020 13:38	7.03
		7/22/2020 18:37	7.04
		7/23/2020 8:56	7.21
		7/23/2020 20:08	7.07
		7/24/2020 9:30	7.18
		7/24/2020 19:40	7.15
		7/25/2020 8:41	7.19
		7/25/2020 19:29	7.15
		7/26/2020 9:57	7.18
		7/26/2020 19:51	7.16
		7/27/2020 10:06	7.15
		7/27/2020 20:50	----
		7/28/2020 9:28	7.18
		7/29/2020 11:00	7.19
		7/30/2020 9:46	7.23
		7/31/2020 9:30	7.23
		8/3/2020 11:45	7.29
		8/5/2020 9:26	7.15

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 10:05	18
		7/17/2020 16:17	17
		7/18/2020 19:16	13
		7/19/2020 10:29	14
		7/19/2020 18:32	18
		7/20/2020 7:58	16
		7/20/2020 13:53	19
		7/20/2020 18:57	17
		7/21/2020 8:33	17
		7/21/2020 13:23	19
		7/21/2020 18:19	18
		7/22/2020 8:45	17
		7/22/2020 13:38	18
		7/22/2020 18:37	18
		7/23/2020 8:56	17
		7/23/2020 20:08	17
		7/24/2020 9:30	18
		7/24/2020 19:40	18
		7/25/2020 8:41	18
		7/25/2020 19:29	21
		7/26/2020 9:57	18
		7/26/2020 19:51	18
		7/27/2020 10:06	18
		7/27/2020 20:50	---
		7/28/2020 9:28	17
		7/29/2020 11:00	17
		7/30/2020 9:46	19
		7/31/2020 9:30	19
		8/3/2020 11:45	18
		8/5/2020 9:26	20

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 10:05	<DL
		7/17/2020 16:17	<DL
		7/18/2020 19:16	<DL
		7/19/2020 10:29	<DL
		7/19/2020 18:32	<DL
		7/20/2020 7:58	<DL
		7/20/2020 13:53	<DL
		7/20/2020 18:57	<DL
		7/21/2020 8:33	<DL
		7/21/2020 13:23	<DL
		7/21/2020 18:19	<DL
		7/22/2020 8:45	<DL
		7/22/2020 13:38	<DL
		7/22/2020 18:37	<DL
		7/23/2020 8:56	<DL
		7/23/2020 20:08	<DL
		7/24/2020 9:30	<DL
		7/24/2020 19:40	<DL
		7/25/2020 8:41	<DL
		7/25/2020 19:29	<DL
		7/26/2020 9:57	<DL
		7/26/2020 19:51	<DL
		7/27/2020 10:06	<DL
		7/27/2020 20:50	<DL
		7/28/2020 9:28	<DL
		7/29/2020 11:00	<DL
		7/30/2020 9:46	<DL
		7/31/2020 9:30	<DL
		8/3/2020 11:45	<DL
		8/5/2020 9:26	<DL

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 10:05	2251
		7/17/2020 16:17	2148
		7/18/2020 19:16	1726
		7/19/2020 10:29	1651
		7/19/2020 18:32	1795
		7/20/2020 7:58	1923
		7/20/2020 13:53	2040
		7/20/2020 18:57	2007
		7/21/2020 8:33	2086
		7/21/2020 13:23	2082
		7/21/2020 18:19	2130
		7/22/2020 8:45	2082
		7/22/2020 13:38	2171
		7/22/2020 18:37	2185
		7/23/2020 8:56	2160
		7/23/2020 20:08	2182
		7/24/2020 9:30	2171
		7/24/2020 19:40	2233
		7/25/2020 8:41	2183
		7/25/2020 19:29	2216
		7/26/2020 9:57	2205
		7/26/2020 19:51	2172
		7/27/2020 10:06	2176
		7/27/2020 20:50	----
		7/28/2020 9:28	2193
		7/29/2020 11:00	2144
		7/30/2020 9:46	2209
		7/31/2020 9:30	2314
		8/3/2020 11:45	2194
		8/5/2020 9:26	2255

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 10:05	10630
		7/17/2020 16:17	10240
		7/18/2020 19:16	8240
		7/19/2020 10:29	8620
		7/19/2020 18:32	9020
		7/20/2020 7:58	9650
		7/20/2020 13:53	9780
		7/20/2020 18:57	9820
		7/21/2020 8:33	10170
		7/21/2020 13:23	10260
		7/21/2020 18:19	10360
		7/22/2020 8:45	10310
		7/22/2020 13:38	10400
		7/22/2020 18:37	10250
		7/23/2020 8:56	10580
		7/23/2020 20:08	10640
		7/24/2020 9:30	10750
		7/24/2020 19:40	10740
		7/25/2020 8:41	10690
		7/25/2020 19:29	10760
		7/26/2020 9:57	10700
		7/26/2020 19:51	10830
		7/27/2020 10:06	10750
		7/27/2020 20:50	----
		7/28/2020 9:28	10720
		7/29/2020 11:00	10750
		7/30/2020 9:46	10700
		7/31/2020 9:30	10800
		8/3/2020 11:45	10800
		8/5/2020 9:26	10670

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 10:05	3.9
		7/17/2020 16:17	3.8
		7/18/2020 19:16	2.7
		7/19/2020 10:29	2.6
		7/19/2020 18:32	3.0
		7/20/2020 7:58	3.4
		7/20/2020 13:53	3.6
		7/20/2020 18:57	3.7
		7/21/2020 8:33	3.8
		7/21/2020 13:23	3.8
		7/21/2020 18:19	3.9
		7/22/2020 8:45	3.8
		7/22/2020 13:38	3.9
		7/22/2020 18:37	3.9
		7/23/2020 8:56	3.9
		7/23/2020 20:08	3.9
		7/24/2020 9:30	4.0
		7/24/2020 19:40	4.0
		7/25/2020 8:41	3.9
		7/25/2020 19:29	3.9
		7/26/2020 9:57	3.9
		7/26/2020 19:51	3.8
		7/27/2020 10:06	3.9
		7/27/2020 20:50	----
		7/28/2020 9:28	3.9
		7/29/2020 11:00	3.8
		7/30/2020 9:46	3.9
		7/31/2020 9:30	4.0
		8/3/2020 11:45	3.8
		8/5/2020 9:26	4.0

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 10:05	5571
		7/17/2020 16:17	5461
		7/18/2020 19:16	3896
		7/19/2020 10:29	4059
		7/19/2020 18:32	4264
		7/20/2020 7:58	4918
		7/20/2020 13:53	5088
		7/20/2020 18:57	5166
		7/21/2020 8:33	5303
		7/21/2020 13:23	5361
		7/21/2020 18:19	5491
		7/22/2020 8:45	5585
		7/22/2020 13:38	5501
		7/22/2020 18:37	5501
		7/23/2020 8:56	5601
		7/23/2020 20:08	5322
		7/24/2020 9:30	5396
		7/24/2020 19:40	5360
		7/25/2020 8:41	5372
		7/25/2020 19:29	5343
		7/26/2020 9:57	5387
		7/26/2020 19:51	5400
		7/27/2020 10:06	5046
		7/27/2020 20:50	----
		7/28/2020 9:28	5316
		7/29/2020 11:00	5483
		7/30/2020 9:46	5208
		7/31/2020 9:30	5427
		8/3/2020 11:45	6050
		8/5/2020 9:26	5526

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 10:05	1.00
		7/17/2020 16:17	0.97
		7/18/2020 19:16	0.92
		7/19/2020 10:29	0.80
		7/19/2020 18:32	0.84
		7/20/2020 7:58	0.89
		7/20/2020 13:53	0.91
		7/20/2020 18:57	0.92
		7/21/2020 8:33	0.95
		7/21/2020 13:23	0.18
		7/21/2020 18:19	0.95
		7/22/2020 8:45	0.93
		7/22/2020 13:38	0.98
		7/22/2020 18:37	0.99
		7/23/2020 8:56	0.97
		7/23/2020 20:08	0.97
		7/24/2020 9:30	0.98
		7/24/2020 19:40	1.00
		7/25/2020 8:41	0.98
		7/25/2020 19:29	0.99
		7/26/2020 9:57	0.98
		7/26/2020 19:51	0.97
		7/27/2020 10:06	0.97
		7/27/2020 20:50	----
		7/28/2020 9:28	0.98
		7/29/2020 11:00	0.96
		7/30/2020 9:46	0.99
		7/31/2020 9:30	1.03
		8/3/2020 11:45	0.98
		8/5/2020 9:26	1.00

Groundwater Quality Data By Parameter, Well 1002

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 10:05	0.003
		7/17/2020 16:17	0.005
		7/18/2020 19:16	0.004
		7/19/2020 10:29	0.004
		7/19/2020 18:32	0.004
		7/20/2020 7:58	0.004
		7/20/2020 13:53	0.004
		7/20/2020 18:57	0.004
		7/21/2020 8:33	0.004
		7/21/2020 13:23	0.004
		7/21/2020 18:19	0.003
		7/22/2020 8:45	0.003
		7/22/2020 13:38	0.005
		7/22/2020 18:37	0.004
		7/23/2020 8:56	0.003
		7/23/2020 20:08	0.005
		7/24/2020 9:30	0.004
		7/24/2020 19:40	0.005
		7/25/2020 8:41	0.005
		7/25/2020 19:29	0.004
		7/26/2020 9:57	0.004
		7/26/2020 19:51	0.002
		7/27/2020 10:06	0.005
		7/27/2020 20:50	----
		7/28/2020 9:28	0.004
		7/29/2020 11:00	0.004
		7/30/2020 9:46	0.003
		7/31/2020 9:30	0.004
		8/3/2020 11:45	0.003
		8/5/2020 9:26	0.007

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 10:22	582
		7/17/2020 16:28	558
		7/20/2020 8:08	562
		7/21/2020 18:27	552
		7/23/2020 9:05	556
		7/25/2020 8:48	558
		7/27/2020 10:22	554
		7/29/2020 11:30	516
		7/31/2020 14:07	546
		8/3/2020 11:03	532
		8/5/2020 9:34	550

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 10:22	384
		7/17/2020 16:28	378
		7/20/2020 8:08	380
		7/21/2020 18:27	387
		7/23/2020 9:05	384
		7/25/2020 8:48	---
		7/27/2020 10:22	365
		7/29/2020 11:30	364
		7/31/2020 14:07	365
		8/3/2020 11:03	363
		8/5/2020 9:34	348

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 10:22	474
		7/17/2020 16:28	480
		7/20/2020 8:08	476
		7/21/2020 18:27	479
		7/23/2020 9:05	481
		7/25/2020 8:48	483
		7/27/2020 10:22	478
		7/29/2020 11:30	475
		7/31/2020 14:07	467
		8/3/2020 11:03	463
		8/5/2020 9:34	460

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 10:22	1.5
		7/17/2020 16:28	0.9
		7/20/2020 8:08	1.6
		7/21/2020 18:27	1.0
		7/23/2020 9:05	1.0
		7/25/2020 8:48	2.0
		7/27/2020 10:22	1.1
		7/29/2020 11:30	1.1
		7/31/2020 14:07	1.8
		8/3/2020 11:03	1.1
		8/5/2020 9:34	0.7

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 10:22	102.8
		7/17/2020 16:28	79.9
		7/20/2020 8:08	-134.8
		7/21/2020 18:27	-132.4
		7/23/2020 9:05	85.9
		7/25/2020 8:48	-133.8
		7/27/2020 10:22	-132.9
		7/29/2020 11:30	77.6
		7/31/2020 14:07	-130.9
		8/3/2020 11:03	-127.6
		8/5/2020 9:34	67.4

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 10:22	0.5
		7/17/2020 16:28	0.5
		7/20/2020 8:08	0.5
		7/21/2020 18:27	0.5
		7/23/2020 9:05	0.5
		7/25/2020 8:48	0.5
		7/27/2020 10:22	0.5
		7/29/2020 11:30	0.5
		7/31/2020 14:07	0.5
		8/3/2020 11:03	0.5
		8/5/2020 9:34	0.5

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 10:22	0.833
		7/17/2020 16:28	0.799
		7/20/2020 8:08	0.532
		7/21/2020 18:27	0.476
		7/23/2020 9:05	0.42
		7/25/2020 8:48	0.338
		7/27/2020 10:22	0.267
		7/29/2020 11:30	0.265
		7/31/2020 14:07	0.201
		8/3/2020 11:03	0.086
		8/5/2020 9:34	0.17

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 10:22	333
		7/17/2020 16:28	375
		7/20/2020 8:08	360
		7/21/2020 18:27	347
		7/23/2020 9:05	348
		7/25/2020 8:48	348
		7/27/2020 10:22	339
		7/29/2020 11:30	337
		7/31/2020 14:07	326
		8/3/2020 11:03	322
		8/5/2020 9:34	339

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 10:22	0.289
		7/17/2020 16:28	0.29
		7/20/2020 8:08	0.284
		7/21/2020 18:27	0.278
		7/23/2020 9:05	0.252
		7/25/2020 8:48	0.245
		7/27/2020 10:22	0.248
		7/29/2020 11:30	0.208
		7/31/2020 14:07	0.187
		8/3/2020 11:03	0.186
		8/5/2020 9:34	0.23

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 10:22	0.37
		7/17/2020 16:28	0.406
		7/20/2020 8:08	0.394
		7/21/2020 18:27	0.383
		7/23/2020 9:05	0.384
		7/25/2020 8:48	0.396
		7/27/2020 10:22	0.4
		7/29/2020 11:30	0.393
		7/31/2020 14:07	0.404
		8/3/2020 11:03	0.404
		8/5/2020 9:34	0.44

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 10:22	0.5
		7/17/2020 16:28	0.5
		7/20/2020 8:08	0.5
		7/21/2020 18:27	0.5
		7/23/2020 9:05	0.5
		7/25/2020 8:48	0.5
		7/27/2020 10:22	0.5
		7/29/2020 11:30	0.5
		7/31/2020 14:07	0.5
		8/3/2020 11:03	0.5
		8/5/2020 9:34	0.5

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 10:22	-377
		7/17/2020 16:28	-224
		7/20/2020 8:08	-126.2
		7/21/2020 18:27	-84.7
		7/23/2020 9:05	-46.8
		7/25/2020 8:48	47.9
		7/27/2020 10:22	43.4
		7/29/2020 11:30	38.9
		7/31/2020 14:07	28.1
		8/3/2020 11:03	44
		8/5/2020 9:34	52.2

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 10:22	0.10
		7/17/2020 16:28	0.10
		7/20/2020 8:08	0.10
		7/21/2020 18:27	0.10
		7/23/2020 9:05	0.10
		7/25/2020 8:48	0.10
		7/27/2020 10:22	0.10
		7/29/2020 11:30	0.14
		7/31/2020 14:07	0.11
		8/3/2020 11:03	0.10
		8/5/2020 9:34	0.20

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 10:22	7.06
		7/17/2020 16:28	7.16
		7/20/2020 8:08	7.13
		7/21/2020 18:27	7.14
		7/23/2020 9:05	7.15
		7/25/2020 8:48	7.21
		7/27/2020 10:22	7.15
		7/29/2020 11:30	7.12
		7/31/2020 14:07	7.23
		8/3/2020 11:03	7.26
		8/5/2020 9:34	7.13

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 10:22	18
		7/17/2020 16:28	22
		7/20/2020 8:08	19
		7/21/2020 18:27	19
		7/23/2020 9:05	20
		7/25/2020 8:48	18
		7/27/2020 10:22	19
		7/29/2020 11:30	19
		7/31/2020 14:07	18
		8/3/2020 11:03	20
		8/5/2020 9:34	19

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 10:22	<DL
		7/17/2020 16:28	<DL
		7/20/2020 8:08	<DL
		7/21/2020 18:27	<DL
		7/23/2020 9:05	<DL
		7/25/2020 8:48	<DL
		7/27/2020 10:22	<DL
		7/29/2020 11:30	<DL
		7/31/2020 14:07	<DL
		8/3/2020 11:03	<DL
		8/5/2020 9:34	<DL

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 10:22	2276
		7/17/2020 16:28	2563
		7/20/2020 8:08	2449
		7/21/2020 18:27	2365
		7/23/2020 9:05	2377
		7/25/2020 8:48	2393
		7/27/2020 10:22	2357
		7/29/2020 11:30	2351
		7/31/2020 14:07	2279
		8/3/2020 11:03	2259
		8/5/2020 9:34	2408

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 10:22	10800
		7/17/2020 16:28	10550
		7/20/2020 8:08	10730
		7/21/2020 18:27	10880
		7/23/2020 9:05	11020
		7/25/2020 8:48	10980
		7/27/2020 10:22	10980
		7/29/2020 11:30	10910
		7/31/2020 14:07	10900
		8/3/2020 11:03	10630
		8/5/2020 9:34	10600

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 10:22	4.0
		7/17/2020 16:28	4.4
		7/20/2020 8:08	4.2
		7/21/2020 18:27	4.0
		7/23/2020 9:05	4.1
		7/25/2020 8:48	4.1
		7/27/2020 10:22	4.0
		7/29/2020 11:30	3.9
		7/31/2020 14:07	3.9
		8/3/2020 11:03	3.8
		8/5/2020 9:34	4.0

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 10:22	5958
		7/17/2020 16:28	5701
		7/20/2020 8:08	5762
		7/21/2020 18:27	5783
		7/23/2020 9:05	5779
		7/25/2020 8:48	5712
		7/27/2020 10:22	5689
		7/29/2020 11:30	5612
		7/31/2020 14:07	5567
		8/3/2020 11:03	5543
		8/5/2020 9:34	5447

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 10:22	1.006
		7/17/2020 16:28	1.138
		7/20/2020 8:08	1.114
		7/21/2020 18:27	1.073
		7/23/2020 9:05	1.083
		7/25/2020 8:48	1.104
		7/27/2020 10:22	1.081
		7/29/2020 11:30	1.056
		7/31/2020 14:07	1.038
		8/3/2020 11:03	1.017
		8/5/2020 9:34	1.08

Groundwater Quality Data By Parameter, Well 1003

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 10:22	0.006
		7/17/2020 16:28	0.008
		7/20/2020 8:08	0.009
		7/21/2020 18:27	0.007
		7/23/2020 9:05	0.008
		7/25/2020 8:48	0.009
		7/27/2020 10:22	0.006
		7/29/2020 11:30	0.006
		7/31/2020 14:07	0.007
		8/3/2020 11:03	0.006
		8/5/2020 9:34	0.007

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 10:33	550
		7/17/2020 16:39	564
		7/18/2020 19:27	560
		7/19/2020 10:39	482
		7/19/2020 18:39	468
		7/20/2020 8:19	478
		7/20/2020 14:00	490
		7/20/2020 19:05	498
		7/21/2020 8:40	510
		7/21/2020 13:30	522
		7/21/2020 18:32	518
		7/22/2020 8:54	524
		7/22/2020 13:46	536
		7/22/2020 18:57	558
		7/23/2020 9:13	528
		7/23/2020 20:14	544
		7/24/2020 9:39	538
		7/24/2020 19:47	542
		7/25/2020 8:55	528
		7/25/2020 19:34	532
		7/26/2020 10:08	536
		7/26/2020 20:03	542
		7/27/2020 10:37	542
		7/27/2020 20:55	512
		7/28/2020 9:47	536
		7/28/2020 19:29	508
		7/29/2020 9:17	526
		7/29/2020 19:34	532
		7/30/2020 10:03	530
		7/30/2020 18:18	526
		7/31/2020 12:26	502
		7/31/2020 18:54	504
		8/1/2020 9:32	522
		8/2/2020 9:16	506
		8/3/2020 12:05	526
		8/4/2020 8:31	526
		8/5/2020 9:42	540

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 10:33	245
		7/17/2020 16:39	244
		7/18/2020 19:27	243
		7/19/2020 10:39	197
		7/19/2020 18:39	192
		7/20/2020 8:19	190
		7/20/2020 14:00	207
		7/20/2020 19:05	209
		7/21/2020 8:40	218
		7/21/2020 13:30	243
		7/21/2020 18:32	244
		7/22/2020 8:54	243
		7/22/2020 13:46	248
		7/22/2020 18:57	262
		7/23/2020 9:13	247
		7/23/2020 20:14	261
		7/24/2020 9:39	249
		7/24/2020 19:47	260
		7/25/2020 8:55	269
		7/25/2020 19:34	253
		7/26/2020 10:08	254
		7/26/2020 20:03	260
		7/27/2020 10:37	250
		7/27/2020 20:55	247
		7/28/2020 9:47	252
		7/28/2020 19:29	259
		7/29/2020 9:17	256
		7/29/2020 19:34	257
		7/30/2020 10:03	252
		7/30/2020 18:18	252
		7/31/2020 12:26	250
		7/31/2020 18:54	249
		8/1/2020 9:32	257
		8/2/2020 9:16	279
		8/3/2020 12:05	245
		8/4/2020 8:31	261
		8/5/2020 9:42	258

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 10:33	425
		7/17/2020 16:39	427
		7/18/2020 19:27	416
		7/19/2020 10:39	413
		7/19/2020 18:39	410
		7/20/2020 8:19	412
		7/20/2020 14:00	419
		7/20/2020 19:05	425
		7/21/2020 8:40	432
		7/21/2020 13:30	428
		7/21/2020 18:32	429
		7/22/2020 8:54	420
		7/22/2020 13:46	429
		7/22/2020 18:57	425
		7/23/2020 9:13	430
		7/23/2020 20:14	426
		7/24/2020 9:39	419
		7/24/2020 19:47	416
		7/25/2020 8:55	422
		7/25/2020 19:34	428
		7/26/2020 10:08	421
		7/26/2020 20:03	423
		7/27/2020 10:37	419
		7/27/2020 20:55	425
		7/28/2020 9:47	420
		7/28/2020 19:29	422
		7/29/2020 9:17	418
		7/29/2020 19:34	420
		7/30/2020 10:03	429
		7/30/2020 18:18	426
		7/31/2020 12:26	421
		7/31/2020 18:54	425
		8/1/2020 9:32	428
		8/2/2020 9:16	431
		8/3/2020 12:05	437
		8/4/2020 8:31	446
		8/5/2020 9:42	454

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 10:33	1.5
		7/17/2020 16:39	0.5
		7/18/2020 19:27	1.5
		7/19/2020 10:39	1.4
		7/19/2020 18:39	---
		7/20/2020 8:19	1.6
		7/20/2020 14:00	---
		7/20/2020 19:05	---
		7/21/2020 8:40	1.4
		7/21/2020 13:30	---
		7/21/2020 18:32	---
		7/22/2020 8:54	1.2
		7/22/2020 13:46	---
		7/22/2020 18:57	---
		7/23/2020 9:13	1.3
		7/23/2020 20:14	---
		7/24/2020 9:39	1.2
		7/24/2020 19:47	---
		7/25/2020 8:55	1.2
		7/25/2020 19:34	---
		7/26/2020 10:08	0.7
		7/26/2020 20:03	---
		7/27/2020 10:37	1.1
		7/27/2020 20:55	---
		7/28/2020 9:47	0.6
		7/28/2020 19:29	---
		7/29/2020 9:17	1.2
		7/29/2020 19:34	---
		7/30/2020 10:03	1.0
		7/30/2020 18:18	---
		7/31/2020 12:26	1.7
		7/31/2020 18:54	---
		8/1/2020 9:32	1.1
		8/2/2020 9:16	1.2
		8/3/2020 12:05	0.6
		8/4/2020 8:31	1.5
		8/5/2020 9:42	1.0

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 10:33	26
		7/17/2020 16:39	---
		7/18/2020 19:27	26
		7/19/2020 10:39	48
		7/19/2020 18:39	52
		7/20/2020 8:19	52
		7/20/2020 14:00	55
		7/20/2020 19:05	50
		7/21/2020 8:40	38
		7/21/2020 13:30	---
		7/21/2020 18:32	33
		7/22/2020 8:54	---
		7/22/2020 13:46	30
		7/22/2020 18:57	---
		7/23/2020 9:13	28
		7/23/2020 20:14	---
		7/24/2020 9:39	28
		7/24/2020 19:47	---
		7/25/2020 8:55	26
		7/25/2020 19:34	---
		7/26/2020 10:08	27
		7/26/2020 20:03	---
		7/27/2020 10:37	26
		7/27/2020 20:55	---
		7/28/2020 9:47	---
		7/28/2020 19:29	---
		7/29/2020 9:17	---
		7/29/2020 19:34	---
		7/30/2020 10:03	---
		7/30/2020 18:18	---
		7/31/2020 12:26	---
		7/31/2020 18:54	---
		8/1/2020 9:32	---
		8/2/2020 9:16	---
		8/3/2020 12:05	---
		8/4/2020 8:31	---
		8/5/2020 9:42	25

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 10:33	0.5
		7/17/2020 16:39	0.5
		7/18/2020 19:27	3.0
		7/19/2020 10:39	69
		7/19/2020 18:39	80
		7/20/2020 8:19	86
		7/20/2020 14:00	95
		7/20/2020 19:05	80
		7/21/2020 8:40	44
		7/21/2020 13:30	34
		7/21/2020 18:32	25
		7/22/2020 8:54	15
		7/22/2020 13:46	14
		7/22/2020 18:57	11
		7/23/2020 9:13	11
		7/23/2020 20:14	9.6
		7/24/2020 9:39	6.4
		7/24/2020 19:47	4.3
		7/25/2020 8:55	2.6
		7/25/2020 19:34	4.5
		7/26/2020 10:08	4.0
		7/26/2020 20:03	3.6
		7/27/2020 10:37	3.4
		7/27/2020 20:55	2.5
		7/28/2020 9:47	2.1
		7/28/2020 19:29	1.6
		7/29/2020 9:17	1.1
		7/29/2020 19:34	0.80
		7/30/2020 10:03	0.60
		7/30/2020 18:18	0.60
		7/31/2020 12:26	0.50
		7/31/2020 18:54	0.50
		8/1/2020 9:32	0.50
		8/2/2020 9:16	0.50
		8/3/2020 12:05	0.50
		8/4/2020 8:31	0.50
		8/5/2020 9:42	0.50

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 10:33	0.03
		7/17/2020 16:39	0.0420
		7/18/2020 19:27	-0.015
		7/19/2020 10:39	-0.042
		7/19/2020 18:39	-0.046
		7/20/2020 8:19	-0.038
		7/20/2020 14:00	-0.029
		7/20/2020 19:05	0.02
		7/21/2020 8:40	-0.04
		7/21/2020 13:30	-0.03
		7/21/2020 18:32	-0.025
		7/22/2020 8:54	0.02
		7/22/2020 13:46	-0.02
		7/22/2020 18:57	-0.01
		7/23/2020 9:13	-0.01
		7/23/2020 20:14	-0.01
		7/24/2020 9:39	0.78
		7/24/2020 19:47	-0.02
		7/25/2020 8:55	0.22
		7/25/2020 19:34	-0.03
		7/26/2020 10:08	-0.02
		7/26/2020 20:03	-0.03
		7/27/2020 10:37	-0.03
		7/27/2020 20:55	-0.03
		7/28/2020 9:47	-0.03
		7/28/2020 19:29	-0.02
		7/29/2020 9:17	0.02
		7/29/2020 19:34	-0.03
		7/30/2020 10:03	-0.03
		7/30/2020 18:18	-0.042
		7/31/2020 12:26	-0.006
		7/31/2020 18:54	-0.044
		8/1/2020 9:32	-0.029
		8/2/2020 9:16	-0.036
		8/3/2020 12:05	-0.007
		8/4/2020 8:31	-0.034
		8/5/2020 9:42	-0.02

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 10:33	311
		7/17/2020 16:39	310
		7/18/2020 19:27	307
		7/19/2020 10:39	263
		7/19/2020 18:39	251
		7/20/2020 8:19	246
		7/20/2020 14:00	260
		7/20/2020 19:05	270
		7/21/2020 8:40	274
		7/21/2020 13:30	310
		7/21/2020 18:32	303
		7/22/2020 8:54	303
		7/22/2020 13:46	310
		7/22/2020 18:57	321
		7/23/2020 9:13	304
		7/23/2020 20:14	318
		7/24/2020 9:39	309
		7/24/2020 19:47	318
		7/25/2020 8:55	328
		7/25/2020 19:34	315
		7/26/2020 10:08	318
		7/26/2020 20:03	326
		7/27/2020 10:37	318
		7/27/2020 20:55	306
		7/28/2020 9:47	307
		7/28/2020 19:29	316
		7/29/2020 9:17	314
		7/29/2020 19:34	316
		7/30/2020 10:03	309
		7/30/2020 18:18	318
		7/31/2020 12:26	312
		7/31/2020 18:54	310
		8/1/2020 9:32	320
		8/2/2020 9:16	360
		8/3/2020 12:05	308
		8/4/2020 8:31	324
		8/5/2020 9:42	320

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 10:33	0.45
		7/17/2020 16:39	0.50
		7/18/2020 19:27	0.39
		7/19/2020 10:39	0.12
		7/19/2020 18:39	0.19
		7/20/2020 8:19	0.27
		7/20/2020 14:00	0.33
		7/20/2020 19:05	0.35
		7/21/2020 8:40	0.37
		7/21/2020 13:30	0.47
		7/21/2020 18:32	0.52
		7/22/2020 8:54	0.49
		7/22/2020 13:46	0.52
		7/22/2020 18:57	0.56
		7/23/2020 9:13	0.42
		7/23/2020 20:14	0.44
		7/24/2020 9:39	0.37
		7/24/2020 19:47	0.40
		7/25/2020 8:55	0.39
		7/25/2020 19:34	0.34
		7/26/2020 10:08	0.30
		7/26/2020 20:03	0.30
		7/27/2020 10:37	0.28
		7/27/2020 20:55	0.28
		7/28/2020 9:47	0.26
		7/28/2020 19:29	0.30
		7/29/2020 9:17	0.30
		7/29/2020 19:34	0.30
		7/30/2020 10:03	0.325
		7/30/2020 18:18	0.309
		7/31/2020 12:26	0.366
		7/31/2020 18:54	0.33
		8/1/2020 9:32	0.392
		8/2/2020 9:16	0.441
		8/3/2020 12:05	0.395
		8/4/2020 8:31	0.389
		8/5/2020 9:42	0.44

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 10:33	0.35
		7/17/2020 16:39	0.36
		7/18/2020 19:27	0.36
		7/19/2020 10:39	0.32
		7/19/2020 18:39	0.32
		7/20/2020 8:19	0.31
		7/20/2020 14:00	0.31
		7/20/2020 19:05	0.32
		7/21/2020 8:40	0.32
		7/21/2020 13:30	0.35
		7/21/2020 18:32	0.33
		7/22/2020 8:54	0.34
		7/22/2020 13:46	0.35
		7/22/2020 18:57	0.36
		7/23/2020 9:13	0.35
		7/23/2020 20:14	0.37
		7/24/2020 9:39	0.35
		7/24/2020 19:47	0.37
		7/25/2020 8:55	0.39
		7/25/2020 19:34	0.36
		7/26/2020 10:08	0.36
		7/26/2020 20:03	0.37
		7/27/2020 10:37	0.35
		7/27/2020 20:55	0.35
		7/28/2020 9:47	0.35
		7/28/2020 19:29	0.36
		7/29/2020 9:17	0.37
		7/29/2020 19:34	0.37
		7/30/2020 10:03	0.365
		7/30/2020 18:18	0.369
		7/31/2020 12:26	0.364
		7/31/2020 18:54	0.365
		8/1/2020 9:32	0.364
		8/2/2020 9:16	0.418
		8/3/2020 12:05	0.362
		8/4/2020 8:31	0.39
		8/5/2020 9:42	0.37

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 10:33	0.5
		7/17/2020 16:39	0.5
		7/18/2020 19:27	0.5
		7/19/2020 10:39	0.5
		7/19/2020 18:39	0.5
		7/20/2020 8:19	0.5
		7/20/2020 14:00	0.5
		7/20/2020 19:05	0.5
		7/21/2020 8:40	0.5
		7/21/2020 13:30	0.5
		7/21/2020 18:32	0.5
		7/22/2020 8:54	0.5
		7/22/2020 13:46	0.5
		7/22/2020 18:57	0.5
		7/23/2020 9:13	0.5
		7/23/2020 20:14	0.5
		7/24/2020 9:39	0.5
		7/24/2020 19:47	0.5
		7/25/2020 8:55	0.5
		7/25/2020 19:34	0.5
		7/26/2020 10:08	0.5
		7/26/2020 20:03	0.5
		7/27/2020 10:37	0.5
		7/27/2020 20:55	0.5
		7/28/2020 9:47	0.5
		7/28/2020 19:29	0.5
		7/29/2020 9:17	0.5
		7/29/2020 19:34	0.5
		7/30/2020 10:03	0.5
		7/30/2020 18:18	0.5
		7/31/2020 12:26	0.5
		7/31/2020 18:54	0.5
		8/1/2020 9:32	0.5
		8/2/2020 9:16	0.5
		8/3/2020 12:05	0.5
		8/4/2020 8:31	0.5
		8/5/2020 9:42	0.5

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 10:33	24.1
		7/17/2020 16:39	-104.6
		7/18/2020 19:27	-15.9
		7/19/2020 10:39	111.7
		7/19/2020 18:39	121.8
		7/20/2020 8:19	114.1
		7/20/2020 14:00	97.2
		7/20/2020 19:05	94.9
		7/21/2020 8:40	112.2
		7/21/2020 13:30	98.7
		7/21/2020 18:32	66.4
		7/22/2020 8:54	122.7
		7/22/2020 13:46	187.7
		7/22/2020 18:57	120.4
		7/23/2020 9:13	131.8
		7/23/2020 20:14	112.2
		7/24/2020 9:39	97.2
		7/24/2020 19:47	112.3
		7/25/2020 8:55	74.4
		7/25/2020 19:34	92.8
		7/26/2020 10:08	160
		7/26/2020 20:03	141.8
		7/27/2020 10:37	121.6
		7/27/2020 20:55	70.7
		7/28/2020 9:47	100.6
		7/28/2020 19:29	71.8
		7/29/2020 9:17	75.3
		7/29/2020 19:34	54.2
		7/30/2020 10:03	135.2
		7/30/2020 18:18	85.7
		7/31/2020 12:26	114
		7/31/2020 18:54	89.4
		8/1/2020 9:32	179.9
		8/2/2020 9:16	114.2
		8/3/2020 12:05	117.2
		8/4/2020 8:31	68.6
		8/5/2020 9:42	113.1

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 10:33	0.1
		7/17/2020 16:39	0.1
		7/18/2020 19:27	3.0
		7/19/2020 10:39	71
		7/19/2020 18:39	82
		7/20/2020 8:19	83
		7/20/2020 14:00	97
		7/20/2020 19:05	79
		7/21/2020 8:40	42
		7/21/2020 13:30	33
		7/21/2020 18:32	23
		7/22/2020 8:54	14
		7/22/2020 13:46	13
		7/22/2020 18:57	12
		7/23/2020 9:13	11
		7/23/2020 20:14	7.8
		7/24/2020 9:39	5.8
		7/24/2020 19:47	3.9
		7/25/2020 8:55	2.3
		7/25/2020 19:34	4.3
		7/26/2020 10:08	4.0
		7/26/2020 20:03	3.4
		7/27/2020 10:37	3.4
		7/27/2020 20:55	2.4
		7/28/2020 9:47	2.0
		7/28/2020 19:29	1.8
		7/29/2020 9:17	1.3
		7/29/2020 19:34	0.99
		7/30/2020 10:03	0.75
		7/30/2020 18:18	0.68
		7/31/2020 12:26	0.57
		7/31/2020 18:54	0.46
		8/1/2020 9:32	0.41
		8/2/2020 9:16	0.32
		8/3/2020 12:05	0.29
		8/4/2020 8:31	0.20
		8/5/2020 9:42	0.20

Groundwater Quality Data By Parameter, Well 1004

Parameter	**Units**	**Sample Date**	**Result**
pH	----	7/17/2020 10:33	7.05
		7/17/2020 16:39	7.14
		7/18/2020 19:27	7.16
		7/19/2020 10:39	7.21
		7/19/2020 18:39	7.17
		7/20/2020 8:19	7.17
		7/20/2020 14:00	7.15
		7/20/2020 19:05	7.17
		7/21/2020 8:40	7.14
		7/21/2020 13:30	7.15
		7/21/2020 18:32	7.13
		7/22/2020 8:54	7.09
		7/22/2020 13:46	7.04
		7/22/2020 18:57	7.06
		7/23/2020 9:13	7.16
		7/23/2020 20:14	7.05
		7/24/2020 9:39	7.19
		7/24/2020 19:47	7.17
		7/25/2020 8:55	7.21
		7/25/2020 19:34	7.16
		7/26/2020 10:08	7.20
		7/26/2020 20:03	7.17
		7/27/2020 10:37	7.15
		7/27/2020 20:55	7.16
		7/28/2020 9:47	7.16
		7/28/2020 19:29	7.20
		7/29/2020 9:17	7.18
		7/29/2020 19:34	7.23
		7/30/2020 10:03	7.21
		7/30/2020 18:18	7.18
		7/31/2020 12:26	7.19
		7/31/2020 18:54	7.24
		8/1/2020 9:32	7.23
		8/2/2020 9:16	7.23
		8/3/2020 12:05	7.28
		8/4/2020 8:31	7.13
		8/5/2020 9:42	7.16

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 10:33	17
		7/17/2020 16:39	17
		7/18/2020 19:27	16
		7/19/2020 10:39	15
		7/19/2020 18:39	14
		7/20/2020 8:19	15
		7/20/2020 14:00	20
		7/20/2020 19:05	15
		7/21/2020 8:40	15
		7/21/2020 13:30	22
		7/21/2020 18:32	17
		7/22/2020 8:54	16
		7/22/2020 13:46	16
		7/22/2020 18:57	18
		7/23/2020 9:13	17
		7/23/2020 20:14	19
		7/24/2020 9:39	16
		7/24/2020 19:47	17
		7/25/2020 8:55	22
		7/25/2020 19:34	17
		7/26/2020 10:08	17
		7/26/2020 20:03	18
		7/27/2020 10:37	17
		7/27/2020 20:55	16
		7/28/2020 9:47	17
		7/28/2020 19:29	17
		7/29/2020 9:17	20
		7/29/2020 19:34	17
		7/30/2020 10:03	17
		7/30/2020 18:18	17
		7/31/2020 12:26	17
		7/31/2020 18:54	16
		8/1/2020 9:32	18
		8/2/2020 9:16	19
		8/3/2020 12:05	17
		8/4/2020 8:31	17
		8/5/2020 9:42	18

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 10:33	<DL
		7/17/2020 16:39	<DL
		7/18/2020 19:27	<DL
		7/19/2020 10:39	<DL
		7/19/2020 18:39	<DL
		7/20/2020 8:19	<DL
		7/20/2020 14:00	<DL
		7/20/2020 19:05	<DL
		7/21/2020 8:40	<DL
		7/21/2020 13:30	<DL
		7/21/2020 18:32	<DL
		7/22/2020 8:54	<DL
		7/22/2020 13:46	<DL
		7/22/2020 18:57	<DL
		7/23/2020 9:13	<DL
		7/23/2020 20:14	<DL
		7/24/2020 9:39	<DL
		7/24/2020 19:47	<DL
		7/25/2020 8:55	<DL
		7/25/2020 19:34	<DL
		7/26/2020 10:08	<DL
		7/26/2020 20:03	<DL
		7/27/2020 10:37	<DL
		7/27/2020 20:55	<DL
		7/28/2020 9:47	<DL
		7/28/2020 19:29	<DL
		7/29/2020 9:17	<DL
		7/29/2020 19:34	<DL
		7/30/2020 10:03	<DL
		7/30/2020 18:18	<DL
		7/31/2020 12:26	<DL
		7/31/2020 18:54	<DL
		8/1/2020 9:32	<DL
		8/2/2020 9:16	<DL
		8/3/2020 12:05	<DL
		8/4/2020 8:31	<DL
		8/5/2020 9:42	<DL

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 10:33	2142
		7/17/2020 16:39	2138
		7/18/2020 19:27	2151
		7/19/2020 10:39	1955
		7/19/2020 18:39	1903
		7/20/2020 8:19	1863
		7/20/2020 14:00	1910
		7/20/2020 19:05	1973
		7/21/2020 8:40	2009
		7/21/2020 13:30	2244
		7/21/2020 18:32	2130
		7/22/2020 8:54	2070
		7/22/2020 13:46	2116
		7/22/2020 18:57	2197
		7/23/2020 9:13	2088
		7/23/2020 20:14	2201
		7/24/2020 9:39	2127
		7/24/2020 19:47	2204
		7/25/2020 8:55	2275
		7/25/2020 19:34	2165
		7/26/2020 10:08	2192
		7/26/2020 20:03	2231
		7/27/2020 10:37	2159
		7/27/2020 20:55	2087
		7/28/2020 9:47	2094
		7/28/2020 19:29	2145
		7/29/2020 9:17	2163
		7/29/2020 19:34	2170
		7/30/2020 10:03	2127
		7/30/2020 18:18	2183
		7/31/2020 12:26	2158
		7/31/2020 18:54	2136
		8/1/2020 9:32	2214
		8/2/2020 9:16	2440
		8/3/2020 12:05	2150
		8/4/2020 8:31	2261
		8/5/2020 9:42	2241

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 10:33	10420
		7/17/2020 16:39	10130
		7/18/2020 19:27	10220
		7/19/2020 10:39	9160
		7/19/2020 18:39	8780
		7/20/2020 8:19	8480
		7/20/2020 14:00	8570
		7/20/2020 19:05	8900
		7/21/2020 8:40	9700
		7/21/2020 13:30	9780
		7/21/2020 18:32	9910
		7/22/2020 8:54	9950
		7/22/2020 13:46	9890
		7/22/2020 18:57	9970
		7/23/2020 9:13	10180
		7/23/2020 20:14	10290
		7/24/2020 9:39	10320
		7/24/2020 19:47	10330
		7/25/2020 8:55	10330
		7/25/2020 19:34	10420
		7/26/2020 10:08	10420
		7/26/2020 20:03	10480
		7/27/2020 10:37	10450
		7/27/2020 20:55	10510
		7/28/2020 9:47	10400
		7/28/2020 19:29	10460
		7/29/2020 9:17	10450
		7/29/2020 19:34	10400
		7/30/2020 10:03	10480
		7/30/2020 18:18	10550
		7/31/2020 12:26	10590
		7/31/2020 18:54	10540
		8/1/2020 9:32	10460
		8/2/2020 9:16	10420
		8/3/2020 12:05	10600
		8/4/2020 8:31	10570
		8/5/2020 9:42	10520

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 10:33	3.8
		7/17/2020 16:39	3.8
		7/18/2020 19:27	3.7
		7/19/2020 10:39	3.1
		7/19/2020 18:39	3.0
		7/20/2020 8:19	2.9
		7/20/2020 14:00	3.1
		7/20/2020 19:05	3.3
		7/21/2020 8:40	3.4
		7/21/2020 13:30	3.8
		7/21/2020 18:32	3.7
		7/22/2020 8:54	3.8
		7/22/2020 13:46	3.8
		7/22/2020 18:57	4.0
		7/23/2020 9:13	3.9
		7/23/2020 20:14	4.0
		7/24/2020 9:39	3.9
		7/24/2020 19:47	4.0
		7/25/2020 8:55	4.1
		7/25/2020 19:34	3.9
		7/26/2020 10:08	3.9
		7/26/2020 20:03	4.0
		7/27/2020 10:37	3.9
		7/27/2020 20:55	3.9
		7/28/2020 9:47	3.9
		7/28/2020 19:29	4.0
		7/29/2020 9:17	3.9
		7/29/2020 19:34	4.0
		7/30/2020 10:03	3.9
		7/30/2020 18:18	3.9
		7/31/2020 12:26	3.9
		7/31/2020 18:54	3.8
		8/1/2020 9:32	4.0
		8/2/2020 9:16	4.4
		8/3/2020 12:05	3.9
		8/4/2020 8:31	4.0
		8/5/2020 9:42	4.0

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 10:33	5275
		7/17/2020 16:39	5280
		7/18/2020 19:27	5193
		7/19/2020 10:39	5173
		7/19/2020 18:39	5178
		7/20/2020 8:19	5179
		7/20/2020 14:00	5276
		7/20/2020 19:05	5387
		7/21/2020 8:40	5294
		7/21/2020 13:30	5283
		7/21/2020 18:32	5329
		7/22/2020 8:54	5358
		7/22/2020 13:46	5389
		7/22/2020 18:57	5419
		7/23/2020 9:13	5462
		7/23/2020 20:14	5512
		7/24/2020 9:39	5576
		7/24/2020 19:47	5579
		7/25/2020 8:55	5522
		7/25/2020 19:34	5412
		7/26/2020 10:08	5538
		7/26/2020 20:03	5548
		7/27/2020 10:37	5493
		7/27/2020 20:55	5510
		7/28/2020 9:47	5521
		7/28/2020 19:29	5384
		7/29/2020 9:17	5289
		7/29/2020 19:34	5312
		7/30/2020 10:03	5346
		7/30/2020 18:18	5331
		7/31/2020 12:26	5328
		7/31/2020 18:54	5425
		8/1/2020 9:32	5476
		8/2/2020 9:16	5491
		8/3/2020 12:05	5516
		8/4/2020 8:31	5534
		8/5/2020 9:42	5427

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 10:33	0.97
		7/17/2020 16:39	0.97
		7/18/2020 19:27	0.97
		7/19/2020 10:39	0.92
		7/19/2020 18:39	0.87
		7/20/2020 8:19	0.85
		7/20/2020 14:00	0.88
		7/20/2020 19:05	0.90
		7/21/2020 8:40	0.92
		7/21/2020 13:30	1.02
		7/21/2020 18:32	0.97
		7/22/2020 8:54	0.95
		7/22/2020 13:46	0.96
		7/22/2020 18:57	0.99
		7/23/2020 9:13	0.94
		7/23/2020 20:14	0.98
		7/24/2020 9:39	0.95
		7/24/2020 19:47	0.98
		7/25/2020 8:55	1.01
		7/25/2020 19:34	0.96
		7/26/2020 10:08	0.98
		7/26/2020 20:03	0.99
		7/27/2020 10:37	0.97
		7/27/2020 20:55	0.94
		7/28/2020 9:47	0.94
		7/28/2020 19:29	0.95
		7/29/2020 9:17	0.96
		7/29/2020 19:34	0.97
		7/30/2020 10:03	0.944
		7/30/2020 18:18	0.968
		7/31/2020 12:26	0.951
		7/31/2020 18:54	0.939
		8/1/2020 9:32	0.966
		8/2/2020 9:16	1.088
		8/3/2020 12:05	0.939
		8/4/2020 8:31	1.002
		8/5/2020 9:42	0.99

Groundwater Quality Data By Parameter, Well 1004

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 10:33	0.001
		7/17/2020 16:39	0.004
		7/18/2020 19:27	0.006
		7/19/2020 10:39	0.005
		7/19/2020 18:39	0.006
		7/20/2020 8:19	0.007
		7/20/2020 14:00	0.006
		7/20/2020 19:05	0.008
		7/21/2020 8:40	0.005
		7/21/2020 13:30	0.005
		7/21/2020 18:32	0.005
		7/22/2020 8:54	0.004
		7/22/2020 13:46	0.003
		7/22/2020 18:57	0.005
		7/23/2020 9:13	0.005
		7/23/2020 20:14	0.006
		7/24/2020 9:39	0.004
		7/24/2020 19:47	0.006
		7/25/2020 8:55	0.006
		7/25/2020 19:34	0.004
		7/26/2020 10:08	0.004
		7/26/2020 20:03	0.004
		7/27/2020 10:37	0.003
		7/27/2020 20:55	0.004
		7/28/2020 9:47	0.004
		7/28/2020 19:29	0.006
		7/29/2020 9:17	0.006
		7/29/2020 19:34	0.008
		7/30/2020 10:03	0.006
		7/30/2020 18:18	0.008
		7/31/2020 12:26	0.008
		7/31/2020 18:54	0.006
		8/1/2020 9:32	0.007
		8/2/2020 9:16	0.01
		8/3/2020 12:05	0.008
		8/4/2020 8:31	0.009
		8/5/2020 9:42	0.009

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 10:46	530
		7/17/2020 16:49	556
		7/18/2020 19:37	566
		7/19/2020 10:47	526
		7/19/2020 18:45	506
		7/20/2020 8:28	482
		7/20/2020 14:07	488
		7/20/2020 19:12	448
		7/21/2020 8:47	442
		7/21/2020 13:36	448
		7/21/2020 18:38	442
		7/22/2020 9:13	448
		7/22/2020 13:56	426
		7/22/2020 19:04	436
		7/23/2020 9:21	434
		7/23/2020 20:21	440
		7/24/2020 9:48	456
		7/24/2020 19:53	476
		7/25/2020 9:03	470
		7/25/2020 19:40	474
		7/26/2020 10:19	486
		7/26/2020 20:13	492
		7/27/2020 10:52	496
		7/27/2020 21:05	490
		7/28/2020 9:56	500
		7/28/2020 19:39	498
		7/29/2020 9:38	502
		7/29/2020 19:47	506
		7/30/2020 10:20	498
		7/30/2020 18:28	500
		7/31/2020 12:42	500
		7/31/2020 19:05	502
		8/1/2020 9:54	502
		8/1/2020 18:20	518
		8/2/2020 9:35	492
		8/2/2020 18:15	508
		8/3/2020 9:56	498
		8/3/2020 19:01	518
		8/4/2020 8:38	524
		8/4/2020 19:32	524
		8/5/2020 9:51	532

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 10:46	251
		7/17/2020 16:49	247
		7/18/2020 19:37	237
		7/19/2020 10:47	236
		7/19/2020 18:45	225
		7/20/2020 8:28	184
		7/20/2020 14:07	157
		7/20/2020 19:12	150
		7/21/2020 8:47	149
		7/21/2020 13:36	163
		7/21/2020 18:38	156
		7/22/2020 9:13	149
		7/22/2020 13:56	162
		7/22/2020 19:04	158
		7/23/2020 9:21	165
		7/23/2020 20:21	173
		7/24/2020 9:48	189
		7/24/2020 19:53	203
		7/25/2020 9:03	224
		7/25/2020 19:40	237
		7/26/2020 10:19	249
		7/26/2020 20:13	252
		7/27/2020 10:52	258
		7/27/2020 21:05	264
		7/28/2020 9:56	257
		7/28/2020 19:39	263
		7/29/2020 9:38	266
		7/29/2020 19:47	267
		7/30/2020 10:20	270
		7/30/2020 18:28	267
		7/31/2020 12:42	265
		7/31/2020 19:05	270
		8/1/2020 9:54	274
		8/1/2020 18:20	266
		8/2/2020 9:35	295
		8/2/2020 18:15	273
		8/3/2020 9:56	267
		8/3/2020 19:01	271
		8/4/2020 8:38	285
		8/4/2020 19:32	267
		8/5/2020 9:51	322

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 10:46	397
		7/17/2020 16:49	410
		7/18/2020 19:37	412
		7/19/2020 10:47	404
		7/19/2020 18:45	373
		7/20/2020 8:28	314
		7/20/2020 14:07	267
		7/20/2020 19:12	276
		7/21/2020 8:47	280
		7/21/2020 13:36	286
		7/21/2020 18:38	276
		7/22/2020 9:13	270
		7/22/2020 13:56	273
		7/22/2020 19:04	264
		7/23/2020 9:21	261
		7/23/2020 20:21	277
		7/24/2020 9:48	284
		7/24/2020 19:53	298
		7/25/2020 9:03	318
		7/25/2020 19:40	330
		7/26/2020 10:19	341
		7/26/2020 20:13	344
		7/27/2020 10:52	353
		7/27/2020 21:05	356
		7/28/2020 9:56	370
		7/28/2020 19:39	367
		7/29/2020 9:38	372
		7/29/2020 19:47	375
		7/30/2020 10:20	380
		7/30/2020 18:28	384
		7/31/2020 12:42	382
		7/31/2020 19:05	386
		8/1/2020 9:54	397
		8/1/2020 18:20	392
		8/2/2020 9:35	411
		8/2/2020 18:15	396
		8/3/2020 9:56	400
		8/3/2020 19:01	402
		8/4/2020 8:38	431
		8/4/2020 19:32	434
		8/5/2020 9:51	432

Groundwater Quality Data By Parameter, Well 1005

Parameter	**Units**	**Sample Date**	**Result**
Dissolved Oxygen	mg/L	7/17/2020 10:46	1.8
		7/17/2020 16:49	1.3
		7/18/2020 19:37	1.1
		7/19/2020 10:47	1.7
		7/19/2020 18:45	----
		7/20/2020 8:28	1.9
		7/20/2020 14:07	----
		7/20/2020 19:12	----
		7/21/2020 8:47	1.4
		7/21/2020 13:36	----
		7/21/2020 18:38	----
		7/22/2020 9:13	1.4
		7/22/2020 13:56	----
		7/22/2020 19:04	----
		7/23/2020 9:21	0.8
		7/23/2020 20:21	----
		7/24/2020 9:48	2.2
		7/24/2020 19:53	----
		7/25/2020 9:03	1.0
		7/25/2020 19:40	----
		7/26/2020 10:19	1.0
		7/26/2020 20:13	----
		7/27/2020 10:52	0.7
		7/27/2020 21:05	----
		7/28/2020 9:56	1.3
		7/28/2020 19:39	----
		7/29/2020 9:38	1.4
		7/29/2020 19:47	----
		7/30/2020 10:20	1.8
		7/30/2020 18:28	----
		7/31/2020 12:42	0.3
		7/31/2020 19:05	----
		8/1/2020 9:54	0.6
		8/1/2020 18:20	----
		8/2/2020 9:35	1.4
		8/2/2020 18:15	----
		8/3/2020 9:56	1.0
		8/3/2020 19:01	----
		8/4/2020 8:38	1.1
		8/4/2020 19:32	----
		8/5/2020 9:51	1.4

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 10:46	26
		7/17/2020 16:49	---
		7/18/2020 19:37	26
		7/19/2020 10:47	---
		7/19/2020 18:45	43
		7/20/2020 8:28	---
		7/20/2020 14:07	78
		7/20/2020 19:12	---
		7/21/2020 8:47	77
		7/21/2020 13:36	---
		7/21/2020 18:38	74
		7/22/2020 9:13	---
		7/22/2020 13:56	78
		7/22/2020 19:04	---
		7/23/2020 9:21	77
		7/23/2020 20:21	---
		7/24/2020 9:48	65
		7/24/2020 19:53	---
		7/25/2020 9:03	51
		7/25/2020 19:40	---
		7/26/2020 10:19	43
		7/26/2020 20:13	---
		7/27/2020 10:52	40
		7/27/2020 21:05	---
		7/28/2020 9:56	37
		7/28/2020 19:39	---
		7/29/2020 9:38	35
		7/29/2020 19:47	---
		7/30/2020 10:20	32
		7/30/2020 18:28	---
		7/31/2020 12:42	30
		7/31/2020 19:05	---
		8/1/2020 9:54	29
		8/1/2020 18:20	---
		8/2/2020 9:35	29
		8/2/2020 18:15	---
		8/3/2020 9:56	28
		8/3/2020 19:01	---
		8/4/2020 8:38	27
		8/4/2020 19:32	---
		8/5/2020 9:51	26

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 10:46	0.5
		7/17/2020 16:49	0.5
		7/18/2020 19:37	4.7
		7/19/2020 10:47	16
		7/19/2020 18:45	51
		7/20/2020 8:28	120
		7/20/2020 14:07	154
		7/20/2020 19:12	164
		7/21/2020 8:47	160
		7/21/2020 13:36	134
		7/21/2020 18:38	146
		7/22/2020 9:13	154
		7/22/2020 13:56	157
		7/22/2020 19:04	158
		7/23/2020 9:21	159
		7/23/2020 20:21	145
		7/24/2020 9:48	127
		7/24/2020 19:53	110
		7/25/2020 9:03	88
		7/25/2020 19:40	71
		7/26/2020 10:19	59
		7/26/2020 20:13	54
		7/27/2020 10:52	48
		7/27/2020 21:05	43
		7/28/2020 9:56	38
		7/28/2020 19:39	34
		7/29/2020 9:38	29
		7/29/2020 19:47	26
		7/30/2020 10:20	21
		7/30/2020 18:28	19
		7/31/2020 12:42	16
		7/31/2020 19:05	16
		8/1/2020 9:54	13
		8/1/2020 18:20	13
		8/2/2020 9:35	11
		8/2/2020 18:15	9.1
		8/3/2020 9:56	7.5
		8/3/2020 19:01	7.4
		8/4/2020 8:38	5.3
		8/4/2020 19:32	4.1
		8/5/2020 9:51	2.7

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 10:46	0.15
		7/17/2020 16:49	0.12
		7/18/2020 19:37	0.07
		7/19/2020 10:47	0.075
		7/19/2020 18:45	0.03
		7/20/2020 8:28	0.04
		7/20/2020 14:07	0.02
		7/20/2020 19:12	0.14
		7/21/2020 8:47	0.29
		7/21/2020 13:36	0.39
		7/21/2020 18:38	0.36
		7/22/2020 9:13	0.26
		7/22/2020 13:56	0.28
		7/22/2020 19:04	0.25
		7/23/2020 9:21	0.29
		7/23/2020 20:21	0.20
		7/24/2020 9:48	0.22
		7/24/2020 19:53	0.20
		7/25/2020 9:03	0.25
		7/25/2020 19:40	0.25
		7/26/2020 10:19	0.17
		7/26/2020 20:13	0.17
		7/27/2020 10:52	0.78
		7/27/2020 21:05	0.17
		7/28/2020 9:56	0.07
		7/28/2020 19:39	0.07
		7/29/2020 9:38	0.14
		7/29/2020 19:47	0.17
		7/30/2020 10:20	0.11
		7/30/2020 18:28	0.05
		7/31/2020 12:42	0.14
		7/31/2020 19:05	0.11
		8/1/2020 9:54	0.07
		8/1/2020 18:20	0.02
		8/2/2020 9:35	0.05
		8/2/2020 18:15	0.02
		8/3/2020 9:56	0.01
		8/3/2020 19:01	0.03
		8/4/2020 8:38	0.06
		8/4/2020 19:32	0.05
		8/5/2020 9:51	0.06

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 10:46	311
		7/17/2020 16:49	307
		7/18/2020 19:37	301
		7/19/2020 10:47	298
		7/19/2020 18:45	278
		7/20/2020 8:28	227
		7/20/2020 14:07	194
		7/20/2020 19:12	184
		7/21/2020 8:47	186
		7/21/2020 13:36	206
		7/21/2020 18:38	195
		7/22/2020 9:13	188
		7/22/2020 13:56	204
		7/22/2020 19:04	200
		7/23/2020 9:21	205
		7/23/2020 20:21	215
		7/24/2020 9:48	232
		7/24/2020 19:53	246
		7/25/2020 9:03	266
		7/25/2020 19:40	281
		7/26/2020 10:19	293
		7/26/2020 20:13	292
		7/27/2020 10:52	299
		7/27/2020 21:05	304
		7/28/2020 9:56	299
		7/28/2020 19:39	305
		7/29/2020 9:38	309
		7/29/2020 19:47	309
		7/30/2020 10:20	314
		7/30/2020 18:28	312
		7/31/2020 12:42	308
		7/31/2020 19:05	307
		8/1/2020 9:54	324
		8/1/2020 18:20	309
		8/2/2020 9:35	346
		8/2/2020 18:15	318
		8/3/2020 9:56	313
		8/3/2020 19:01	316
		8/4/2020 8:38	332
		8/4/2020 19:32	313
		8/5/2020 9:51	378

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 10:46	0.725
		7/17/2020 16:49	0.705
		7/18/2020 19:37	0.607
		7/19/2020 10:47	0.568
		7/19/2020 18:45	0.555
		7/20/2020 8:28	0.531
		7/20/2020 14:07	0.527
		7/20/2020 19:12	0.564
		7/21/2020 8:47	0.624
		7/21/2020 13:36	0.723
		7/21/2020 18:38	0.679
		7/22/2020 9:13	0.596
		7/22/2020 13:56	0.622
		7/22/2020 19:04	0.553
		7/23/2020 9:21	0.615
		7/23/2020 20:21	0.517
		7/24/2020 9:48	0.521
		7/24/2020 19:53	0.521
		7/25/2020 9:03	0.539
		7/25/2020 19:40	0.565
		7/26/2020 10:19	0.542
		7/26/2020 20:13	0.551
		7/27/2020 10:52	0.534
		7/27/2020 21:05	0.543
		7/28/2020 9:56	0.537
		7/28/2020 19:39	0.546
		7/29/2020 9:38	0.544
		7/29/2020 19:47	0.544
		7/30/2020 10:20	0.535
		7/30/2020 18:28	0.53
		7/31/2020 12:42	0.537
		7/31/2020 19:05	0.543
		8/1/2020 9:54	0.572
		8/1/2020 18:20	0.532
		8/2/2020 9:35	0.596
		8/2/2020 18:15	0.531
		8/3/2020 9:56	0.516
		8/3/2020 19:01	0.542
		8/4/2020 8:38	0.577
		8/4/2020 19:32	0.542
		8/5/2020 9:51	0.626

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 10:46	0.382
		7/17/2020 16:49	0.379
		7/18/2020 19:37	0.369
		7/19/2020 10:47	0.369
		7/19/2020 18:45	0.353
		7/20/2020 8:28	0.32
		7/20/2020 14:07	0.286
		7/20/2020 19:12	0.274
		7/21/2020 8:47	0.261
		7/21/2020 13:36	0.293
		7/21/2020 18:38	0.283
		7/22/2020 9:13	0.274
		7/22/2020 13:56	0.299
		7/22/2020 19:04	0.282
		7/23/2020 9:21	0.30
		7/23/2020 20:21	0.28
		7/24/2020 9:48	0.282
		7/24/2020 19:53	0.30
		7/25/2020 9:03	0.31
		7/25/2020 19:40	0.32
		7/26/2020 10:19	0.33
		7/26/2020 20:13	0.32
		7/27/2020 10:52	0.33
		7/27/2020 21:05	0.33
		7/28/2020 9:56	0.33
		7/28/2020 19:39	0.34
		7/29/2020 9:38	0.34
		7/29/2020 19:47	0.34
		7/30/2020 10:20	0.35
		7/30/2020 18:28	0.35
		7/31/2020 12:42	0.36
		7/31/2020 19:05	0.36
		8/1/2020 9:54	0.38
		8/1/2020 18:20	0.36
		8/2/2020 9:35	0.41
		8/2/2020 18:15	0.37
		8/3/2020 9:56	0.37
		8/3/2020 19:01	0.38
		8/4/2020 8:38	0.40
		8/4/2020 19:32	0.38
		8/5/2020 9:51	0.46

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 10:46	0.5
		7/17/2020 16:49	0.5
		7/18/2020 19:37	0.5
		7/19/2020 10:47	0.5
		7/19/2020 18:45	0.5
		7/20/2020 8:28	0.5
		7/20/2020 14:07	0.5
		7/20/2020 19:12	0.5
		7/21/2020 8:47	0.5
		7/21/2020 13:36	0.5
		7/21/2020 18:38	0.5
		7/22/2020 9:13	0.5
		7/22/2020 13:56	0.5
		7/22/2020 19:04	0.5
		7/23/2020 9:21	0.5
		7/23/2020 20:21	0.5
		7/24/2020 9:48	0.5
		7/24/2020 19:53	0.5
		7/25/2020 9:03	0.5
		7/25/2020 19:40	0.5
		7/26/2020 10:19	0.5
		7/26/2020 20:13	0.5
		7/27/2020 10:52	0.5
		7/27/2020 21:05	0.5
		7/28/2020 9:56	0.5
		7/28/2020 19:39	0.5
		7/29/2020 9:38	0.5
		7/29/2020 19:47	0.5
		7/30/2020 10:20	0.5
		7/30/2020 18:28	0.5
		7/31/2020 12:42	0.5
		7/31/2020 19:05	0.5
		8/1/2020 9:54	0.5
		8/1/2020 18:20	0.5
		8/2/2020 9:35	0.5
		8/2/2020 18:15	0.5
		8/3/2020 9:56	0.5
		8/3/2020 19:01	0.5
		8/4/2020 8:38	0.5
		8/4/2020 19:32	0.5
		8/5/2020 9:51	0.5

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 10:46	166.6
		7/17/2020 16:49	-25.2
		7/18/2020 19:37	-4.7
		7/19/2020 10:47	100.1
		7/19/2020 18:45	202
		7/20/2020 8:28	122.2
		7/20/2020 14:07	92.4
		7/20/2020 19:12	49.8
		7/21/2020 8:47	30.7
		7/21/2020 13:36	23.6
		7/21/2020 18:38	16.8
		7/22/2020 9:13	25.4
		7/22/2020 13:56	29.1
		7/22/2020 19:04	23.2
		7/23/2020 9:21	-0.1
		7/23/2020 20:21	52.8
		7/24/2020 9:48	19.8
		7/24/2020 19:53	32
		7/25/2020 9:03	33.3
		7/25/2020 19:40	32.5
		7/26/2020 10:19	58.9
		7/26/2020 20:13	48.1
		7/27/2020 10:52	61.2
		7/27/2020 21:05	37.6
		7/28/2020 9:56	69.3
		7/28/2020 19:39	52
		7/29/2020 9:38	48.6
		7/29/2020 19:47	43.4
		7/30/2020 10:20	80.6
		7/30/2020 18:28	57.8
		7/31/2020 12:42	75.3
		7/31/2020 19:05	36.6
		8/1/2020 9:54	151.4
		8/1/2020 18:20	166.9
		8/2/2020 9:35	139.4
		8/2/2020 18:15	214.6
		8/3/2020 9:56	78.2
		8/3/2020 19:01	194
		8/4/2020 8:38	79.1
		8/4/2020 19:32	182.5
		8/5/2020 9:51	146.7

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 10:46	0.1
		7/17/2020 16:49	0.1
		7/18/2020 19:37	5.1
		7/19/2020 10:47	17
		7/19/2020 18:45	56
		7/20/2020 8:28	130
		7/20/2020 14:07	160
		7/20/2020 19:12	175
		7/21/2020 8:47	172
		7/21/2020 13:36	133
		7/21/2020 18:38	161
		7/22/2020 9:13	167
		7/22/2020 13:56	161
		7/22/2020 19:04	170
		7/23/2020 9:21	169
		7/23/2020 20:21	161
		7/24/2020 9:48	140
		7/24/2020 19:53	118
		7/25/2020 9:03	93
		7/25/2020 19:40	77
		7/26/2020 10:19	65
		7/26/2020 20:13	59
		7/27/2020 10:52	53
		7/27/2020 21:05	48
		7/28/2020 9:56	43
		7/28/2020 19:39	37
		7/29/2020 9:38	28
		7/29/2020 19:47	25
		7/30/2020 10:20	22
		7/30/2020 18:28	18
		7/31/2020 12:42	16
		7/31/2020 19:05	16
		8/1/2020 9:54	15
		8/1/2020 18:20	14
		8/2/2020 9:35	11
		8/2/2020 18:15	10
		8/3/2020 9:56	8.2
		8/3/2020 19:01	8.2
		8/4/2020 8:38	5.0
		8/4/2020 19:32	3.8
		8/5/2020 9:51	2.1

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 10:46	7.07
		7/17/2020 16:49	7.16
		7/18/2020 19:37	7.19
		7/19/2020 10:47	7.19
		7/19/2020 18:45	7.20
		7/20/2020 8:28	7.23
		7/20/2020 14:07	7.22
		7/20/2020 19:12	7.25
		7/21/2020 8:47	7.26
		7/21/2020 13:36	7.21
		7/21/2020 18:38	7.20
		7/22/2020 9:13	7.21
		7/22/2020 13:56	7.18
		7/22/2020 19:04	7.17
		7/23/2020 9:21	7.21
		7/23/2020 20:21	7.21
		7/24/2020 9:48	7.34
		7/24/2020 19:53	7.33
		7/25/2020 9:03	7.34
		7/25/2020 19:40	7.28
		7/26/2020 10:19	7.32
		7/26/2020 20:13	7.35
		7/27/2020 10:52	7.24
		7/27/2020 21:05	7.27
		7/28/2020 9:56	7.26
		7/28/2020 19:39	7.27
		7/29/2020 9:38	7.25
		7/29/2020 19:47	7.32
		7/30/2020 10:20	7.31
		7/30/2020 18:28	7.27
		7/31/2020 12:42	7.24
		7/31/2020 19:05	7.29
		8/1/2020 9:54	7.34
		8/1/2020 18:20	7.27
		8/2/2020 9:35	7.32
		8/2/2020 18:15	7.16
		8/3/2020 9:56	7.35
		8/3/2020 19:01	7.22
		8/4/2020 8:38	7.20
		8/4/2020 19:32	7.14
		8/5/2020 9:51	7.19

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 10:46	18
		7/17/2020 16:49	17
		7/18/2020 19:37	18
		7/19/2020 10:47	18
		7/19/2020 18:45	17
		7/20/2020 8:28	17
		7/20/2020 14:07	14
		7/20/2020 19:12	14
		7/21/2020 8:47	14
		7/21/2020 13:36	15
		7/21/2020 18:38	18
		7/22/2020 9:13	13
		7/22/2020 13:56	16
		7/22/2020 19:04	14
		7/23/2020 9:21	15
		7/23/2020 20:21	16
		7/24/2020 9:48	15
		7/24/2020 19:53	15
		7/25/2020 9:03	16
		7/25/2020 19:40	16
		7/26/2020 10:19	18
		7/26/2020 20:13	17
		7/27/2020 10:52	18
		7/27/2020 21:05	19
		7/28/2020 9:56	19
		7/28/2020 19:39	19
		7/29/2020 9:38	20
		7/29/2020 19:47	21
		7/30/2020 10:20	20
		7/30/2020 18:28	20
		7/31/2020 12:42	20
		7/31/2020 19:05	21
		8/1/2020 9:54	23
		8/1/2020 18:20	21
		8/2/2020 9:35	25
		8/2/2020 18:15	23
		8/3/2020 9:56	23
		8/3/2020 19:01	22
		8/4/2020 8:38	24
		8/4/2020 19:32	23
		8/5/2020 9:51	28

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 10:46	<DL
		7/17/2020 16:49	<DL
		7/18/2020 19:37	<DL
		7/19/2020 10:47	<DL
		7/19/2020 18:45	<DL
		7/20/2020 8:28	<DL
		7/20/2020 14:07	<DL
		7/20/2020 19:12	<DL
		7/21/2020 8:47	<DL
		7/21/2020 13:36	<DL
		7/21/2020 18:38	<DL
		7/22/2020 9:13	<DL
		7/22/2020 13:56	<DL
		7/22/2020 19:04	<DL
		7/23/2020 9:21	<DL
		7/23/2020 20:21	<DL
		7/24/2020 9:48	<DL
		7/24/2020 19:53	<DL
		7/25/2020 9:03	<DL
		7/25/2020 19:40	<DL
		7/26/2020 10:19	<DL
		7/26/2020 20:13	<DL
		7/27/2020 10:52	<DL
		7/27/2020 21:05	<DL
		7/28/2020 9:56	<DL
		7/28/2020 19:39	<DL
		7/29/2020 9:38	<DL
		7/29/2020 19:47	<DL
		7/30/2020 10:20	<DL
		7/30/2020 18:28	<DL
		7/31/2020 12:42	<DL
		7/31/2020 19:05	<DL
		8/1/2020 9:54	<DL
		8/1/2020 18:20	<DL
		8/2/2020 9:35	<DL
		8/2/2020 18:15	<DL
		8/3/2020 9:56	<DL
		8/3/2020 19:01	<DL
		8/4/2020 8:38	<DL
		8/4/2020 19:32	<DL
		8/5/2020 9:51	<DL

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 10:46	2199
		7/17/2020 16:49	2175
		7/18/2020 19:37	2144
		7/19/2020 10:47	2158
		7/19/2020 18:45	2081
		7/20/2020 8:28	1854
		7/20/2020 14:07	1677
		7/20/2020 19:12	1623
		7/21/2020 8:47	1631
		7/21/2020 13:36	1744
		7/21/2020 18:38	1689
		7/22/2020 9:13	1604
		7/22/2020 13:56	1723
		7/22/2020 19:04	1595
		7/23/2020 9:21	1703
		7/23/2020 20:21	1603
		7/24/2020 9:48	1630
		7/24/2020 19:53	1643
		7/25/2020 9:03	1686
		7/25/2020 19:40	1736
		7/26/2020 10:19	1762
		7/26/2020 20:13	1756
		7/27/2020 10:52	1793
		7/27/2020 21:05	1829
		7/28/2020 9:56	1838
		7/28/2020 19:39	1861
		7/29/2020 9:38	1896
		7/29/2020 19:47	1922
		7/30/2020 10:20	1945
		7/30/2020 18:28	1936
		7/31/2020 12:42	1952
		7/31/2020 19:05	1953
		8/1/2020 9:54	2076
		8/1/2020 18:20	1981
		8/2/2020 9:35	2238
		8/2/2020 18:15	2053
		8/3/2020 9:56	2052
		8/3/2020 19:01	2062
		8/4/2020 8:38	2197
		8/4/2020 19:32	2086
		8/5/2020 9:51	2498

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Specific Conductance	µS/cm	7/17/2020 10:46	10320
		7/17/2020 16:49	10140
		7/18/2020 19:37	10050
		7/19/2020 10:47	10150
		7/19/2020 18:45	9600
		7/20/2020 8:28	8360
		7/20/2020 14:07	7810
		7/20/2020 19:12	7580
		7/21/2020 8:47	7720
		7/21/2020 13:36	8000
		7/21/2020 18:38	7870
		7/22/2020 9:13	7640
		7/22/2020 13:56	7470
		7/22/2020 19:04	7490
		7/23/2020 9:21	7730
		7/23/2020 20:21	7780
		7/24/2020 9:48	7970
		7/24/2020 19:53	8250
		7/25/2020 9:03	8550
		7/25/2020 19:40	8870
		7/26/2020 10:19	8960
		7/26/2020 20:13	9090
		7/27/2020 10:52	9190
		7/27/2020 21:05	9250
		7/28/2020 9:56	9310
		7/28/2020 19:39	9420
		7/29/2020 9:38	9480
		7/29/2020 19:47	9680
		7/30/2020 10:20	9690
		7/30/2020 18:28	9830
		7/31/2020 12:42	9870
		7/31/2020 19:05	9930
		8/1/2020 9:54	9920
		8/1/2020 18:20	9850
		8/2/2020 9:35	9940
		8/2/2020 18:15	9990
		8/3/2020 9:56	10070
		8/3/2020 19:01	10050
		8/4/2020 8:38	10150
		8/4/2020 19:32	10320
		8/5/2020 9:51	10230

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 10:46	3.7
		7/17/2020 16:49	3.6
		7/18/2020 19:37	3.6
		7/19/2020 10:47	3.6
		7/19/2020 18:45	3.3
		7/20/2020 8:28	2.6
		7/20/2020 14:07	2.3
		7/20/2020 19:12	2.2
		7/21/2020 8:47	2.2
		7/21/2020 13:36	2.4
		7/21/2020 18:38	2.3
		7/22/2020 9:13	2.3
		7/22/2020 13:56	2.4
		7/22/2020 19:04	2.4
		7/23/2020 9:21	2.4
		7/23/2020 20:21	2.6
		7/24/2020 9:48	2.8
		7/24/2020 19:53	3.0
		7/25/2020 9:03	3.3
		7/25/2020 19:40	3.5
		7/26/2020 10:19	3.8
		7/26/2020 20:13	3.8
		7/27/2020 10:52	3.9
		7/27/2020 21:05	4.0
		7/28/2020 9:56	4.0
		7/28/2020 19:39	4.0
		7/29/2020 9:38	4.1
		7/29/2020 19:47	4.1
		7/30/2020 10:20	4.1
		7/30/2020 18:28	4.1
		7/31/2020 12:42	4.1
		7/31/2020 19:05	4.1
		8/1/2020 9:54	4.3
		8/1/2020 18:20	4.1
		8/2/2020 9:35	4.6
		8/2/2020 18:15	4.2
		8/3/2020 9:56	4.1
		8/3/2020 19:01	4.2
		8/4/2020 8:38	4.4
		8/4/2020 19:32	4.1
		8/5/2020 9:51	4.9

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 10:46	5526
		7/17/2020 16:49	5344
		7/18/2020 19:37	5134
		7/19/2020 10:47	5326
		7/19/2020 18:45	4842
		7/20/2020 8:28	4004
		7/20/2020 14:07	3437
		7/20/2020 19:12	3617
		7/21/2020 8:47	3623
		7/21/2020 13:36	3849
		7/21/2020 18:38	3623
		7/22/2020 9:13	3543
		7/22/2020 13:56	3454
		7/22/2020 19:04	3432
		7/23/2020 9:21	3407
		7/23/2020 20:21	3641
		7/24/2020 9:48	3713
		7/24/2020 19:53	3867
		7/25/2020 9:03	4109
		7/25/2020 19:40	4237
		7/26/2020 10:19	4382
		7/26/2020 20:13	4429
		7/27/2020 10:52	4549
		7/27/2020 21:05	4584
		7/28/2020 9:56	4828
		7/28/2020 19:39	4656
		7/29/2020 9:38	4781
		7/29/2020 19:47	4790
		7/30/2020 10:20	4858
		7/30/2020 18:28	4992
		7/31/2020 12:42	4946
		7/31/2020 19:05	4982
		8/1/2020 9:54	5125
		8/1/2020 18:20	5039
		8/2/2020 9:35	5205
		8/2/2020 18:15	5096
		8/3/2020 9:56	5125
		8/3/2020 19:01	5169
		8/4/2020 8:38	5362
		8/4/2020 19:32	5296
		8/5/2020 9:51	5343

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 10:46	0.94
		7/17/2020 16:49	0.94
		7/18/2020 19:37	0.93
		7/19/2020 10:47	0.93
		7/19/2020 18:45	0.90
		7/20/2020 8:28	0.78
		7/20/2020 14:07	0.69
		7/20/2020 19:12	0.64
		7/21/2020 8:47	0.62
		7/21/2020 13:36	0.67
		7/21/2020 18:38	0.64
		7/22/2020 9:13	0.64
		7/22/2020 13:56	0.70
		7/22/2020 19:04	0.67
		7/23/2020 9:21	0.70
		7/23/2020 20:21	0.69
		7/24/2020 9:48	0.70
		7/24/2020 19:53	0.73
		7/25/2020 9:03	0.76
		7/25/2020 19:40	0.77
		7/26/2020 10:19	0.79
		7/26/2020 20:13	0.79
		7/27/2020 10:52	0.80
		7/27/2020 21:05	0.82
		7/28/2020 9:56	0.82
		7/28/2020 19:39	0.83
		7/29/2020 9:38	0.84
		7/29/2020 19:47	0.85
		7/30/2020 10:20	0.86
		7/30/2020 18:28	0.85
		7/31/2020 12:42	0.87
		7/31/2020 19:05	0.88
		8/1/2020 9:54	0.91
		8/1/2020 18:20	0.88
		8/2/2020 9:35	0.99
		8/2/2020 18:15	0.91
		8/3/2020 9:56	0.90
		8/3/2020 19:01	0.91
		8/4/2020 8:38	0.97
		8/4/2020 19:32	0.91
		8/5/2020 9:51	1.10

Groundwater Quality Data By Parameter, Well 1005

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 10:46	0.007
		7/17/2020 16:49	0.007
		7/18/2020 19:37	0.006
		7/19/2020 10:47	0.007
		7/19/2020 18:45	0.005
		7/20/2020 8:28	0.007
		7/20/2020 14:07	0.005
		7/20/2020 19:12	0.004
		7/21/2020 8:47	0.006
		7/21/2020 13:36	0.005
		7/21/2020 18:38	0.007
		7/22/2020 9:13	0.005
		7/22/2020 13:56	0.006
		7/22/2020 19:04	0.004
		7/23/2020 9:21	0.005
		7/23/2020 20:21	0.007
		7/24/2020 9:48	0.006
		7/24/2020 19:53	0.006
		7/25/2020 9:03	0.006
		7/25/2020 19:40	0.005
		7/26/2020 10:19	0.005
		7/26/2020 20:13	0.006
		7/27/2020 10:52	0.006
		7/27/2020 21:05	0.04
		7/28/2020 9:56	0.005
		7/28/2020 19:39	0.004
		7/29/2020 9:38	0.006
		7/29/2020 19:47	0.005
		7/30/2020 10:20	0.005
		7/30/2020 18:28	0.006
		7/31/2020 12:42	0.006
		7/31/2020 19:05	0.005
		8/1/2020 9:54	0.005
		8/1/2020 18:20	0.004
		8/2/2020 9:35	0.007
		8/2/2020 18:15	0.005
		8/3/2020 9:56	0.005
		8/3/2020 19:01	0.005
		8/4/2020 8:38	0.006
		8/4/2020 19:32	0.005
		8/5/2020 9:51	0.008

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 10:58	524
		7/17/2020 16:59	536
		7/18/2020 19:46	544
		7/19/2020 10:59	520
		7/19/2020 18:53	522
		7/20/2020 8:37	562
		7/20/2020 14:14	542
		7/20/2020 19:20	578
		7/21/2020 8:54	516
		7/21/2020 18:44	516
		7/22/2020 9:23	528
		7/22/2020 19:12	532
		7/23/2020 9:26	518
		7/23/2020 20:29	518
		7/24/2020 10:02	546
		7/25/2020 9:11	514
		7/27/2020 11:07	524
		7/29/2020 11:50	514
		7/31/2020 15:08	510
		8/3/2020 12:49	464
		8/5/2020 9:59	504

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 10:58	260
		7/17/2020 16:59	259
		7/18/2020 19:46	259
		7/19/2020 10:59	260
		7/19/2020 18:53	258
		7/20/2020 8:37	268
		7/20/2020 14:14	267
		7/20/2020 19:20	266
		7/21/2020 8:54	263
		7/21/2020 18:44	258
		7/22/2020 9:23	260
		7/22/2020 19:12	258
		7/23/2020 9:26	263
		7/23/2020 20:29	261
		7/24/2020 10:02	262
		7/25/2020 9:11	262
		7/27/2020 11:07	275
		7/29/2020 11:50	262
		7/31/2020 15:08	263
		8/3/2020 12:49	281
		8/5/2020 9:59	263

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 10:58	384
		7/17/2020 16:59	384
		7/18/2020 19:46	391
		7/19/2020 10:59	392
		7/19/2020 18:53	392
		7/20/2020 8:37	393
		7/20/2020 14:14	398
		7/20/2020 19:20	401
		7/21/2020 8:54	410
		7/21/2020 18:44	394
		7/22/2020 9:23	394
		7/22/2020 19:12	395
		7/23/2020 9:26	396
		7/23/2020 20:29	401
		7/24/2020 10:02	405
		7/25/2020 9:11	398
		7/27/2020 11:07	398
		7/29/2020 11:50	393
		7/31/2020 15:08	392
		8/3/2020 12:49	395
		8/5/2020 9:59	427

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 10:58	3.0
		7/17/2020 16:59	1.3
		7/18/2020 19:46	1.1
		7/19/2020 10:59	0.8
		7/19/2020 18:53	---
		7/20/2020 8:37	0.9
		7/20/2020 14:14	---
		7/20/2020 19:20	---
		7/21/2020 8:54	1.1
		7/21/2020 18:44	---
		7/22/2020 9:23	1.2
		7/22/2020 19:12	---
		7/23/2020 9:26	---
		7/23/2020 20:29	1.5
		7/24/2020 10:02	0.7
		7/25/2020 9:11	1.5
		7/27/2020 11:07	1.2
		7/29/2020 11:50	1.2
		7/31/2020 15:08	1.6
		8/3/2020 12:49	1.3
		8/5/2020 9:59	1.2

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 10:58	----
		7/17/2020 16:59	----
		7/18/2020 19:46	----
		7/19/2020 10:59	----
		7/19/2020 18:53	----
		7/20/2020 8:37	----
		7/20/2020 14:14	----
		7/20/2020 19:20	----
		7/21/2020 8:54	----
		7/21/2020 18:44	----
		7/22/2020 9:23	----
		7/22/2020 19:12	----
		7/23/2020 9:26	----
		7/23/2020 20:29	----
		7/24/2020 10:02	----
		7/25/2020 9:11	----
		7/27/2020 11:07	----
		7/29/2020 11:50	----
		7/31/2020 15:08	----
		8/3/2020 12:49	----
		8/5/2020 9:59	----

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 10:58	0.50
		7/17/2020 16:59	0.50
		7/18/2020 19:46	0.50
		7/19/2020 10:59	0.70
		7/19/2020 18:53	0.50
		7/20/2020 8:37	0.50
		7/20/2020 14:14	0.50
		7/20/2020 19:20	0.50
		7/21/2020 8:54	0.50
		7/21/2020 18:44	0.50
		7/22/2020 9:23	0.50
		7/22/2020 19:12	0.50
		7/23/2020 9:26	0.50
		7/23/2020 20:29	0.50
		7/24/2020 10:02	0.50
		7/25/2020 9:11	0.50
		7/27/2020 11:07	0.50
		7/29/2020 11:50	0.50
		7/31/2020 15:08	0.50
		8/3/2020 12:49	0.50
		8/5/2020 9:59	0.50

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 10:58	0.094
		7/17/2020 16:59	0.099
		7/18/2020 19:46	0.089
		7/19/2020 10:59	0.06
		7/19/2020 18:53	0.178
		7/20/2020 8:37	0.071
		7/20/2020 14:14	0.081
		7/20/2020 19:20	0.087
		7/21/2020 8:54	0.07
		7/21/2020 18:44	0.064
		7/22/2020 9:23	0.064
		7/22/2020 19:12	0.066
		7/23/2020 9:26	0.065
		7/23/2020 20:29	0.088
		7/24/2020 10:02	0.081
		7/25/2020 9:11	0.079
		7/27/2020 11:07	0.101
		7/29/2020 11:50	0.396
		7/31/2020 15:08	0.413
		8/3/2020 12:49	0.004
		8/5/2020 9:59	-0.012

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 10:58	293
		7/17/2020 16:59	293
		7/18/2020 19:46	294
		7/19/2020 10:59	298
		7/19/2020 18:53	300
		7/20/2020 8:37	303
		7/20/2020 14:14	302
		7/20/2020 19:20	307
		7/21/2020 8:54	298
		7/21/2020 18:44	293
		7/22/2020 9:23	299
		7/22/2020 19:12	294
		7/23/2020 9:26	299
		7/23/2020 20:29	300
		7/24/2020 10:02	298
		7/25/2020 9:11	302
		7/27/2020 11:07	314
		7/29/2020 11:50	295
		7/31/2020 15:08	292
		8/3/2020 12:49	314
		8/5/2020 9:59	291

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 10:58	0.928
		7/17/2020 16:59	0.921
		7/18/2020 19:46	0.821
		7/19/2020 10:59	0.784
		7/19/2020 18:53	0.811
		7/20/2020 8:37	0.833
		7/20/2020 14:14	0.834
		7/20/2020 19:20	0.841
		7/21/2020 8:54	0.853
		7/21/2020 18:44	0.819
		7/22/2020 9:23	0.856
		7/22/2020 19:12	0.826
		7/23/2020 9:26	0.809
		7/23/2020 20:29	0.85
		7/24/2020 10:02	0.878
		7/25/2020 9:11	0.875
		7/27/2020 11:07	0.916
		7/29/2020 11:50	0.909
		7/31/2020 15:08	0.927
		8/3/2020 12:49	1.017
		8/5/2020 9:59	0.951

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 10:58	0.402
		7/17/2020 16:59	0.405
		7/18/2020 19:46	0.406
		7/19/2020 10:59	0.391
		7/19/2020 18:53	0.399
		7/20/2020 8:37	0.399
		7/20/2020 14:14	0.397
		7/20/2020 19:20	0.411
		7/21/2020 8:54	0.401
		7/21/2020 18:44	0.397
		7/22/2020 9:23	0.406
		7/22/2020 19:12	0.399
		7/23/2020 9:26	0.39
		7/23/2020 20:29	0.392
		7/24/2020 10:02	0.387
		7/25/2020 9:11	0.394
		7/27/2020 11:07	0.41
		7/29/2020 11:50	0.4
		7/31/2020 15:08	0.395
		8/3/2020 12:49	0.441
		8/5/2020 9:59	0.397

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 10:58	0.5
		7/17/2020 16:59	0.5
		7/18/2020 19:46	0.5
		7/19/2020 10:59	0.5
		7/19/2020 18:53	0.5
		7/20/2020 8:37	0.5
		7/20/2020 14:14	0.5
		7/20/2020 19:20	0.5
		7/21/2020 8:54	0.5
		7/21/2020 18:44	0.5
		7/22/2020 9:23	0.5
		7/22/2020 19:12	0.5
		7/23/2020 9:26	0.5
		7/23/2020 20:29	0.5
		7/24/2020 10:02	0.5
		7/25/2020 9:11	0.5
		7/27/2020 11:07	0.5
		7/29/2020 11:50	0.5
		7/31/2020 15:08	0.5
		8/3/2020 12:49	0.5
		8/5/2020 9:59	0.5

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 10:58	132.8
		7/17/2020 16:59	-16.5
		7/18/2020 19:46	-7.6
		7/19/2020 10:59	122.2
		7/19/2020 18:53	165.1
		7/20/2020 8:37	124.3
		7/20/2020 14:14	134.1
		7/20/2020 19:20	101
		7/21/2020 8:54	160.4
		7/21/2020 18:44	96.1
		7/22/2020 9:23	130.8
		7/22/2020 19:12	147.1
		7/23/2020 9:26	158.9
		7/23/2020 20:29	98.4
		7/24/2020 10:02	82
		7/25/2020 9:11	79.5
		7/27/2020 11:07	132.5
		7/29/2020 11:50	102.4
		7/31/2020 15:08	152
		8/3/2020 12:49	154.4
		8/5/2020 9:59	163.8

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 10:58	0.10
		7/17/2020 16:59	0.11
		7/18/2020 19:46	0.10
		7/19/2020 10:59	0.77
		7/19/2020 18:53	0.21
		7/20/2020 8:37	0.10
		7/20/2020 14:14	0.10
		7/20/2020 19:20	0.10
		7/21/2020 8:54	0.10
		7/21/2020 18:44	0.10
		7/22/2020 9:23	0.10
		7/22/2020 19:12	0.10
		7/23/2020 9:26	0.10
		7/23/2020 20:29	0.31
		7/24/2020 10:02	0.26
		7/25/2020 9:11	0.17
		7/27/2020 11:07	0.16
		7/29/2020 11:50	0.20
		7/31/2020 15:08	0.20
		8/3/2020 12:49	0.20
		8/5/2020 9:59	0.20

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 10:58	7.06
		7/17/2020 16:59	7.15
		7/18/2020 19:46	7.18
		7/19/2020 10:59	7.16
		7/19/2020 18:53	7.14
		7/20/2020 8:37	7.14
		7/20/2020 14:14	7.11
		7/20/2020 19:20	7.16
		7/21/2020 8:54	7.14
		7/21/2020 18:44	7.17
		7/22/2020 9:23	7.12
		7/22/2020 19:12	7.05
		7/23/2020 9:26	7.18
		7/23/2020 20:29	7.02
		7/24/2020 10:02	7.17
		7/25/2020 9:11	7.19
		7/27/2020 11:07	7.12
		7/29/2020 11:50	7.10
		7/31/2020 15:08	7.16
		8/3/2020 12:49	7.28
		8/5/2020 9:59	7.14

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 10:58	17
		7/17/2020 16:59	17
		7/18/2020 19:46	17
		7/19/2020 10:59	17
		7/19/2020 18:53	17
		7/20/2020 8:37	18
		7/20/2020 14:14	19
		7/20/2020 19:20	18
		7/21/2020 8:54	18
		7/21/2020 18:44	17
		7/22/2020 9:23	19
		7/22/2020 19:12	18
		7/23/2020 9:26	17
		7/23/2020 20:29	17
		7/24/2020 10:02	18
		7/25/2020 9:11	18
		7/27/2020 11:07	20
		7/29/2020 11:50	17
		7/31/2020 15:08	19
		8/3/2020 12:49	28
		8/5/2020 9:59	16

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 10:58	<DL
		7/17/2020 16:59	<DL
		7/18/2020 19:46	<DL
		7/19/2020 10:59	<DL
		7/19/2020 18:53	<DL
		7/20/2020 8:37	<DL
		7/20/2020 14:14	<DL
		7/20/2020 19:20	<DL
		7/21/2020 8:54	<DL
		7/21/2020 18:44	<DL
		7/22/2020 9:23	<DL
		7/22/2020 19:12	<DL
		7/23/2020 9:26	<DL
		7/23/2020 20:29	<DL
		7/24/2020 10:02	<DL
		7/25/2020 9:11	<DL
		7/27/2020 11:07	<DL
		7/29/2020 11:50	<DL
		7/31/2020 15:08	<DL
		8/3/2020 12:49	<DL
		8/5/2020 9:59	<DL

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 10:58	2044
		7/17/2020 16:59	2047
		7/18/2020 19:46	2048
		7/19/2020 10:59	2075
		7/19/2020 18:53	2084
		7/20/2020 8:37	2108
		7/20/2020 14:14	2099
		7/20/2020 19:20	2119
		7/21/2020 8:54	2070
		7/21/2020 18:44	2039
		7/22/2020 9:23	2064
		7/22/2020 19:12	2022
		7/23/2020 9:26	2083
		7/23/2020 20:29	2073
		7/24/2020 10:02	2037
		7/25/2020 9:11	2056
		7/27/2020 11:07	2169
		7/29/2020 11:50	2044
		7/31/2020 15:08	2029
		8/3/2020 12:49	2178
		8/5/2020 9:59	2014

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 10:58	9900
		7/17/2020 16:59	9650
		7/18/2020 19:46	9900
		7/19/2020 10:59	10020
		7/19/2020 18:53	9980
		7/20/2020 8:37	9920
		7/20/2020 14:14	9890
		7/20/2020 19:20	9850
		7/21/2020 8:54	10040
		7/21/2020 18:44	10020
		7/22/2020 9:23	9960
		7/22/2020 19:12	9840
		7/23/2020 9:26	10110
		7/23/2020 20:29	10160
		7/24/2020 10:02	10190
		7/25/2020 9:11	10200
		7/27/2020 11:07	10200
		7/29/2020 11:50	10140
		7/31/2020 15:08	10050
		8/3/2020 12:49	9970
		8/5/2020 9:59	10020

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 10:58	3.733
		7/17/2020 16:59	3.786
		7/18/2020 19:46	3.788
		7/19/2020 10:59	3.755
		7/19/2020 18:53	3.833
		7/20/2020 8:37	3.856
		7/20/2020 14:14	3.842
		7/20/2020 19:20	3.953
		7/21/2020 8:54	3.824
		7/21/2020 18:44	3.822
		7/22/2020 9:23	3.793
		7/22/2020 19:12	3.782
		7/23/2020 9:26	3.805
		7/23/2020 20:29	3.786
		7/24/2020 10:02	3.851
		7/25/2020 9:11	3.941
		7/27/2020 11:07	4.008
		7/29/2020 11:50	3.795
		7/31/2020 15:08	3.802
		8/3/2020 12:49	4.099
		8/5/2020 9:59	3.808

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 10:58	5053
		7/17/2020 16:59	4992
		7/18/2020 19:46	5082
		7/19/2020 10:59	5093
		7/19/2020 18:53	5186
		7/20/2020 8:37	5281
		7/20/2020 14:14	5157
		7/20/2020 19:20	5418
		7/21/2020 8:54	5032
		7/21/2020 18:44	5095
		7/22/2020 9:23	5081
		7/22/2020 19:12	5260
		7/23/2020 9:26	5111
		7/23/2020 20:29	5186
		7/24/2020 10:02	5232
		7/25/2020 9:11	5113
		7/27/2020 11:07	5104
		7/29/2020 11:50	5047
		7/31/2020 15:08	5022
		8/3/2020 12:49	5067
		8/5/2020 9:59	5230

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 10:58	0.987
		7/17/2020 16:59	0.99
		7/18/2020 19:46	0.987
		7/19/2020 10:59	0.977
		7/19/2020 18:53	0.988
		7/20/2020 8:37	0.998
		7/20/2020 14:14	0.987
		7/20/2020 19:20	1.006
		7/21/2020 8:54	0.983
		7/21/2020 18:44	0.974
		7/22/2020 9:23	0.979
		7/22/2020 19:12	0.971
		7/23/2020 9:26	0.993
		7/23/2020 20:29	0.986
		7/24/2020 10:02	0.99
		7/25/2020 9:11	1.012
		7/27/2020 11:07	1.033
		7/29/2020 11:50	1.001
		7/31/2020 15:08	0.993
		8/3/2020 12:49	1.064
		8/5/2020 9:59	0.991

Groundwater Quality Data By Parameter, Well 1006

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 10:58	0.004
		7/17/2020 16:59	0.006
		7/18/2020 19:46	0.005
		7/19/2020 10:59	0.005
		7/19/2020 18:53	0.006
		7/20/2020 8:37	0.005
		7/20/2020 14:14	0.004
		7/20/2020 19:20	0.004
		7/21/2020 8:54	0.004
		7/21/2020 18:44	0.003
		7/22/2020 9:23	0.003
		7/22/2020 19:12	0.069
		7/23/2020 9:26	0.005
		7/23/2020 20:29	0.003
		7/24/2020 10:02	0.005
		7/25/2020 9:11	0.004
		7/27/2020 11:07	0.004
		7/29/2020 11:50	0.004
		7/31/2020 15:08	0.003
		8/3/2020 12:49	0.004
		8/5/2020 9:59	0.004

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 11:11	580
		7/17/2020 17:07	570
		7/20/2020 8:46	548
		7/21/2020 18:52	512
		7/23/2020 9:43	516
		7/25/2020 9:22	516
		7/27/2020 11:25	518
		7/29/2020 12:33	506
		7/31/2020 15:30	512
		8/3/2020 13:13	508
		8/5/2020 10:05	512

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 11:11	392
		7/17/2020 17:07	392
		7/20/2020 8:46	393
		7/21/2020 18:52	393
		7/23/2020 9:43	395
		7/25/2020 9:22	394
		7/27/2020 11:25	407
		7/29/2020 12:33	402
		7/31/2020 15:30	403
		8/3/2020 13:13	398
		8/5/2020 10:05	403

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 11:11	404
		7/17/2020 17:07	399
		7/20/2020 8:46	397
		7/21/2020 18:52	394
		7/23/2020 9:43	397
		7/25/2020 9:22	393
		7/27/2020 11:25	390
		7/29/2020 12:33	394
		7/31/2020 15:30	394
		8/3/2020 13:13	405
		8/5/2020 10:05	415

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 11:11	0.9
		7/17/2020 17:07	0.7
		7/20/2020 8:46	1.3
		7/21/2020 18:52	1.5
		7/23/2020 9:43	0.9
		7/25/2020 9:22	1.1
		7/27/2020 11:25	0.8
		7/29/2020 12:33	0.9
		7/31/2020 15:30	1.0
		8/3/2020 13:13	0.9
		8/5/2020 10:05	1.1

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 11:11	---
		7/17/2020 17:07	---
		7/20/2020 8:46	---
		7/21/2020 18:52	---
		7/23/2020 9:43	---
		7/25/2020 9:22	---
		7/27/2020 11:25	---
		7/29/2020 12:33	---
		7/31/2020 15:30	---
		8/3/2020 13:13	---
		8/5/2020 10:05	---

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 11:11	0.50
		7/17/2020 17:07	0.50
		7/20/2020 8:46	0.50
		7/21/2020 18:52	0.50
		7/23/2020 9:43	0.50
		7/25/2020 9:22	0.50
		7/27/2020 11:25	0.50
		7/29/2020 12:33	0.50
		7/31/2020 15:30	0.50
		8/3/2020 13:13	0.50
		8/5/2020 10:05	0.50

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 11:11	0.544
		7/17/2020 17:07	0.489
		7/20/2020 8:46	0.572
		7/21/2020 18:52	0.375
		7/23/2020 9:43	0.336
		7/25/2020 9:22	0.571
		7/27/2020 11:25	0.527
		7/29/2020 12:33	0.322
		7/31/2020 15:30	0.195
		8/3/2020 13:13	0.152
		8/5/2020 10:05	0.162

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 11:11	279
		7/17/2020 17:07	276
		7/20/2020 8:46	312
		7/21/2020 18:52	272
		7/23/2020 9:43	269
		7/25/2020 9:22	298
		7/27/2020 11:25	281
		7/29/2020 12:33	275
		7/31/2020 15:30	278
		8/3/2020 13:13	327
		8/5/2020 10:05	283

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 11:11	0.793
		7/17/2020 17:07	0.785
		7/20/2020 8:46	0.868
		7/21/2020 18:52	0.752
		7/23/2020 9:43	0.725
		7/25/2020 9:22	0.832
		7/27/2020 11:25	0.788
		7/29/2020 12:33	0.753
		7/31/2020 15:30	0.748
		8/3/2020 13:13	0.886
		8/5/2020 10:05	0.739

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 11:11	0.408
		7/17/2020 17:07	0.411
		7/20/2020 8:46	0.453
		7/21/2020 18:52	0.416
		7/23/2020 9:43	0.417
		7/25/2020 9:22	0.449
		7/27/2020 11:25	0.421
		7/29/2020 12:33	0.415
		7/31/2020 15:30	0.412
		8/3/2020 13:13	0.492
		8/5/2020 10:05	0.433

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 11:11	0.5
		7/17/2020 17:07	0.5
		7/20/2020 8:46	0.5
		7/21/2020 18:52	0.5
		7/23/2020 9:43	0.5
		7/25/2020 9:22	0.5
		7/27/2020 11:25	0.5
		7/29/2020 12:33	0.5
		7/31/2020 15:30	0.5
		8/3/2020 13:13	0.5
		8/5/2020 10:05	0.5

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 11:11	-402
		7/17/2020 17:07	-196.4
		7/20/2020 8:46	-121.3
		7/21/2020 18:52	-49
		7/23/2020 9:43	-17.7
		7/25/2020 9:22	70
		7/27/2020 11:25	78.1
		7/29/2020 12:33	107.3
		7/31/2020 15:30	79.8
		8/3/2020 13:13	107.6
		8/5/2020 10:05	108.8

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 11:11	0.10
		7/17/2020 17:07	0.10
		7/20/2020 8:46	0.10
		7/21/2020 18:52	0.10
		7/23/2020 9:43	0.10
		7/25/2020 9:22	0.13
		7/27/2020 11:25	0.12
		7/29/2020 12:33	0.20
		7/31/2020 15:30	0.20
		8/3/2020 13:13	0.20
		8/5/2020 10:05	0.20

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 11:11	7.03
		7/17/2020 17:07	7.19
		7/20/2020 8:46	7.14
		7/21/2020 18:52	7.16
		7/23/2020 9:43	7.07
		7/25/2020 9:22	7.17
		7/27/2020 11:25	7.21
		7/29/2020 12:33	7.09
		7/31/2020 15:30	7.23
		8/3/2020 13:13	7.27
		8/5/2020 10:05	7.15

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 11:11	20
		7/17/2020 17:07	19
		7/20/2020 8:46	24
		7/21/2020 18:52	19
		7/23/2020 9:43	19
		7/25/2020 9:22	22
		7/27/2020 11:25	21
		7/29/2020 12:33	21
		7/31/2020 15:30	20
		8/3/2020 13:13	23
		8/5/2020 10:05	21

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 11:11	0.013
		7/17/2020 17:07	0.006
		7/20/2020 8:46	0.007
		7/21/2020 18:52	0.032
		7/23/2020 9:43	0.019
		7/25/2020 9:22	0.007
		7/27/2020 11:25	0
		7/29/2020 12:33	0.02
		7/31/2020 15:30	0.013
		8/3/2020 13:13	0.013
		8/5/2020 10:05	0.033

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 11:11	2022
		7/17/2020 17:07	1998
		7/20/2020 8:46	2232
		7/21/2020 18:52	1947
		7/23/2020 9:43	1925
		7/25/2020 9:22	2123
		7/27/2020 11:25	1988
		7/29/2020 12:33	1941
		7/31/2020 15:30	1979
		8/3/2020 13:13	2352
		8/5/2020 10:05	2029

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 11:11	10120
		7/17/2020 17:07	9960
		7/20/2020 8:46	9790
		7/21/2020 18:52	9870
		7/23/2020 9:43	9990
		7/25/2020 9:22	9970
		7/27/2020 11:25	10020
		7/29/2020 12:33	10160
		7/31/2020 15:30	10140
		8/3/2020 13:13	10121
		8/5/2020 10:05	10020

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 11:11	3.77
		7/17/2020 17:07	3.77
		7/20/2020 8:46	4.15
		7/21/2020 18:52	3.73
		7/23/2020 9:43	3.75
		7/25/2020 9:22	4.11
		7/27/2020 11:25	3.90
		7/29/2020 12:33	3.88
		7/31/2020 15:30	3.83
		8/3/2020 13:13	4.53
		8/5/2020 10:05	3.88

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 11:11	5115
		7/17/2020 17:07	5286
		7/20/2020 8:46	5096
		7/21/2020 18:52	5208
		7/23/2020 9:43	5145
		7/25/2020 9:22	5066
		7/27/2020 11:25	5055
		7/29/2020 12:33	5059
		7/31/2020 15:30	5111
		8/3/2020 13:13	5287
		8/5/2020 10:05	5376

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 11:11	0.955
		7/17/2020 17:07	0.959
		7/20/2020 8:46	1.05
		7/21/2020 18:52	0.936
		7/23/2020 9:43	0.943
		7/25/2020 9:22	1.04
		7/27/2020 11:25	0.963
		7/29/2020 12:33	0.963
		7/31/2020 15:30	0.965
		8/3/2020 13:13	1.14
		8/5/2020 10:05	0.977

Groundwater Quality Data By Parameter, Well 1007

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 11:11	0.011
		7/17/2020 17:07	0.011
		7/20/2020 8:46	0.018
		7/21/2020 18:52	0.009
		7/23/2020 9:43	0.009
		7/25/2020 9:22	0.01
		7/27/2020 11:25	0.011
		7/29/2020 12:33	0.01
		7/31/2020 15:30	0.01
		8/3/2020 13:13	0.012
		8/5/2020 10:05	0.011

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 11:25	576
		7/17/2020 17:19	590
		7/20/2020 9:22	576
		7/22/2020 19:00	524
		7/23/2020 9:56	524
		7/25/2020 9:30	522
		7/27/2020 11:41	526
		7/29/2020 12:53	516
		7/31/2020 15:46	516
		8/3/2020 13:30	512
		8/5/2020 10:12	510

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 11:25	251
		7/17/2020 17:19	258
		7/20/2020 9:22	245
		7/22/2020 19:00	252
		7/23/2020 9:56	261
		7/25/2020 9:30	247
		7/27/2020 11:41	251
		7/29/2020 12:53	246
		7/31/2020 15:46	245
		8/3/2020 13:30	236
		8/5/2020 10:12	241

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 11:25	406
		7/17/2020 17:19	410
		7/20/2020 9:22	407
		7/22/2020 19:00	405
		7/23/2020 9:56	405
		7/25/2020 9:30	416
		7/27/2020 11:41	397
		7/29/2020 12:53	390
		7/31/2020 15:46	390
		8/3/2020 13:30	391
		8/5/2020 10:12	420

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 11:25	1.3
		7/17/2020 17:19	1.5
		7/20/2020 9:22	1.1
		7/22/2020 19:00	1.1
		7/23/2020 9:56	1.1
		7/25/2020 9:30	0.7
		7/27/2020 11:41	1.5
		7/29/2020 12:53	1.7
		7/31/2020 15:46	1.1
		8/3/2020 13:30	0.5
		8/5/2020 10:12	1.3

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 11:25	---
		7/17/2020 17:19	---
		7/20/2020 9:22	---
		7/22/2020 19:00	---
		7/23/2020 9:56	---
		7/25/2020 9:30	---
		7/27/2020 11:41	---
		7/29/2020 12:53	---
		7/31/2020 15:46	---
		8/3/2020 13:30	---
		8/5/2020 10:12	---

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 11:25	0.50
		7/17/2020 17:19	0.50
		7/20/2020 9:22	0.50
		7/22/2020 19:00	0.50
		7/23/2020 9:56	0.50
		7/25/2020 9:30	0.50
		7/27/2020 11:41	0.50
		7/29/2020 12:53	0.50
		7/31/2020 15:46	0.50
		8/3/2020 13:30	0.50
		8/5/2020 10:12	0.50

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 11:25	1.068
		7/17/2020 17:19	1.028
		7/20/2020 9:22	0.633
		7/22/2020 19:00	0.599
		7/23/2020 9:56	0.604
		7/25/2020 9:30	0.396
		7/27/2020 11:41	0.379
		7/29/2020 12:53	0.289
		7/31/2020 15:46	0.206
		8/3/2020 13:30	0.124
		8/5/2020 10:12	0.207

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 11:25	287
		7/17/2020 17:19	287
		7/20/2020 9:22	281
		7/22/2020 19:00	281
		7/23/2020 9:56	290
		7/25/2020 9:30	277
		7/27/2020 11:41	276
		7/29/2020 12:53	265
		7/31/2020 15:46	262
		8/3/2020 13:30	262
		8/5/2020 10:12	263

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 11:25	0.781
		7/17/2020 17:19	0.793
		7/20/2020 9:22	0.774
		7/22/2020 19:00	0.767
		7/23/2020 9:56	0.803
		7/25/2020 9:30	0.74
		7/27/2020 11:41	0.784
		7/29/2020 12:53	0.756
		7/31/2020 15:46	0.76
		8/3/2020 13:30	0.746
		8/5/2020 10:12	0.779

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 11:25	0.39
		7/17/2020 17:19	0.395
		7/20/2020 9:22	0.408
		7/22/2020 19:00	0.409
		7/23/2020 9:56	0.419
		7/25/2020 9:30	0.407
		7/27/2020 11:41	0.416
		7/29/2020 12:53	0.41
		7/31/2020 15:46	0.41
		8/3/2020 13:30	0.416
		8/5/2020 10:12	0.409

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 11:25	0.5
		7/17/2020 17:19	0.5
		7/20/2020 9:22	0.5
		7/22/2020 19:00	0.5
		7/23/2020 9:56	0.5
		7/25/2020 9:30	0.5
		7/27/2020 11:41	0.5
		7/29/2020 12:53	0.5
		7/31/2020 15:46	0.5
		8/3/2020 13:30	0.5
		8/5/2020 10:12	0.5

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 11:25	-244
		7/17/2020 17:19	-172.5
		7/20/2020 9:22	-22.5
		7/22/2020 19:00	-14.3
		7/23/2020 9:56	-8.6
		7/25/2020 9:30	57.9
		7/27/2020 11:41	48
		7/29/2020 12:53	55
		7/31/2020 15:46	47.8
		8/3/2020 13:30	106.1
		8/5/2020 10:12	86.2

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 11:25	0.10
		7/17/2020 17:19	0.10
		7/20/2020 9:22	0.10
		7/22/2020 19:00	0.10
		7/23/2020 9:56	0.10
		7/25/2020 9:30	0.10
		7/27/2020 11:41	0.10
		7/29/2020 12:53	0.20
		7/31/2020 15:46	0.20
		8/3/2020 13:30	0.20
		8/5/2020 10:12	0.20

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 11:25	7.04
		7/17/2020 17:19	7.17
		7/20/2020 9:22	7.12
		7/22/2020 19:00	7.16
		7/23/2020 9:56	7.07
		7/25/2020 9:30	7.22
		7/27/2020 11:41	7.14
		7/29/2020 12:53	7.13
		7/31/2020 15:46	7.19
		8/3/2020 13:30	7.28
		8/5/2020 10:12	7.16

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 11:25	18
		7/17/2020 17:19	18
		7/20/2020 9:22	18
		7/22/2020 19:00	18
		7/23/2020 9:56	20
		7/25/2020 9:30	17
		7/27/2020 11:41	18
		7/29/2020 12:53	17
		7/31/2020 15:46	17
		8/3/2020 13:30	17
		8/5/2020 10:12	17

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 11:25	0.019
		7/17/2020 17:19	0.012
		7/20/2020 9:22	0.013
		7/22/2020 19:00	0.013
		7/23/2020 9:56	0.013
		7/25/2020 9:30	0.006
		7/27/2020 11:41	0.013
		7/29/2020 12:53	0.013
		7/31/2020 15:46	0
		8/3/2020 13:30	0.006
		8/5/2020 10:12	0

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 11:25	2017
		7/17/2020 17:19	2015
		7/20/2020 9:22	1977
		7/22/2020 19:00	1992
		7/23/2020 9:56	2053
		7/25/2020 9:30	1958
		7/27/2020 11:41	1969
		7/29/2020 12:53	1914
		7/31/2020 15:46	1914
		8/3/2020 13:30	1913
		8/5/2020 10:12	1908

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 11:25	10280
		7/17/2020 17:19	10070
		7/20/2020 9:22	9960
		7/22/2020 19:00	10120
		7/23/2020 9:56	10230
		7/25/2020 9:30	10200
		7/27/2020 11:41	10240
		7/29/2020 12:53	10100
		7/31/2020 15:46	10020
		8/3/2020 13:30	10080
		8/5/2020 10:12	9960

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 11:25	3.8
		7/17/2020 17:19	3.9
		7/20/2020 9:22	3.8
		7/22/2020 19:00	3.8
		7/23/2020 9:56	3.9
		7/25/2020 9:30	3.8
		7/27/2020 11:41	3.8
		7/29/2020 12:53	3.7
		7/31/2020 15:46	3.6
		8/3/2020 13:30	3.6
		8/5/2020 10:12	3.6

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 11:25	5216
		7/17/2020 17:19	5234
		7/20/2020 9:22	5230
		7/22/2020 19:00	5243
		7/23/2020 9:56	5372
		7/25/2020 9:30	5458
		7/27/2020 11:41	5216
		7/29/2020 12:53	5335
		7/31/2020 15:46	5090
		8/3/2020 13:30	5134
		8/5/2020 10:12	5133

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 11:25	0.898
		7/17/2020 17:19	0.919
		7/20/2020 9:22	0.924
		7/22/2020 19:00	0.93
		7/23/2020 9:56	0.961
		7/25/2020 9:30	0.936
		7/27/2020 11:41	0.927
		7/29/2020 12:53	0.908
		7/31/2020 15:46	0.906
		8/3/2020 13:30	0.899
		8/5/2020 10:12	0.901

Groundwater Quality Data By Parameter, Well 1008

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 11:25	0.006
		7/17/2020 17:19	0.008
		7/20/2020 9:22	0.008
		7/22/2020 19:00	0.007
		7/23/2020 9:56	0.007
		7/25/2020 9:30	0.007
		7/27/2020 11:41	0.008
		7/29/2020 12:53	0.007
		7/31/2020 15:46	0.008
		8/3/2020 13:30	0.007
		8/5/2020 10:12	0.008

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 11:35	586
		7/17/2020 17:31	564
		7/19/2020 19:03	514
		7/20/2020 9:31	520
		7/20/2020 19:28	548
		7/21/2020 9:02	512
		7/21/2020 19:05	516
		7/22/2020 9:33	514
		7/22/2020 19:20	536
		7/23/2020 10:07	516
		7/23/2020 20:36	520
		7/24/2020 10:13	518
		7/25/2020 9:38	514
		7/27/2020 11:59	522
		7/29/2020 13:11	526
		7/31/2020 16:04	486
		8/3/2020 13:49	504
		8/5/2020 10:18	512

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 11:35	261.515
		7/17/2020 17:31	259.956
		7/19/2020 19:03	256.094
		7/20/2020 9:31	256.961
		7/20/2020 19:28	252.907
		7/21/2020 9:02	255.439
		7/21/2020 19:05	258.13
		7/22/2020 9:33	----
		7/22/2020 19:20	261.222
		7/23/2020 10:07	257
		7/23/2020 20:36	254.86
		7/24/2020 10:13	265.72
		7/25/2020 9:38	262.664
		7/27/2020 11:59	265.769
		7/29/2020 13:11	263.737
		7/31/2020 16:04	260.993
		8/3/2020 13:49	264.774
		8/5/2020 10:18	262.329

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 11:35	392
		7/17/2020 17:31	391
		7/19/2020 19:03	389
		7/20/2020 9:31	394
		7/20/2020 19:28	389
		7/21/2020 9:02	389
		7/21/2020 19:05	388
		7/22/2020 9:33	386
		7/22/2020 19:20	387
		7/23/2020 10:07	388
		7/23/2020 20:36	395
		7/24/2020 10:13	399
		7/25/2020 9:38	395
		7/27/2020 11:59	390
		7/29/2020 13:11	389
		7/31/2020 16:04	387
		8/3/2020 13:49	387
		8/5/2020 10:18	424

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 11:35	1.8
		7/17/2020 17:31	0.9
		7/19/2020 19:03	0.8
		7/20/2020 9:31	1.5
		7/20/2020 19:28	---
		7/21/2020 9:02	1.6
		7/21/2020 19:05	---
		7/22/2020 9:33	1.2
		7/22/2020 19:20	---
		7/23/2020 10:07	0.6
		7/23/2020 20:36	---
		7/24/2020 10:13	0.8
		7/25/2020 9:38	1.2
		7/27/2020 11:59	1.7
		7/29/2020 13:11	0.9
		7/31/2020 16:04	1.8
		8/3/2020 13:49	0.7
		8/5/2020 10:18	1.3

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 11:35	---
		7/17/2020 17:31	---
		7/19/2020 19:03	---
		7/20/2020 9:31	---
		7/20/2020 19:28	---
		7/21/2020 9:02	---
		7/21/2020 19:05	---
		7/22/2020 9:33	---
		7/22/2020 19:20	---
		7/23/2020 10:07	---
		7/23/2020 20:36	---
		7/24/2020 10:13	---
		7/25/2020 9:38	---
		7/27/2020 11:59	---
		7/29/2020 13:11	---
		7/31/2020 16:04	---
		8/3/2020 13:49	---
		8/5/2020 10:18	---

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 11:35	0.50
		7/17/2020 17:31	0.50
		7/19/2020 19:03	0.50
		7/20/2020 9:31	0.50
		7/20/2020 19:28	0.50
		7/21/2020 9:02	0.50
		7/21/2020 19:05	0.50
		7/22/2020 9:33	0.50
		7/22/2020 19:20	0.50
		7/23/2020 10:07	0.50
		7/23/2020 20:36	0.50
		7/24/2020 10:13	0.50
		7/25/2020 9:38	0.50
		7/27/2020 11:59	0.50
		7/29/2020 13:11	0.50
		7/31/2020 16:04	0.50
		8/3/2020 13:49	0.50
		8/5/2020 10:18	0.50

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 11:35	0.769
		7/17/2020 17:31	0.53
		7/19/2020 19:03	0.533
		7/20/2020 9:31	0.355
		7/20/2020 19:28	0.315
		7/21/2020 9:02	0.284
		7/21/2020 19:05	0.265
		7/22/2020 9:33	----
		7/22/2020 19:20	0.235
		7/23/2020 10:07	0.211
		7/23/2020 20:36	0.152
		7/24/2020 10:13	0.16
		7/25/2020 9:38	0.133
		7/27/2020 11:59	0.174
		7/29/2020 13:11	1.155
		7/31/2020 16:04	0.02
		8/3/2020 13:49	-0.092
		8/5/2020 10:18	-0.032

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 11:35	299.852
		7/17/2020 17:31	295.198
		7/19/2020 19:03	293.742
		7/20/2020 9:31	294.766
		7/20/2020 19:28	290.211
		7/21/2020 9:02	290.874
		7/21/2020 19:05	292.052
		7/22/2020 9:33	----
		7/22/2020 19:20	294.157
		7/23/2020 10:07	289.29
		7/23/2020 20:36	291.739
		7/24/2020 10:13	304.275
		7/25/2020 9:38	294.41
		7/27/2020 11:59	305.908
		7/29/2020 13:11	298.941
		7/31/2020 16:04	294.136
		8/3/2020 13:49	297.585
		8/5/2020 10:18	292.885

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 11:35	1.056
		7/17/2020 17:31	1.034
		7/19/2020 19:03	1.018
		7/20/2020 9:31	1.022
		7/20/2020 19:28	1.015
		7/21/2020 9:02	0.999
		7/21/2020 19:05	0.999
		7/22/2020 9:33	----
		7/22/2020 19:20	1.019
		7/23/2020 10:07	0.988
		7/23/2020 20:36	1
		7/24/2020 10:13	1.042
		7/25/2020 9:38	0.987
		7/27/2020 11:59	1.036
		7/29/2020 13:11	1.04
		7/31/2020 16:04	1.015
		8/3/2020 13:49	1.025
		8/5/2020 10:18	1.025

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 11:35	0.397
		7/17/2020 17:31	0.395
		7/19/2020 19:03	0.403
		7/20/2020 9:31	0.398
		7/20/2020 19:28	0.399
		7/21/2020 9:02	0.406
		7/21/2020 19:05	0.402
		7/22/2020 9:33	----
		7/22/2020 19:20	0.402
		7/23/2020 10:07	0.394
		7/23/2020 20:36	0.399
		7/24/2020 10:13	0.41
		7/25/2020 9:38	0.394
		7/27/2020 11:59	0.405
		7/29/2020 13:11	0.4
		7/31/2020 16:04	0.398
		8/3/2020 13:49	0.415
		8/5/2020 10:18	0.413

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 11:35	0.5
		7/17/2020 17:31	0.5
		7/19/2020 19:03	0.5
		7/20/2020 9:31	0.5
		7/20/2020 19:28	0.5
		7/21/2020 9:02	0.5
		7/21/2020 19:05	0.5
		7/22/2020 9:33	0.5
		7/22/2020 19:20	0.5
		7/23/2020 10:07	0.5
		7/23/2020 20:36	0.5
		7/24/2020 10:13	0.5
		7/25/2020 9:38	0.5
		7/27/2020 11:59	0.5
		7/29/2020 13:11	0.5
		7/31/2020 16:04	0.5
		8/3/2020 13:49	0.5
		8/5/2020 10:18	0.5

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 11:35	-268
		7/17/2020 17:31	-167
		7/19/2020 19:03	-118.1
		7/20/2020 9:31	-66.9
		7/20/2020 19:28	-45.5
		7/21/2020 9:02	-18.5
		7/21/2020 19:05	-15.6
		7/22/2020 9:33	16.2
		7/22/2020 19:20	3.1
		7/23/2020 10:07	1.6
		7/23/2020 20:36	70.1
		7/24/2020 10:13	44.9
		7/25/2020 9:38	50.8
		7/27/2020 11:59	55.3
		7/29/2020 13:11	57.7
		7/31/2020 16:04	83.2
		8/3/2020 13:49	126
		8/5/2020 10:18	101.3

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 11:35	0.10
		7/17/2020 17:31	0.10
		7/19/2020 19:03	0.10
		7/20/2020 9:31	0.10
		7/20/2020 19:28	0.10
		7/21/2020 9:02	0.10
		7/21/2020 19:05	0.10
		7/22/2020 9:33	0.10
		7/22/2020 19:20	0.10
		7/23/2020 10:07	0.10
		7/23/2020 20:36	0.10
		7/24/2020 10:13	0.10
		7/25/2020 9:38	0.10
		7/27/2020 11:59	0.10
		7/29/2020 13:11	0.20
		7/31/2020 16:04	0.20
		8/3/2020 13:49	0.20
		8/5/2020 10:18	0.20

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 11:35	7.04
		7/17/2020 17:31	7.19
		7/19/2020 19:03	7.14
		7/20/2020 9:31	7.13
		7/20/2020 19:28	7.15
		7/21/2020 9:02	7.16
		7/21/2020 19:05	7.16
		7/22/2020 9:33	7.11
		7/22/2020 19:20	7.06
		7/23/2020 10:07	7.03
		7/23/2020 20:36	7.02
		7/24/2020 10:13	7.19
		7/25/2020 9:38	7.18
		7/27/2020 11:59	7.12
		7/29/2020 13:11	7.08
		7/31/2020 16:04	7.20
		8/3/2020 13:49	7.27
		8/5/2020 10:18	7.15

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 11:35	16.486
		7/17/2020 17:31	16.317
		7/19/2020 19:03	16.556
		7/20/2020 9:31	16.681
		7/20/2020 19:28	16.718
		7/21/2020 9:02	16.76
		7/21/2020 19:05	16.77
		7/22/2020 9:33	----
		7/22/2020 19:20	16.827
		7/23/2020 10:07	16.505
		7/23/2020 20:36	17.125
		7/24/2020 10:13	17.114
		7/25/2020 9:38	17.028
		7/27/2020 11:59	17.759
		7/29/2020 13:11	17.235
		7/31/2020 16:04	17.063
		8/3/2020 13:49	17.596
		8/5/2020 10:18	17.153

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 11:35	-0.005
		7/17/2020 17:31	0.007
		7/19/2020 19:03	0.001
		7/20/2020 9:31	0.007
		7/20/2020 19:28	0.001
		7/21/2020 9:02	0.007
		7/21/2020 19:05	0.013
		7/22/2020 9:33	----
		7/22/2020 19:20	0.018
		7/23/2020 10:07	0
		7/23/2020 20:36	0.001
		7/24/2020 10:13	0.006
		7/25/2020 9:38	0.038
		7/27/2020 11:59	0.001
		7/29/2020 13:11	0.041
		7/31/2020 16:04	0.017
		8/3/2020 13:49	-0.006
		8/5/2020 10:18	0

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 11:35	2106.659
		7/17/2020 17:31	2075.296
		7/19/2020 19:03	2074.991
		7/20/2020 9:31	2076.428
		7/20/2020 19:28	2049.067
		7/21/2020 9:02	2053.462
		7/21/2020 19:05	2059.988
		7/22/2020 9:33	----
		7/22/2020 19:20	2072.865
		7/23/2020 10:07	2036.008
		7/23/2020 20:36	2045.354
		7/24/2020 10:13	2120.882
		7/25/2020 9:38	2050.3
		7/27/2020 11:59	2123.191
		7/29/2020 13:11	2070.007
		7/31/2020 16:04	2041.867
		8/3/2020 13:49	2064.41
		8/5/2020 10:18	2036.959

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 11:35	9520
		7/17/2020 17:31	9950
		7/19/2020 19:03	9900
		7/20/2020 9:31	9790
		7/20/2020 19:28	9680
		7/21/2020 9:02	9850
		7/21/2020 19:05	9800
		7/22/2020 9:33	9720
		7/22/2020 19:20	9640
		7/23/2020 10:07	9940
		7/23/2020 20:36	10020
		7/24/2020 10:13	10040
		7/25/2020 9:38	9970
		7/27/2020 11:59	10110
		7/29/2020 13:11	10090
		7/31/2020 16:04	9990
		8/3/2020 13:49	10130
		8/5/2020 10:18	10030

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 11:35	3.808
		7/17/2020 17:31	3.783
		7/19/2020 19:03	3.796
		7/20/2020 9:31	3.71
		7/20/2020 19:28	3.734
		7/21/2020 9:02	3.703
		7/21/2020 19:05	3.706
		7/22/2020 9:33	----
		7/22/2020 19:20	3.763
		7/23/2020 10:07	3.768
		7/23/2020 20:36	3.717
		7/24/2020 10:13	3.895
		7/25/2020 9:38	3.726
		7/27/2020 11:59	3.888
		7/29/2020 13:11	3.856
		7/31/2020 16:04	3.785
		8/3/2020 13:49	3.87
		8/5/2020 10:18	3.855

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 11:35	5006
		7/17/2020 17:31	5112
		7/19/2020 19:03	5080
		7/20/2020 9:31	5226
		7/20/2020 19:28	4994
		7/21/2020 9:02	4910
		7/21/2020 19:05	4990
		7/22/2020 9:33	5039
		7/22/2020 19:20	5042
		7/23/2020 10:07	5054
		7/23/2020 20:36	5106
		7/24/2020 10:13	5198
		7/25/2020 9:38	5103
		7/27/2020 11:59	5072
		7/29/2020 13:11	5075
		7/31/2020 16:04	5076
		8/3/2020 13:49	5074
		8/5/2020 10:18	5079

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 11:35	0.983
		7/17/2020 17:31	0.974
		7/19/2020 19:03	0.996
		7/20/2020 9:31	0.988
		7/20/2020 19:28	0.984
		7/21/2020 9:02	0.99
		7/21/2020 19:05	0.977
		7/22/2020 9:33	----
		7/22/2020 19:20	0.99
		7/23/2020 10:07	0.987
		7/23/2020 20:36	0.984
		7/24/2020 10:13	1.044
		7/25/2020 9:38	1.045
		7/27/2020 11:59	1.028
		7/29/2020 13:11	1.003
		7/31/2020 16:04	0.979
		8/3/2020 13:49	1.001
		8/5/2020 10:18	0.987

Groundwater Quality Data By Parameter, Well 1009

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 11:35	0.002
		7/17/2020 17:31	0.004
		7/19/2020 19:03	0.004
		7/20/2020 9:31	0.003
		7/20/2020 19:28	0.003
		7/21/2020 9:02	0.004
		7/21/2020 19:05	0.003
		7/22/2020 9:33	----
		7/22/2020 19:20	0.004
		7/23/2020 10:07	0.004
		7/23/2020 20:36	0.005
		7/24/2020 10:13	0.002
		7/25/2020 9:38	0.003
		7/27/2020 11:59	0.004
		7/29/2020 13:11	0.005
		7/31/2020 16:04	0.004
		8/3/2020 13:49	0.004
		8/5/2020 10:18	0.003

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 11:45	586
		7/17/2020 17:41	564
		7/19/2020 19:09	526
		7/20/2020 9:58	526
		7/20/2020 19:35	584
		7/21/2020 9:12	516
		7/21/2020 13:42	514
		7/21/2020 19:12	528
		7/22/2020 9:44	540
		7/22/2020 14:04	538
		7/22/2020 19:27	532
		7/23/2020 10:18	514
		7/23/2020 20:42	514
		7/24/2020 10:21	528
		7/24/2020 20:00	522
		7/25/2020 9:44	508
		7/25/2020 19:45	506
		7/26/2020 10:35	510
		7/26/2020 20:23	514
		7/27/2020 12:14	512
		7/27/2020 21:15	514
		7/28/2020 10:05	498
		7/28/2020 19:50	502
		7/29/2020 10:03	524
		7/29/2020 19:56	518
		7/30/2020 10:36	494
		7/30/2020 18:39	506
		7/31/2020 13:03	400
		7/31/2020 19:11	498
		8/1/2020 10:13	496
		8/1/2020 18:35	508
		8/2/2020 9:55	490
		8/2/2020 18:29	490
		8/3/2020 10:15	508
		8/3/2020 19:13	524
		8/4/2020 8:46	510
		8/5/2020 10:25	516

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 11:45	249
		7/17/2020 17:41	250
		7/19/2020 19:09	248
		7/20/2020 9:58	235
		7/20/2020 19:35	235
		7/21/2020 9:12	240
		7/21/2020 13:42	242
		7/21/2020 19:12	239
		7/22/2020 9:44	235
		7/22/2020 14:04	237
		7/22/2020 19:27	241
		7/23/2020 10:18	236
		7/23/2020 20:42	250
		7/24/2020 10:21	237
		7/24/2020 20:00	241
		7/25/2020 9:44	237
		7/25/2020 19:45	232
		7/26/2020 10:35	235
		7/26/2020 20:23	236
		7/27/2020 12:14	241
		7/27/2020 21:15	239
		7/28/2020 10:05	242
		7/28/2020 19:50	243
		7/29/2020 10:03	245
		7/29/2020 19:56	247
		7/30/2020 10:36	249
		7/30/2020 18:39	255
		7/31/2020 13:03	243
		7/31/2020 19:11	264
		8/1/2020 10:13	247
		8/1/2020 18:35	244
		8/2/2020 9:55	253
		8/2/2020 18:29	254
		8/3/2020 10:15	253
		8/3/2020 19:13	257
		8/4/2020 8:46	253
		8/5/2020 10:25	253

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 11:45	397
		7/17/2020 17:41	395
		7/19/2020 19:09	393
		7/20/2020 9:58	393
		7/20/2020 19:35	395
		7/21/2020 9:12	398
		7/21/2020 13:42	386
		7/21/2020 19:12	386
		7/22/2020 9:44	388
		7/22/2020 14:04	387
		7/22/2020 19:27	390
		7/23/2020 10:18	392
		7/23/2020 20:42	390
		7/24/2020 10:21	388
		7/24/2020 20:00	376
		7/25/2020 9:44	367
		7/25/2020 19:45	378
		7/26/2020 10:35	375
		7/26/2020 20:23	381
		7/27/2020 12:14	376
		7/27/2020 21:15	388
		7/28/2020 10:05	381
		7/28/2020 19:50	392
		7/29/2020 10:03	385
		7/29/2020 19:56	384
		7/30/2020 10:36	391
		7/30/2020 18:39	386
		7/31/2020 13:03	385
		7/31/2020 19:11	389
		8/1/2020 10:13	390
		8/1/2020 18:35	392
		8/2/2020 9:55	390
		8/2/2020 18:29	396
		8/3/2020 10:15	397
		8/3/2020 19:13	405
		8/4/2020 8:46	406
		8/5/2020 10:25	452

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 11:45	1.3
		7/17/2020 17:41	1.5
		7/19/2020 19:09	1.5
		7/20/2020 9:58	1.1
		7/20/2020 19:35	----
		7/21/2020 9:12	1.1
		7/21/2020 13:42	----
		7/21/2020 19:12	----
		7/22/2020 9:44	1.1
		7/22/2020 14:04	----
		7/22/2020 19:27	----
		7/23/2020 10:18	1.0
		7/23/2020 20:42	----
		7/24/2020 10:21	1.4
		7/24/2020 20:00	----
		7/25/2020 9:44	1.3
		7/25/2020 19:45	----
		7/26/2020 10:35	1.3
		7/26/2020 20:23	----
		7/27/2020 12:14	0.9
		7/27/2020 21:15	----
		7/28/2020 10:05	1.2
		7/28/2020 19:50	----
		7/29/2020 10:03	0.6
		7/29/2020 19:56	----
		7/30/2020 10:36	1.8
		7/30/2020 18:39	----
		7/31/2020 13:03	0.9
		7/31/2020 19:11	----
		8/1/2020 10:13	1.7
		8/1/2020 18:35	----
		8/2/2020 9:55	1.2
		8/2/2020 18:29	----
		8/3/2020 10:15	1.4
		8/3/2020 19:13	----
		8/4/2020 8:46	1.4
		8/5/2020 10:25	1.6

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 11:45	26
		7/17/2020 17:41	----
		7/19/2020 19:09	25
		7/20/2020 9:58	----
		7/20/2020 19:35	26
		7/21/2020 9:12	----
		7/21/2020 13:42	27
		7/21/2020 19:12	----
		7/22/2020 9:44	27
		7/22/2020 14:04	----
		7/22/2020 19:27	26
		7/23/2020 10:18	----
		7/23/2020 20:42	27
		7/24/2020 10:21	----
		7/24/2020 20:00	28
		7/25/2020 9:44	----
		7/25/2020 19:45	29
		7/26/2020 10:35	----
		7/26/2020 20:23	27
		7/27/2020 12:14	----
		7/27/2020 21:15	28
		7/28/2020 10:05	----
		7/28/2020 19:50	25
		7/29/2020 10:03	----
		7/29/2020 19:56	26
		7/30/2020 10:36	----
		7/30/2020 18:39	26
		7/31/2020 13:03	----
		7/31/2020 19:11	26
		8/1/2020 10:13	----
		8/1/2020 18:35	27
		8/2/2020 9:55	----
		8/2/2020 18:29	26
		8/3/2020 10:15	----
		8/3/2020 19:13	26
		8/4/2020 8:46	----
		8/5/2020 10:25	26

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 11:45	0.50
		7/17/2020 17:41	0.50
		7/19/2020 19:09	0.50
		7/20/2020 9:58	0.90
		7/20/2020 19:35	2.3
		7/21/2020 9:12	6.5
		7/21/2020 13:42	6.6
		7/21/2020 19:12	5.6
		7/22/2020 9:44	5.1
		7/22/2020 14:04	4.3
		7/22/2020 19:27	4.3
		7/23/2020 10:18	3.4
		7/23/2020 20:42	3.8
		7/24/2020 10:21	5.9
		7/24/2020 20:00	8.5
		7/25/2020 9:44	12
		7/25/2020 19:45	15
		7/26/2020 10:35	15
		7/26/2020 20:23	9.5
		7/27/2020 12:14	7.8
		7/27/2020 21:15	9.4
		7/28/2020 10:05	4.6
		7/28/2020 19:50	2.8
		7/29/2020 10:03	3.7
		7/29/2020 19:56	3.0
		7/30/2020 10:36	3.0
		7/30/2020 18:39	2.9
		7/31/2020 13:03	4.5
		7/31/2020 19:11	5.1
		8/1/2020 10:13	5.9
		8/1/2020 18:35	6.9
		8/2/2020 9:55	4.4
		8/2/2020 18:29	4.0
		8/3/2020 10:15	3.5
		8/3/2020 19:13	3.1
		8/4/2020 8:46	2.5
		8/5/2020 10:25	1.8

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 11:45	1.1
		7/17/2020 17:41	1.0
		7/19/2020 19:09	0.86
		7/20/2020 9:58	0.82
		7/20/2020 19:35	0.72
		7/21/2020 9:12	0.63
		7/21/2020 13:42	0.75
		7/21/2020 19:12	0.57
		7/22/2020 9:44	0.60
		7/22/2020 14:04	0.53
		7/22/2020 19:27	0.49
		7/23/2020 10:18	0.39
		7/23/2020 20:42	0.31
		7/24/2020 10:21	0.42
		7/24/2020 20:00	0.54
		7/25/2020 9:44	0.48
		7/25/2020 19:45	0.43
		7/26/2020 10:35	0.41
		7/26/2020 20:23	0.45
		7/27/2020 12:14	0.41
		7/27/2020 21:15	0.42
		7/28/2020 10:05	0.475
		7/28/2020 19:50	0.527
		7/29/2020 10:03	0.406
		7/29/2020 19:56	0.422
		7/30/2020 10:36	0.387
		7/30/2020 18:39	0.444
		7/31/2020 13:03	1.372
		7/31/2020 19:11	0.361
		8/1/2020 10:13	0.279
		8/1/2020 18:35	0.264
		8/2/2020 9:55	0.236
		8/2/2020 18:29	0.249
		8/3/2020 10:15	0.249
		8/3/2020 19:13	0.207
		8/4/2020 8:46	0.185
		8/5/2020 10:25	0.218

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 11:45	300
		7/17/2020 17:41	298
		7/19/2020 19:09	299
		7/20/2020 9:58	285
		7/20/2020 19:35	290
		7/21/2020 9:12	294
		7/21/2020 13:42	293
		7/21/2020 19:12	291
		7/22/2020 9:44	290
		7/22/2020 14:04	291
		7/22/2020 19:27	293
		7/23/2020 10:18	293
		7/23/2020 20:42	305
		7/24/2020 10:21	290
		7/24/2020 20:00	296
		7/25/2020 9:44	294
		7/25/2020 19:45	290
		7/26/2020 10:35	287
		7/26/2020 20:23	291
		7/27/2020 12:14	291
		7/27/2020 21:15	296
		7/28/2020 10:05	297
		7/28/2020 19:50	301
		7/29/2020 10:03	299
		7/29/2020 19:56	304
		7/30/2020 10:36	308
		7/30/2020 18:39	317
		7/31/2020 13:03	306
		7/31/2020 19:11	310
		8/1/2020 10:13	307
		8/1/2020 18:35	308
		8/2/2020 9:55	315
		8/2/2020 18:29	315
		8/3/2020 10:15	318
		8/3/2020 19:13	315
		8/4/2020 8:46	315
		8/5/2020 10:25	315

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 11:45	1.1
		7/17/2020 17:41	1.1
		7/19/2020 19:09	1.0
		7/20/2020 9:58	0.9
		7/20/2020 19:35	0.90
		7/21/2020 9:12	0.91
		7/21/2020 13:42	0.94
		7/21/2020 19:12	0.9
		7/22/2020 9:44	0.92
		7/22/2020 14:04	1.0
		7/22/2020 19:27	1.0
		7/23/2020 10:18	0.9
		7/23/2020 20:42	0.88
		7/24/2020 10:21	0.91
		7/24/2020 20:00	0.90
		7/25/2020 9:44	0.85
		7/25/2020 19:45	0.90
		7/26/2020 10:35	0.93
		7/26/2020 20:23	0.94
		7/27/2020 12:14	0.94
		7/27/2020 21:15	0.94
		7/28/2020 10:05	0.95
		7/28/2020 19:50	0.94
		7/29/2020 10:03	0.93
		7/29/2020 19:56	0.93
		7/30/2020 10:36	0.94
		7/30/2020 18:39	0.96
		7/31/2020 13:03	0.87
		7/31/2020 19:11	0.90
		8/1/2020 10:13	0.80
		8/1/2020 18:35	0.82
		8/2/2020 9:55	0.86
		8/2/2020 18:29	0.88
		8/3/2020 10:15	0.85
		8/3/2020 19:13	0.83
		8/4/2020 8:46	0.83
		8/5/2020 10:25	0.83

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 11:45	0.38
		7/17/2020 17:41	0.38
		7/19/2020 19:09	0.39
		7/20/2020 9:58	0.37
		7/20/2020 19:35	0.37
		7/21/2020 9:12	0.38
		7/21/2020 13:42	0.37
		7/21/2020 19:12	0.37
		7/22/2020 9:44	0.37
		7/22/2020 14:04	0.37
		7/22/2020 19:27	0.38
		7/23/2020 10:18	0.37
		7/23/2020 20:42	0.39
		7/24/2020 10:21	0.37
		7/24/2020 20:00	0.39
		7/25/2020 9:44	0.38
		7/25/2020 19:45	0.38
		7/26/2020 10:35	0.38
		7/26/2020 20:23	0.39
		7/27/2020 12:14	0.39
		7/27/2020 21:15	0.39
		7/28/2020 10:05	0.39
		7/28/2020 19:50	0.39
		7/29/2020 10:03	0.39
		7/29/2020 19:56	0.40
		7/30/2020 10:36	0.40
		7/30/2020 18:39	0.41
		7/31/2020 13:03	0.39
		7/31/2020 19:11	0.39
		8/1/2020 10:13	0.38
		8/1/2020 18:35	0.38
		8/2/2020 9:55	0.39
		8/2/2020 18:29	0.39
		8/3/2020 10:15	0.40
		8/3/2020 19:13	0.39
		8/4/2020 8:46	0.38
		8/5/2020 10:25	0.39

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 11:45	0.5
		7/17/2020 17:41	0.5
		7/19/2020 19:09	0.5
		7/20/2020 9:58	0.5
		7/20/2020 19:35	0.5
		7/21/2020 9:12	0.5
		7/21/2020 13:42	0.5
		7/21/2020 19:12	0.5
		7/22/2020 9:44	0.5
		7/22/2020 14:04	0.5
		7/22/2020 19:27	0.5
		7/23/2020 10:18	0.5
		7/23/2020 20:42	0.5
		7/24/2020 10:21	0.5
		7/24/2020 20:00	0.5
		7/25/2020 9:44	0.5
		7/25/2020 19:45	0.5
		7/26/2020 10:35	0.5
		7/26/2020 20:23	0.5
		7/27/2020 12:14	0.5
		7/27/2020 21:15	0.5
		7/28/2020 10:05	0.5
		7/28/2020 19:50	0.5
		7/29/2020 10:03	0.5
		7/29/2020 19:56	0.5
		7/30/2020 10:36	0.5
		7/30/2020 18:39	0.5
		7/31/2020 13:03	0.5
		7/31/2020 19:11	0.5
		8/1/2020 10:13	0.5
		8/1/2020 18:35	0.5
		8/2/2020 9:55	0.5
		8/2/2020 18:29	0.5
		8/3/2020 10:15	0.5
		8/3/2020 19:13	0.5
		8/4/2020 8:46	0.5
		8/5/2020 10:25	0.5

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 11:45	-362
		7/17/2020 17:41	-239
		7/19/2020 19:09	-87.2
		7/20/2020 9:58	-52.2
		7/20/2020 19:35	-15.1
		7/21/2020 9:12	9.9
		7/21/2020 13:42	-3.4
		7/21/2020 19:12	-7.2
		7/22/2020 9:44	2.9
		7/22/2020 14:04	32.2
		7/22/2020 19:27	-16.5
		7/23/2020 10:18	34.2
		7/23/2020 20:42	49.2
		7/24/2020 10:21	23.1
		7/24/2020 20:00	25.4
		7/25/2020 9:44	36.4
		7/25/2020 19:45	25.2
		7/26/2020 10:35	53.9
		7/26/2020 20:23	28.2
		7/27/2020 12:14	36.9
		7/27/2020 21:15	16.6
		7/28/2020 10:05	30.5
		7/28/2020 19:50	22.2
		7/29/2020 10:03	30
		7/29/2020 19:56	11.6
		7/30/2020 10:36	23.2
		7/30/2020 18:39	1.9
		7/31/2020 13:03	31.8
		7/31/2020 19:11	5.7
		8/1/2020 10:13	42.6
		8/1/2020 18:35	23.6
		8/2/2020 9:55	32.2
		8/2/2020 18:29	29.7
		8/3/2020 10:15	15.6
		8/3/2020 19:13	42.1
		8/4/2020 8:46	31.2
		8/5/2020 10:25	44.8

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 11:45	0.10
		7/17/2020 17:41	0.10
		7/19/2020 19:09	0.10
		7/20/2020 9:58	1.0
		7/20/2020 19:35	2.5
		7/21/2020 9:12	6.0
		7/21/2020 13:42	6.7
		7/21/2020 19:12	6.5
		7/22/2020 9:44	6.6
		7/22/2020 14:04	6.0
		7/22/2020 19:27	5.2
		7/23/2020 10:18	4.8
		7/23/2020 20:42	4.3
		7/24/2020 10:21	7.0
		7/24/2020 20:00	9.9
		7/25/2020 9:44	12
		7/25/2020 19:45	16
		7/26/2020 10:35	16
		7/26/2020 20:23	9.5
		7/27/2020 12:14	8.0
		7/27/2020 21:15	9.7
		7/28/2020 10:05	4.5
		7/28/2020 19:50	2.8
		7/29/2020 10:03	3.8
		7/29/2020 19:56	3.0
		7/30/2020 10:36	3.2
		7/30/2020 18:39	3.1
		7/31/2020 13:03	4.7
		7/31/2020 19:11	4.8
		8/1/2020 10:13	6.1
		8/1/2020 18:35	6.2
		8/2/2020 9:55	3.8
		8/2/2020 18:29	3.4
		8/3/2020 10:15	2.9
		8/3/2020 19:13	2.7
		8/4/2020 8:46	1.4
		8/5/2020 10:25	1.0

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 11:45	7.06
		7/17/2020 17:41	7.19
		7/19/2020 19:09	7.16
		7/20/2020 9:58	7.16
		7/20/2020 19:35	7.16
		7/21/2020 9:12	7.14
		7/21/2020 13:42	7.16
		7/21/2020 19:12	7.17
		7/22/2020 9:44	7.11
		7/22/2020 14:04	7.08
		7/22/2020 19:27	7.10
		7/23/2020 10:18	7.07
		7/23/2020 20:42	7.06
		7/24/2020 10:21	7.21
		7/24/2020 20:00	7.22
		7/25/2020 9:44	7.21
		7/25/2020 19:45	7.17
		7/26/2020 10:35	7.19
		7/26/2020 20:23	7.23
		7/27/2020 12:14	7.12
		7/27/2020 21:15	7.30
		7/28/2020 10:05	7.17
		7/28/2020 19:50	7.21
		7/29/2020 10:03	7.16
		7/29/2020 19:56	7.23
		7/30/2020 10:36	7.21
		7/30/2020 18:39	7.23
		7/31/2020 13:03	7.22
		7/31/2020 19:11	7.23
		8/1/2020 10:13	7.25
		8/1/2020 18:35	7.24
		8/2/2020 9:55	7.28
		8/2/2020 18:29	7.16
		8/3/2020 10:15	7.28
		8/3/2020 19:13	7.21
		8/4/2020 8:46	7.15
		8/5/2020 10:25	7.15

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 11:45	19
		7/17/2020 17:41	17
		7/19/2020 19:09	17
		7/20/2020 9:58	17
		7/20/2020 19:35	16
		7/21/2020 9:12	16
		7/21/2020 13:42	16
		7/21/2020 19:12	16
		7/22/2020 9:44	16
		7/22/2020 14:04	16
		7/22/2020 19:27	17
		7/23/2020 10:18	16
		7/23/2020 20:42	18
		7/24/2020 10:21	18
		7/24/2020 20:00	17
		7/25/2020 9:44	16
		7/25/2020 19:45	16
		7/26/2020 10:35	16
		7/26/2020 20:23	16
		7/27/2020 12:14	16
		7/27/2020 21:15	16
		7/28/2020 10:05	17
		7/28/2020 19:50	17
		7/29/2020 10:03	16
		7/29/2020 19:56	16
		7/30/2020 10:36	17
		7/30/2020 18:39	17
		7/31/2020 13:03	16
		7/31/2020 19:11	17
		8/1/2020 10:13	17
		8/1/2020 18:35	17
		8/2/2020 9:55	18
		8/2/2020 18:29	17
		8/3/2020 10:15	17
		8/3/2020 19:13	16
		8/4/2020 8:46	17
		8/5/2020 10:25	18

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 11:45	0.011
		7/17/2020 17:41	0.011
		7/19/2020 19:09	0.000
		7/20/2020 9:58	0.005
		7/20/2020 19:35	0.000
		7/21/2020 9:12	0.006
		7/21/2020 13:42	-0.006
		7/21/2020 19:12	0.017
		7/22/2020 9:44	0.011
		7/22/2020 14:04	0.006
		7/22/2020 19:27	0.011
		7/23/2020 10:18	0.011
		7/23/2020 20:42	0.030
		7/24/2020 10:21	0.012
		7/24/2020 20:00	0.015
		7/25/2020 9:44	0.008
		7/25/2020 19:45	0.015
		7/26/2020 10:35	0.016
		7/26/2020 20:23	0.023
		7/27/2020 12:14	0.000
		7/27/2020 21:15	0.046
		7/28/2020 10:05	0.031
		7/28/2020 19:50	0.039
		7/29/2020 10:03	0.016
		7/29/2020 19:56	0.032
		7/30/2020 10:36	0.016
		7/30/2020 18:39	0.000
		7/31/2020 13:03	0.032
		7/31/2020 19:11	0.047
		8/1/2020 10:13	0.032
		8/1/2020 18:35	0.031
		8/2/2020 9:55	0.000
		8/2/2020 18:29	0.047
		8/3/2020 10:15	0.016
		8/3/2020 19:13	0.040
		8/4/2020 8:46	0.024
		8/5/2020 10:25	0.008

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 11:45	2114
		7/17/2020 17:41	2090
		7/19/2020 19:09	2110
		7/20/2020 9:58	1999
		7/20/2020 19:35	2039
		7/21/2020 9:12	2076
		7/21/2020 13:42	2076
		7/21/2020 19:12	2064
		7/22/2020 9:44	2052
		7/22/2020 14:04	2061
		7/22/2020 19:27	2085
		7/23/2020 10:18	2065
		7/23/2020 20:42	2156
		7/24/2020 10:21	2064
		7/24/2020 20:00	2051
		7/25/2020 9:44	2042
		7/25/2020 19:45	2033
		7/26/2020 10:35	1997
		7/26/2020 20:23	2035
		7/27/2020 12:14	2004
		7/27/2020 21:15	2058
		7/28/2020 10:05	2042
		7/28/2020 19:50	2043
		7/29/2020 10:03	2034
		7/29/2020 19:56	2069
		7/30/2020 10:36	2090
		7/30/2020 18:39	2150
		7/31/2020 13:03	2067
		7/31/2020 19:11	2091
		8/1/2020 10:13	2073
		8/1/2020 18:35	2069
		8/2/2020 9:55	2098
		8/2/2020 18:29	2095
		8/3/2020 10:15	2099
		8/3/2020 19:13	2096
		8/4/2020 8:46	2088
		8/5/2020 10:25	2074

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 11:45	10150
		7/17/2020 17:41	9940
		7/19/2020 19:09	10040
		7/20/2020 9:58	9970
		7/20/2020 19:35	9790
		7/21/2020 9:12	9930
		7/21/2020 13:42	9950
		7/21/2020 19:12	9900
		7/22/2020 9:44	9810
		7/22/2020 14:04	9710
		7/22/2020 19:27	9870
		7/23/2020 10:18	10120
		7/23/2020 20:42	10110
		7/24/2020 10:21	10000
		7/24/2020 20:00	9810
		7/25/2020 9:44	9870
		7/25/2020 19:45	9920
		7/26/2020 10:35	9880
		7/26/2020 20:23	9830
		7/27/2020 12:14	9880
		7/27/2020 21:15	9860
		7/28/2020 10:05	9810
		7/28/2020 19:50	9900
		7/29/2020 10:03	9870
		7/29/2020 19:56	9930
		7/30/2020 10:36	9900
		7/30/2020 18:39	10050
		7/31/2020 13:03	10060
		7/31/2020 19:11	10060
		8/1/2020 10:13	10020
		8/1/2020 18:35	10060
		8/2/2020 9:55	10070
		8/2/2020 18:29	10160
		8/3/2020 10:15	10070
		8/3/2020 19:13	10100
		8/4/2020 8:46	10160
		8/5/2020 10:25	10110

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 11:45	3.7
		7/17/2020 17:41	3.7
		7/19/2020 19:09	3.7
		7/20/2020 9:58	3.5
		7/20/2020 19:35	3.6
		7/21/2020 9:12	3.6
		7/21/2020 13:42	3.6
		7/21/2020 19:12	3.5
		7/22/2020 9:44	3.5
		7/22/2020 14:04	3.5
		7/22/2020 19:27	3.6
		7/23/2020 10:18	3.6
		7/23/2020 20:42	3.7
		7/24/2020 10:21	3.5
		7/24/2020 20:00	3.6
		7/25/2020 9:44	3.6
		7/25/2020 19:45	3.6
		7/26/2020 10:35	3.6
		7/26/2020 20:23	3.6
		7/27/2020 12:14	3.6
		7/27/2020 21:15	3.6
		7/28/2020 10:05	3.7
		7/28/2020 19:50	3.6
		7/29/2020 10:03	3.6
		7/29/2020 19:56	3.7
		7/30/2020 10:36	3.7
		7/30/2020 18:39	3.9
		7/31/2020 13:03	3.7
		7/31/2020 19:11	4.0
		8/1/2020 10:13	3.7
		8/1/2020 18:35	3.8
		8/2/2020 9:55	3.8
		8/2/2020 18:29	3.8
		8/3/2020 10:15	3.9
		8/3/2020 19:13	3.8
		8/4/2020 8:46	3.9
		8/5/2020 10:25	3.9

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 11:45	5084
		7/17/2020 17:41	5085
		7/19/2020 19:09	5080
		7/20/2020 9:58	5149
		7/20/2020 19:35	5150
		7/21/2020 9:12	5161
		7/21/2020 13:42	5067
		7/21/2020 19:12	4910
		7/22/2020 9:44	4967
		7/22/2020 14:04	5005
		7/22/2020 19:27	5110
		7/23/2020 10:18	5009
		7/23/2020 20:42	5016
		7/24/2020 10:21	5115
		7/24/2020 20:00	5107
		7/25/2020 9:44	5029
		7/25/2020 19:45	4983
		7/26/2020 10:35	4816
		7/26/2020 20:23	4825
		7/27/2020 12:14	4821
		7/27/2020 21:15	4853
		7/28/2020 10:05	4872
		7/28/2020 19:50	4928
		7/29/2020 10:03	4913
		7/29/2020 19:56	5124
		7/30/2020 10:36	5064
		7/30/2020 18:39	5013
		7/31/2020 13:03	4964
		7/31/2020 19:11	4993
		8/1/2020 10:13	4988
		8/1/2020 18:35	5006
		8/2/2020 9:55	5052
		8/2/2020 18:29	5110
		8/3/2020 10:15	5126
		8/3/2020 19:13	5284
		8/4/2020 8:46	5261
		8/5/2020 10:25	5281

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 11:45	0.90
		7/17/2020 17:41	0.90
		7/19/2020 19:09	0.91
		7/20/2020 9:58	0.87
		7/20/2020 19:35	0.90
		7/21/2020 9:12	0.90
		7/21/2020 13:42	0.90
		7/21/2020 19:12	0.90
		7/22/2020 9:44	0.89
		7/22/2020 14:04	0.90
		7/22/2020 19:27	0.90
		7/23/2020 10:18	0.90
		7/23/2020 20:42	0.95
		7/24/2020 10:21	0.90
		7/24/2020 20:00	0.99
		7/25/2020 9:44	0.99
		7/25/2020 19:45	0.98
		7/26/2020 10:35	0.97
		7/26/2020 20:23	0.99
		7/27/2020 12:14	0.98
		7/27/2020 21:15	1.00
		7/28/2020 10:05	1.01
		7/28/2020 19:50	1.01
		7/29/2020 10:03	0.99
		7/29/2020 19:56	1.02
		7/30/2020 10:36	1.01
		7/30/2020 18:39	1.05
		7/31/2020 13:03	1.03
		7/31/2020 19:11	1.05
		8/1/2020 10:13	1.05
		8/1/2020 18:35	1.03
		8/2/2020 9:55	1.06
		8/2/2020 18:29	1.06
		8/3/2020 10:15	1.05
		8/3/2020 19:13	1.05
		8/4/2020 8:46	1.06
		8/5/2020 10:25	1.05

Groundwater Quality Data By Parameter, Well 1010

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 11:45	-0.001
		7/17/2020 17:41	0
		7/19/2020 19:09	-0.001
		7/20/2020 9:58	-0.001
		7/20/2020 19:35	0
		7/21/2020 9:12	-0.002
		7/21/2020 13:42	-0.002
		7/21/2020 19:12	0
		7/22/2020 9:44	-0.002
		7/22/2020 14:04	-0.001
		7/22/2020 19:27	0.017
		7/23/2020 10:18	-0.002
		7/23/2020 20:42	-0.001
		7/24/2020 10:21	-0.001
		7/24/2020 20:00	0.002
		7/25/2020 9:44	0.002
		7/25/2020 19:45	0.002
		7/26/2020 10:35	0.003
		7/26/2020 20:23	0.004
		7/27/2020 12:14	0.004
		7/27/2020 21:15	0.004
		7/28/2020 10:05	0.006
		7/28/2020 19:50	0.005
		7/29/2020 10:03	0.004
		7/29/2020 19:56	0.006
		7/30/2020 10:36	0.005
		7/30/2020 18:39	0.005
		7/31/2020 13:03	0.006
		7/31/2020 19:11	0.01
		8/1/2020 10:13	0.006
		8/1/2020 18:35	0.005
		8/2/2020 9:55	0.009
		8/2/2020 18:29	0.005
		8/3/2020 10:15	0.005
		8/3/2020 19:13	0.004
		8/4/2020 8:46	0.005
		8/5/2020 10:25	0.005

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 12:12	590
		7/17/2020 17:50	554
		7/19/2020 19:17	556
		7/20/2020 10:14	548
		7/20/2020 19:42	568
		7/21/2020 9:18	542
		7/21/2020 19:18	546
		7/22/2020 9:53	568
		7/22/2020 14:11	554
		7/22/2020 19:33	546
		7/23/2020 10:27	540
		7/23/2020 20:50	534
		7/24/2020 10:30	548
		7/24/2020 20:06	548
		7/25/2020 9:51	524
		7/25/2020 19:51	536
		7/26/2020 10:49	536
		7/26/2020 20:33	526
		7/27/2020 12:29	524
		7/27/2020 21:25	508
		7/28/2020 10:14	512
		7/28/2020 20:03	530
		7/29/2020 10:23	506
		7/29/2020 20:10	518
		7/30/2020 10:59	492
		7/30/2020 18:54	498
		7/31/2020 13:14	512
		7/31/2020 19:25	506
		8/1/2020 10:27	512
		8/1/2020 18:47	516
		8/2/2020 10:10	498
		8/2/2020 18:40	516
		8/3/2020 10:30	516
		8/3/2020 19:26	530
		8/4/2020 8:53	518
		8/4/2020 19:41	528
		8/5/2020 10:32	528

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 12:12	----
		7/17/2020 17:50	379
		7/19/2020 19:17	378
		7/20/2020 10:14	387
		7/20/2020 19:42	360
		7/21/2020 9:18	384
		7/21/2020 19:18	360
		7/22/2020 9:53	372
		7/22/2020 14:11	375
		7/22/2020 19:33	366
		7/23/2020 10:27	361
		7/23/2020 20:50	380
		7/24/2020 10:30	379
		7/24/2020 20:06	369
		7/25/2020 9:51	372
		7/25/2020 19:51	371
		7/26/2020 10:49	355
		7/26/2020 20:33	348
		7/27/2020 12:29	344
		7/27/2020 21:25	338
		7/28/2020 10:14	345
		7/28/2020 20:03	342
		7/29/2020 10:23	341
		7/29/2020 20:10	351
		7/30/2020 10:59	348
		7/30/2020 18:54	339
		7/31/2020 13:14	353
		7/31/2020 19:25	356
		8/1/2020 10:27	364
		8/1/2020 18:47	377
		8/2/2020 10:10	----
		8/2/2020 18:40	373
		8/3/2020 10:30	376
		8/3/2020 19:26	399
		8/4/2020 8:53	393
		8/4/2020 19:41	394
		8/5/2020 10:32	379

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 12:12	----
		7/17/2020 17:50	379
		7/19/2020 19:17	378
		7/20/2020 10:14	387
		7/20/2020 19:42	360
		7/21/2020 9:18	384
		7/21/2020 19:18	360
		7/22/2020 9:53	372
		7/22/2020 14:11	375
		7/22/2020 19:33	366
		7/23/2020 10:27	361
		7/23/2020 20:50	380
		7/24/2020 10:30	379
		7/24/2020 20:06	369
		7/25/2020 9:51	372
		7/25/2020 19:51	371
		7/26/2020 10:49	355
		7/26/2020 20:33	348
		7/27/2020 12:29	344
		7/27/2020 21:25	338
		7/28/2020 10:14	345
		7/28/2020 20:03	342
		7/29/2020 10:23	341
		7/29/2020 20:10	351
		7/30/2020 10:59	348
		7/30/2020 18:54	339
		7/31/2020 13:14	353
		7/31/2020 19:25	356
		8/1/2020 10:27	364
		8/1/2020 18:47	377
		8/2/2020 10:10	----
		8/2/2020 18:40	373
		8/3/2020 10:30	376
		8/3/2020 19:26	399
		8/4/2020 8:53	393
		8/4/2020 19:41	394
		8/5/2020 10:32	379

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 12:12	1.2
		7/17/2020 17:50	1.1
		7/19/2020 19:17	1.1
		7/20/2020 10:14	0.9
		7/20/2020 19:42	----
		7/21/2020 9:18	1.3
		7/21/2020 19:18	----
		7/22/2020 9:53	2.4
		7/22/2020 14:11	----
		7/22/2020 19:33	----
		7/23/2020 10:27	2.7
		7/23/2020 20:50	----
		7/24/2020 10:30	0.9
		7/24/2020 20:06	----
		7/25/2020 9:51	1.3
		7/25/2020 19:51	----
		7/26/2020 10:49	1.2
		7/26/2020 20:33	----
		7/27/2020 12:29	1.2
		7/27/2020 21:25	----
		7/28/2020 10:14	1.1
		7/28/2020 20:03	----
		7/29/2020 10:23	0.8
		7/29/2020 20:10	----
		7/30/2020 10:59	1.3
		7/30/2020 18:54	----
		7/31/2020 13:14	1.6
		7/31/2020 19:25	----
		8/1/2020 10:27	1.4
		8/1/2020 18:47	----
		8/2/2020 10:10	1.3
		8/2/2020 18:40	----
		8/3/2020 10:30	1.6
		8/3/2020 19:26	----
		8/4/2020 8:53	0.9
		8/4/2020 19:41	----
		8/5/2020 10:32	1.5

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 12:12	27
		7/17/2020 17:50	---
		7/19/2020 19:17	26
		7/20/2020 10:14	---
		7/20/2020 19:42	27
		7/21/2020 9:18	---
		7/21/2020 19:18	27
		7/22/2020 9:53	---
		7/22/2020 14:11	27
		7/22/2020 19:33	---
		7/23/2020 10:27	29
		7/23/2020 20:50	---
		7/24/2020 10:30	30
		7/24/2020 20:06	---
		7/25/2020 9:51	30
		7/25/2020 19:51	---
		7/26/2020 10:49	33
		7/26/2020 20:33	---
		7/27/2020 12:29	35
		7/27/2020 21:25	---
		7/28/2020 10:14	36
		7/28/2020 20:03	---
		7/29/2020 10:23	36
		7/29/2020 20:10	---
		7/30/2020 10:59	35
		7/30/2020 18:54	---
		7/31/2020 13:14	32
		7/31/2020 19:25	---
		8/1/2020 10:27	30
		8/1/2020 18:47	---
		8/2/2020 10:10	29
		8/2/2020 18:40	---
		8/3/2020 10:30	28
		8/3/2020 19:26	---
		8/4/2020 8:53	27
		8/4/2020 19:41	---
		8/5/2020 10:32	27

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 12:12	0.50
		7/17/2020 17:50	0.50
		7/19/2020 19:17	0.50
		7/20/2020 10:14	0.50
		7/20/2020 19:42	0.50
		7/21/2020 9:18	0.50
		7/21/2020 19:18	0.7
		7/22/2020 9:53	2.4
		7/22/2020 14:11	3.9
		7/22/2020 19:33	4.7
		7/23/2020 10:27	9.1
		7/23/2020 20:50	8.7
		7/24/2020 10:30	12
		7/24/2020 20:06	11
		7/25/2020 9:51	12
		7/25/2020 19:51	12
		7/26/2020 10:49	20
		7/26/2020 20:33	20
		7/27/2020 12:29	29
		7/27/2020 21:25	34
		7/28/2020 10:14	32
		7/28/2020 20:03	36
		7/29/2020 10:23	34
		7/29/2020 20:10	33
		7/30/2020 10:59	29
		7/30/2020 18:54	27
		7/31/2020 13:14	21
		7/31/2020 19:25	20
		8/1/2020 10:27	17
		8/1/2020 18:47	15
		8/2/2020 10:10	13
		8/2/2020 18:40	12
		8/3/2020 10:30	7.7
		8/3/2020 19:26	6.6
		8/4/2020 8:53	5.0
		8/4/2020 19:41	4.2
		8/5/2020 10:32	3.1

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 12:12	1.451
		7/17/2020 17:50	1.3
		7/19/2020 19:17	1.1
		7/20/2020 10:14	1.0
		7/20/2020 19:42	0.9
		7/21/2020 9:18	0.6
		7/21/2020 19:18	0.49
		7/22/2020 9:53	0.52
		7/22/2020 14:11	0.51
		7/22/2020 19:33	0.5
		7/23/2020 10:27	0.54
		7/23/2020 20:50	0.62
		7/24/2020 10:30	0.62
		7/24/2020 20:06	0.7
		7/25/2020 9:51	0.9
		7/25/2020 19:51	0.98
		7/26/2020 10:49	0.94
		7/26/2020 20:33	1.0
		7/27/2020 12:29	1.1
		7/27/2020 21:25	1.3
		7/28/2020 10:14	1.7
		7/28/2020 20:03	1.6
		7/29/2020 10:23	1.4
		7/29/2020 20:10	1.3
		7/30/2020 10:59	1.01
		7/30/2020 18:54	0.89
		7/31/2020 13:14	0.8
		7/31/2020 19:25	0.8
		8/1/2020 10:27	0.61
		8/1/2020 18:47	0.77
		8/2/2020 10:10	0.308
		8/2/2020 18:40	0.167
		8/3/2020 10:30	0.143
		8/3/2020 19:26	0.338
		8/4/2020 8:53	0.14
		8/4/2020 19:41	-0.102
		8/5/2020 10:32	-0.04

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 12:12	----
		7/17/2020 17:50	326
		7/19/2020 19:17	329
		7/20/2020 10:14	334
		7/20/2020 19:42	307
		7/21/2020 9:18	331
		7/21/2020 19:18	311
		7/22/2020 9:53	324
		7/22/2020 14:11	325
		7/22/2020 19:33	315
		7/23/2020 10:27	309
		7/23/2020 20:50	330
		7/24/2020 10:30	327
		7/24/2020 20:06	313
		7/25/2020 9:51	319
		7/25/2020 19:51	319
		7/26/2020 10:49	305
		7/26/2020 20:33	299
		7/27/2020 12:29	292
		7/27/2020 21:25	285
		7/28/2020 10:14	291
		7/28/2020 20:03	288
		7/29/2020 10:23	287
		7/29/2020 20:10	295
		7/30/2020 10:59	294
		7/30/2020 18:54	292
		7/31/2020 13:14	304
		7/31/2020 19:25	303
		8/1/2020 10:27	312
		8/1/2020 18:47	327
		8/2/2020 10:10	----
		8/2/2020 18:40	322
		8/3/2020 10:30	325
		8/3/2020 19:26	340
		8/4/2020 8:53	329
		8/4/2020 19:41	326
		8/5/2020 10:32	318

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 12:12	1.49
		7/17/2020 17:50	1.41
		7/19/2020 19:17	1.33
		7/20/2020 10:14	1.55
		7/20/2020 19:42	1.33
		7/21/2020 9:18	1.28
		7/21/2020 19:18	1.31
		7/22/2020 9:53	0.95
		7/22/2020 14:11	1.01
		7/22/2020 19:33	0.82
		7/23/2020 10:27	1.11
		7/23/2020 20:50	0.98
		7/24/2020 10:30	0.88
		7/24/2020 20:06	0.57
		7/25/2020 9:51	0.49
		7/25/2020 19:51	0.40
		7/26/2020 10:49	0.30
		7/26/2020 20:33	0.32
		7/27/2020 12:29	0.35
		7/27/2020 21:25	0.41
		7/28/2020 10:14	0.52
		7/28/2020 20:03	0.58
		7/29/2020 10:23	0.52
		7/29/2020 20:10	0.51
		7/30/2020 10:59	0.44
		7/30/2020 18:54	0.39
		7/31/2020 13:14	0.37
		7/31/2020 19:25	0.38
		8/1/2020 10:27	0.37
		8/1/2020 18:47	0.43
		8/2/2020 10:10	0.60
		8/2/2020 18:40	0.68
		8/3/2020 10:30	0.65
		8/3/2020 19:26	0.62
		8/4/2020 8:53	0.61
		8/4/2020 19:41	0.57
		8/5/2020 10:32	0.62

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 12:12	0.37
		7/17/2020 17:50	0.37
		7/19/2020 19:17	0.35
		7/20/2020 10:14	0.36
		7/20/2020 19:42	0.36
		7/21/2020 9:18	0.35
		7/21/2020 19:18	0.36
		7/22/2020 9:53	0.35
		7/22/2020 14:11	0.35
		7/22/2020 19:33	0.35
		7/23/2020 10:27	0.35
		7/23/2020 20:50	0.36
		7/24/2020 10:30	0.35
		7/24/2020 20:06	0.36
		7/25/2020 9:51	0.34
		7/25/2020 19:51	0.34
		7/26/2020 10:49	0.35
		7/26/2020 20:33	0.35
		7/27/2020 12:29	0.34
		7/27/2020 21:25	0.34
		7/28/2020 10:14	0.36
		7/28/2020 20:03	0.35
		7/29/2020 10:23	0.33
		7/29/2020 20:10	0.33
		7/30/2020 10:59	0.33
		7/30/2020 18:54	0.33
		7/31/2020 13:14	0.33
		7/31/2020 19:25	0.33
		8/1/2020 10:27	0.33
		8/1/2020 18:47	0.33
		8/2/2020 10:10	0.33
		8/2/2020 18:40	0.33
		8/3/2020 10:30	0.337
		8/3/2020 19:26	0.35
		8/4/2020 8:53	0.35
		8/4/2020 19:41	0.34
		8/5/2020 10:32	0.344

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 12:12	0.5
		7/17/2020 17:50	0.5
		7/19/2020 19:17	0.5
		7/20/2020 10:14	0.5
		7/20/2020 19:42	0.5
		7/21/2020 9:18	0.5
		7/21/2020 19:18	0.5
		7/22/2020 9:53	0.5
		7/22/2020 14:11	0.5
		7/22/2020 19:33	0.5
		7/23/2020 10:27	0.5
		7/23/2020 20:50	0.5
		7/24/2020 10:30	0.5
		7/24/2020 20:06	0.5
		7/25/2020 9:51	0.5
		7/25/2020 19:51	0.5
		7/26/2020 10:49	0.5
		7/26/2020 20:33	0.5
		7/27/2020 12:29	0.5
		7/27/2020 21:25	0.5
		7/28/2020 10:14	0.5
		7/28/2020 20:03	0.5
		7/29/2020 10:23	0.5
		7/29/2020 20:10	0.5
		7/30/2020 10:59	0.5
		7/30/2020 18:54	0.5
		7/31/2020 13:14	0.5
		7/31/2020 19:25	0.5
		8/1/2020 10:27	0.5
		8/1/2020 18:47	0.5
		8/2/2020 10:10	0.5
		8/2/2020 18:40	0.5
		8/3/2020 10:30	0.5
		8/3/2020 19:26	0.5
		8/4/2020 8:53	0.5
		8/4/2020 19:41	0.5
		8/5/2020 10:32	0.5

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Oxygen Reduction Potential	mV	7/17/2020 12:12	-512
		7/17/2020 17:50	-252
		7/19/2020 19:17	-157.6
		7/20/2020 10:14	-80.8
		7/20/2020 19:42	-4
		7/21/2020 9:18	22.2
		7/21/2020 19:18	12.9
		7/22/2020 9:53	12.3
		7/22/2020 14:11	-5.9
		7/22/2020 19:33	-26
		7/23/2020 10:27	-15.3
		7/23/2020 20:50	32.9
		7/24/2020 10:30	13
		7/24/2020 20:06	20.1
		7/25/2020 9:51	12.8
		7/25/2020 19:51	0.3
		7/26/2020 10:49	23
		7/26/2020 20:33	5.6
		7/27/2020 12:29	-5.3
		7/27/2020 21:25	-9
		7/28/2020 10:14	-7.2
		7/28/2020 20:03	-20.4
		7/29/2020 10:23	-16.1
		7/29/2020 20:10	-17.3
		7/30/2020 10:59	-7.1
		7/30/2020 18:54	-15.7
		7/31/2020 13:14	-6.8
		7/31/2020 19:25	-7.3
		8/1/2020 10:27	8.2
		8/1/2020 18:47	3.7
		8/2/2020 10:10	49.5
		8/2/2020 18:40	57
		8/3/2020 10:30	63.8
		8/3/2020 19:26	45.7
		8/4/2020 8:53	74.8
		8/4/2020 19:41	119
		8/5/2020 10:32	110.7

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 12:12	0.1
		7/17/2020 17:50	0.1
		7/19/2020 19:17	0.1
		7/20/2020 10:14	0.1
		7/20/2020 19:42	0.1
		7/21/2020 9:18	0.1
		7/21/2020 19:18	0.98
		7/22/2020 9:53	2.8
		7/22/2020 14:11	4.3
		7/22/2020 19:33	4.7
		7/23/2020 10:27	11
		7/23/2020 20:50	10
		7/24/2020 10:30	14
		7/24/2020 20:06	13
		7/25/2020 9:51	13
		7/25/2020 19:51	15
		7/26/2020 10:49	25
		7/26/2020 20:33	26
		7/27/2020 12:29	33
		7/27/2020 21:25	35
		7/28/2020 10:14	36
		7/28/2020 20:03	36
		7/29/2020 10:23	33
		7/29/2020 20:10	32
		7/30/2020 10:59	28
		7/30/2020 18:54	26
		7/31/2020 13:14	20
		7/31/2020 19:25	19
		8/1/2020 10:27	16
		8/1/2020 18:47	15
		8/2/2020 10:10	12
		8/2/2020 18:40	11
		8/3/2020 10:30	8.4
		8/3/2020 19:26	6.9
		8/4/2020 8:53	4.3
		8/4/2020 19:41	3.6
		8/5/2020 10:32	2.6

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 12:12	7.18
		7/17/2020 17:50	7.22
		7/19/2020 19:17	7.19
		7/20/2020 10:14	7.20
		7/20/2020 19:42	7.19
		7/21/2020 9:18	7.21
		7/21/2020 19:18	7.19
		7/22/2020 9:53	7.14
		7/22/2020 14:11	7.09
		7/22/2020 19:33	7.12
		7/23/2020 10:27	7.10
		7/23/2020 20:50	7.07
		7/24/2020 10:30	7.21
		7/24/2020 20:06	7.21
		7/25/2020 9:51	7.19
		7/25/2020 19:51	7.16
		7/26/2020 10:49	7.20
		7/26/2020 20:33	7.23
		7/27/2020 12:29	7.16
		7/27/2020 21:25	7.20
		7/28/2020 10:14	7.19
		7/28/2020 20:03	7.17
		7/29/2020 10:23	7.22
		7/29/2020 20:10	7.26
		7/30/2020 10:59	7.25
		7/30/2020 18:54	7.21
		7/31/2020 13:14	7.20
		7/31/2020 19:25	7.23
		8/1/2020 10:27	7.27
		8/1/2020 18:47	7.21
		8/2/2020 10:10	7.27
		8/2/2020 18:40	7.22
		8/3/2020 10:30	7.31
		8/3/2020 19:26	7.26
		8/4/2020 8:53	7.18
		8/4/2020 19:41	7.14
		8/5/2020 10:32	7.19

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 12:12	----
		7/17/2020 17:50	19
		7/19/2020 19:17	17
		7/20/2020 10:14	18
		7/20/2020 19:42	32
		7/21/2020 9:18	17
		7/21/2020 19:18	18
		7/22/2020 9:53	17
		7/22/2020 14:11	17
		7/22/2020 19:33	16
		7/23/2020 10:27	16
		7/23/2020 20:50	17
		7/24/2020 10:30	17
		7/24/2020 20:06	16
		7/25/2020 9:51	16
		7/25/2020 19:51	16
		7/26/2020 10:49	16
		7/26/2020 20:33	16
		7/27/2020 12:29	15
		7/27/2020 21:25	15
		7/28/2020 10:14	16
		7/28/2020 20:03	15
		7/29/2020 10:23	15
		7/29/2020 20:10	16
		7/30/2020 10:59	15
		7/30/2020 18:54	15
		7/31/2020 13:14	16
		7/31/2020 19:25	18
		8/1/2020 10:27	16
		8/1/2020 18:47	16
		8/2/2020 10:10	----
		8/2/2020 18:40	16
		8/3/2020 10:30	16
		8/3/2020 19:26	16
		8/4/2020 8:53	16
		8/4/2020 19:41	15
		8/5/2020 10:32	15

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 12:12	< DL
		7/17/2020 17:50	< DL
		7/19/2020 19:17	< DL
		7/20/2020 10:14	< DL
		7/20/2020 19:42	< DL
		7/21/2020 9:18	< DL
		7/21/2020 19:18	< DL
		7/22/2020 9:53	< DL
		7/22/2020 14:11	< DL
		7/22/2020 19:33	< DL
		7/23/2020 10:27	< DL
		7/23/2020 20:50	< DL
		7/24/2020 10:30	< DL
		7/24/2020 20:06	< DL
		7/25/2020 9:51	< DL
		7/25/2020 19:51	< DL
		7/26/2020 10:49	< DL
		7/26/2020 20:33	< DL
		7/27/2020 12:29	< DL
		7/27/2020 21:25	< DL
		7/28/2020 10:14	< DL
		7/28/2020 20:03	< DL
		7/29/2020 10:23	< DL
		7/29/2020 20:10	< DL
		7/30/2020 10:59	< DL
		7/30/2020 18:54	< DL
		7/31/2020 13:14	< DL
		7/31/2020 19:25	< DL
		8/1/2020 10:27	< DL
		8/1/2020 18:47	< DL
		8/2/2020 10:10	< DL
		8/2/2020 18:40	< DL
		8/3/2020 10:30	< DL
		8/3/2020 19:26	< DL
		8/4/2020 8:53	< DL
		8/4/2020 19:41	< DL
		8/5/2020 10:32	< DL

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 12:12	----
		7/17/2020 17:50	2064
		7/19/2020 19:17	2050
		7/20/2020 10:14	2055
		7/20/2020 19:42	1958
		7/21/2020 9:18	2068
		7/21/2020 19:18	1950
		7/22/2020 9:53	2001
		7/22/2020 14:11	2010
		7/22/2020 19:33	2002
		7/23/2020 10:27	1973
		7/23/2020 20:50	2039
		7/24/2020 10:30	2039
		7/24/2020 20:06	1960
		7/25/2020 9:51	1966
		7/25/2020 19:51	1983
		7/26/2020 10:49	1958
		7/26/2020 20:33	1939
		7/27/2020 12:29	1908
		7/27/2020 21:25	1869
		7/28/2020 10:14	1862
		7/28/2020 20:03	1884
		7/29/2020 10:23	1870
		7/29/2020 20:10	1897
		7/30/2020 10:59	1931
		7/30/2020 18:54	1889
		7/31/2020 13:14	1899
		7/31/2020 19:25	1882
		8/1/2020 10:27	1884
		8/1/2020 18:47	1932
		8/2/2020 10:10	----
		8/2/2020 18:40	1886
		8/3/2020 10:30	1899
		8/3/2020 19:26	1904
		8/4/2020 8:53	1876
		8/4/2020 19:41	1810
		8/5/2020 10:32	1813

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Specific Conductance	µS/cm	7/17/2020 12:12	10620
		7/17/2020 17:50	10400
		7/19/2020 19:17	10530
		7/20/2020 10:14	10460
		7/20/2020 19:42	10330
		7/21/2020 9:18	10530
		7/21/2020 19:18	10490
		7/22/2020 9:53	10400
		7/22/2020 14:11	10250
		7/22/2020 19:33	10310
		7/23/2020 10:27	10480
		7/23/2020 20:50	10520
		7/24/2020 10:30	10420
		7/24/2020 20:06	10320
		7/25/2020 9:51	10340
		7/25/2020 19:51	10320
		7/26/2020 10:49	10220
		7/26/2020 20:33	10170
		7/27/2020 12:29	9990
		7/27/2020 21:25	9930
		7/28/2020 10:14	9820
		7/28/2020 20:03	9940
		7/29/2020 10:23	9840
		7/29/2020 20:10	9900
		7/30/2020 10:59	9950
		7/30/2020 18:54	10000
		7/31/2020 13:14	10100
		7/31/2020 19:25	10040
		8/1/2020 10:27	10150
		8/1/2020 18:47	10150
		8/2/2020 10:10	10190
		8/2/2020 18:40	10250
		8/3/2020 10:30	10250
		8/3/2020 19:26	10280
		8/4/2020 8:53	10330
		8/4/2020 19:41	10420
		8/5/2020 10:32	10290

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 12:12	3.731
		7/17/2020 17:50	3.7
		7/19/2020 19:17	3.7
		7/20/2020 10:14	3.7
		7/20/2020 19:42	3.8
		7/21/2020 9:18	3.7
		7/21/2020 19:18	3.7
		7/22/2020 9:53	3.7
		7/22/2020 14:11	3.7
		7/22/2020 19:33	3.7
		7/23/2020 10:27	3.6
		7/23/2020 20:50	3.6
		7/24/2020 10:30	3.5
		7/24/2020 20:06	3.6
		7/25/2020 9:51	3.6
		7/25/2020 19:51	3.6
		7/26/2020 10:49	3.6
		7/26/2020 20:33	3.5
		7/27/2020 12:29	3.4
		7/27/2020 21:25	3.4
		7/28/2020 10:14	3.7
		7/28/2020 20:03	3.6
		7/29/2020 10:23	3.4
		7/29/2020 20:10	3.4
		7/30/2020 10:59	3.5
		7/30/2020 18:54	3.5
		7/31/2020 13:14	3.6
		7/31/2020 19:25	3.6
		8/1/2020 10:27	3.6
		8/1/2020 18:47	3.7
		8/2/2020 10:10	3.8
		8/2/2020 18:40	3.9
		8/3/2020 10:30	3.9
		8/3/2020 19:26	3.9
		8/4/2020 8:53	4.0
		8/4/2020 19:41	4.0
		8/5/2020 10:32	4.0

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 12:12	5579
		7/17/2020 17:50	5405
		7/19/2020 19:17	5412
		7/20/2020 10:14	5419
		7/20/2020 19:42	5402
		7/21/2020 9:18	5437
		7/21/2020 19:18	5424
		7/22/2020 9:53	5416
		7/22/2020 14:11	5404
		7/22/2020 19:33	5319
		7/23/2020 10:27	5273
		7/23/2020 20:50	5281
		7/24/2020 10:30	5214
		7/24/2020 20:06	5209
		7/25/2020 9:51	5192
		7/25/2020 19:51	5073
		7/26/2020 10:49	5065
		7/26/2020 20:33	4946
		7/27/2020 12:29	4900
		7/27/2020 21:25	4909
		7/28/2020 10:14	4906
		7/28/2020 20:03	4810
		7/29/2020 10:23	4869
		7/29/2020 20:10	4873
		7/30/2020 10:59	4892
		7/30/2020 18:54	4937
		7/31/2020 13:14	5030
		7/31/2020 19:25	5039
		8/1/2020 10:27	5053
		8/1/2020 18:47	5064
		8/2/2020 10:10	5093
		8/2/2020 18:40	5093
		8/3/2020 10:30	5069
		8/3/2020 19:26	5393
		8/4/2020 8:53	5521
		8/4/2020 19:41	5474
		8/5/2020 10:32	5399

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 12:12	0.91
		7/17/2020 17:50	0.93
		7/19/2020 19:17	0.93
		7/20/2020 10:14	0.95
		7/20/2020 19:42	0.96
		7/21/2020 9:18	0.95
		7/21/2020 19:18	0.97
		7/22/2020 9:53	0.96
		7/22/2020 14:11	0.99
		7/22/2020 19:33	0.97
		7/23/2020 10:27	0.96
		7/23/2020 20:50	0.97
		7/24/2020 10:30	0.93
		7/24/2020 20:06	0.96
		7/25/2020 9:51	0.95
		7/25/2020 19:51	0.96
		7/26/2020 10:49	0.97
		7/26/2020 20:33	0.95
		7/27/2020 12:29	0.92
		7/27/2020 21:25	0.90
		7/28/2020 10:14	0.97
		7/28/2020 20:03	0.94
		7/29/2020 10:23	0.91
		7/29/2020 20:10	0.92
		7/30/2020 10:59	0.96
		7/30/2020 18:54	0.98
		7/31/2020 13:14	1.01
		7/31/2020 19:25	1.01
		8/1/2020 10:27	1.00
		8/1/2020 18:47	1.00
		8/2/2020 10:10	1.01
		8/2/2020 18:40	1.01
		8/3/2020 10:30	1.00
		8/3/2020 19:26	1.01
		8/4/2020 8:53	1.01
		8/4/2020 19:41	0.99
		8/5/2020 10:32	0.99

Groundwater Quality Data By Parameter, Well 1011

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 12:12	0.001
		7/17/2020 17:50	0.002
		7/19/2020 19:17	0.001
		7/20/2020 10:14	0.000
		7/20/2020 19:42	0.001
		7/21/2020 9:18	0.001
		7/21/2020 19:18	0.001
		7/22/2020 9:53	0.001
		7/22/2020 14:11	0.000
		7/22/2020 19:33	0.001
		7/23/2020 10:27	0.001
		7/23/2020 20:50	0.002
		7/24/2020 10:30	0.001
		7/24/2020 20:06	0.001
		7/25/2020 9:51	0.003
		7/25/2020 19:51	0.004
		7/26/2020 10:49	0.003
		7/26/2020 20:33	0.004
		7/27/2020 12:29	0.005
		7/27/2020 21:25	0.004
		7/28/2020 10:14	0.005
		7/28/2020 20:03	0.005
		7/29/2020 10:23	0.005
		7/29/2020 20:10	0.005
		7/30/2020 10:59	0.006
		7/30/2020 18:54	0.005
		7/31/2020 13:14	0.003
		7/31/2020 19:25	0.004
		8/1/2020 10:27	0.004
		8/1/2020 18:47	0.004
		8/2/2020 10:10	0.004
		8/2/2020 18:40	0.005
		8/3/2020 10:30	0.005
		8/3/2020 19:26	0.004
		8/4/2020 8:53	0.006
		8/4/2020 19:41	0.004
		8/5/2020 10:32	0.005

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Alkalinity, Total (as $CaCO_3$)	mg/L	7/17/2020 12:25	572
		7/17/2020 18:00	598
		7/20/2020 10:22	580
		7/21/2020 19:25	568
		7/23/2020 10:36	572
		7/25/2020 9:59	560
		7/25/2020 19:58	564
		7/26/2020 11:04	564
		7/26/2020 20:42	568
		7/27/2020 12:43	562
		7/27/2020 21:37	552
		7/28/2020 10:23	540
		7/28/2020 20:19	572
		7/29/2020 10:43	548
		7/29/2020 20:20	562
		7/30/2020 11:15	544
		7/30/2020 19:05	558
		7/31/2020 13:37	560
		7/31/2020 19:41	566
		8/1/2020 10:46	530
		8/2/2020 10:30	558
		8/3/2020 10:47	558
		8/4/2020 9:02	548
		8/5/2020 10:38	550

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Calcium	mg/L	7/17/2020 12:25	254
		7/17/2020 18:00	263
		7/20/2020 10:22	258
		7/21/2020 19:25	265
		7/23/2020 10:36	264
		7/25/2020 9:59	279
		7/25/2020 19:58	263
		7/26/2020 11:04	266
		7/26/2020 20:42	263
		7/27/2020 12:43	261
		7/27/2020 21:37	259
		7/28/2020 10:23	260
		7/28/2020 20:19	266
		7/29/2020 10:43	256
		7/29/2020 20:20	288
		7/30/2020 11:15	258
		7/30/2020 19:05	263
		7/31/2020 13:37	289
		7/31/2020 19:41	266
		8/1/2020 10:46	261
		8/2/2020 10:30	259
		8/3/2020 10:47	---
		8/4/2020 9:02	263
		8/5/2020 10:38	261

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Chloride	mg/L	7/17/2020 12:25	489
		7/17/2020 18:00	485
		7/20/2020 10:22	484
		7/21/2020 19:25	486
		7/23/2020 10:36	489
		7/25/2020 9:59	485
		7/25/2020 19:58	484
		7/26/2020 11:04	482
		7/26/2020 20:42	482
		7/27/2020 12:43	482
		7/27/2020 21:37	480
		7/28/2020 10:23	478
		7/28/2020 20:19	477
		7/29/2020 10:43	477
		7/29/2020 20:20	476
		7/30/2020 11:15	477
		7/30/2020 19:05	477
		7/31/2020 13:37	476
		7/31/2020 19:41	473
		8/1/2020 10:46	475
		8/2/2020 10:30	473
		8/3/2020 10:47	471
		8/4/2020 9:02	468
		8/5/2020 10:38	467

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Dissolved Oxygen	mg/L	7/17/2020 12:25	1.1
		7/17/2020 18:00	1.1
		7/20/2020 10:22	1.1
		7/21/2020 19:25	1.6
		7/23/2020 10:36	1.2
		7/25/2020 9:59	1.7
		7/25/2020 19:58	---
		7/26/2020 11:04	1.6
		7/26/2020 20:42	---
		7/27/2020 12:43	1.1
		7/27/2020 21:37	---
		7/28/2020 10:23	1.2
		7/28/2020 20:19	---
		7/29/2020 10:43	1.0
		7/29/2020 20:20	---
		7/30/2020 11:15	1.6
		7/30/2020 19:05	---
		7/31/2020 13:37	1.0
		7/31/2020 19:41	---
		8/1/2020 10:46	1.3
		8/2/2020 10:30	1.1
		8/3/2020 10:47	1.1
		8/4/2020 9:02	1.0
		8/5/2020 10:38	1.1

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Dissolved Organic Carbon	mg/L	7/17/2020 12:25	---
		7/17/2020 18:00	---
		7/20/2020 10:22	---
		7/21/2020 19:25	---
		7/23/2020 10:36	---
		7/25/2020 9:59	---
		7/25/2020 19:58	---
		7/26/2020 11:04	---
		7/26/2020 20:42	---
		7/27/2020 12:43	---
		7/27/2020 21:37	---
		7/28/2020 10:23	---
		7/28/2020 20:19	---
		7/29/2020 10:43	---
		7/29/2020 20:20	---
		7/30/2020 11:15	---
		7/30/2020 19:05	---
		7/31/2020 13:37	---
		7/31/2020 19:41	---
		8/1/2020 10:46	---
		8/2/2020 10:30	---
		8/3/2020 10:47	---
		8/4/2020 9:02	---
		8/5/2020 10:38	---

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Iodide	mg/L	7/17/2020 12:25	0.50
		7/17/2020 18:00	0.50
		7/20/2020 10:22	0.50
		7/21/2020 19:25	0.50
		7/23/2020 10:36	1.8
		7/25/2020 9:59	3.4
		7/25/2020 19:58	3.4
		7/26/2020 11:04	3.4
		7/26/2020 20:42	3.6
		7/27/2020 12:43	3.5
		7/27/2020 21:37	3.7
		7/28/2020 10:23	3.7
		7/28/2020 20:19	4.0
		7/29/2020 10:43	4.1
		7/29/2020 20:20	4.2
		7/30/2020 11:15	3.9
		7/30/2020 19:05	3.7
		7/31/2020 13:37	3.2
		7/31/2020 19:41	3.0
		8/1/2020 10:46	2.7
		8/2/2020 10:30	2.1
		8/3/2020 10:47	1.6
		8/4/2020 9:02	1.3
		8/5/2020 10:38	0.50

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Total Iron	mg/L	7/17/2020 12:25	0.224
		7/17/2020 18:00	0.244
		7/20/2020 10:22	0.13
		7/21/2020 19:25	-0.02
		7/23/2020 10:36	-0.20
		7/25/2020 9:59	-0.24
		7/25/2020 19:58	-0.26
		7/26/2020 11:04	-0.24
		7/26/2020 20:42	-0.27
		7/27/2020 12:43	-0.27
		7/27/2020 21:37	-0.30
		7/28/2020 10:23	-0.28
		7/28/2020 20:19	-0.28
		7/29/2020 10:43	-0.30
		7/29/2020 20:20	-0.27
		7/30/2020 11:15	-0.30
		7/30/2020 19:05	-0.27
		7/31/2020 13:37	-0.30
		7/31/2020 19:41	-0.22
		8/1/2020 10:46	-0.06
		8/2/2020 10:30	-0.21
		8/3/2020 10:47	---
		8/4/2020 9:02	-0.30
		8/5/2020 10:38	-0.30

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Magnesium	mg/L	7/17/2020 12:25	352
		7/17/2020 18:00	357
		7/20/2020 10:22	360
		7/21/2020 19:25	356
		7/23/2020 10:36	360
		7/25/2020 9:59	381
		7/25/2020 19:58	356
		7/26/2020 11:04	360
		7/26/2020 20:42	355
		7/27/2020 12:43	358
		7/27/2020 21:37	351
		7/28/2020 10:23	358
		7/28/2020 20:19	366
		7/29/2020 10:43	354
		7/29/2020 20:20	392
		7/30/2020 11:15	353
		7/30/2020 19:05	353
		7/31/2020 13:37	395
		7/31/2020 19:41	361
		8/1/2020 10:46	354
		8/2/2020 10:30	353
		8/3/2020 10:47	---
		8/4/2020 9:02	357
		8/5/2020 10:38	352

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Manganese	mg/L	7/17/2020 12:25	1.051
		7/17/2020 18:00	1.08
		7/20/2020 10:22	0.93
		7/21/2020 19:25	0.85
		7/23/2020 10:36	0.77
		7/25/2020 9:59	0.73
		7/25/2020 19:58	0.69
		7/26/2020 11:04	0.65
		7/26/2020 20:42	0.65
		7/27/2020 12:43	0.62
		7/27/2020 21:37	0.60
		7/28/2020 10:23	0.60
		7/28/2020 20:19	0.63
		7/29/2020 10:43	0.58
		7/29/2020 20:20	0.67
		7/30/2020 11:15	0.56
		7/30/2020 19:05	0.57
		7/31/2020 13:37	0.62
		7/31/2020 19:41	0.57
		8/1/2020 10:46	0.55
		8/2/2020 10:30	0.55
		8/3/2020 10:47	----
		8/4/2020 9:02	0.52
		8/5/2020 10:38	0.49

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Molybdenum	mg/L	7/17/2020 12:25	0.325
		7/17/2020 18:00	0.328
		7/20/2020 10:22	0.34
		7/21/2020 19:25	0.34
		7/23/2020 10:36	0.35
		7/25/2020 9:59	0.35
		7/25/2020 19:58	0.35
		7/26/2020 11:04	0.35
		7/26/2020 20:42	0.34
		7/27/2020 12:43	0.34
		7/27/2020 21:37	0.34
		7/28/2020 10:23	0.34
		7/28/2020 20:19	0.36
		7/29/2020 10:43	0.35
		7/29/2020 20:20	0.38
		7/30/2020 11:15	0.35
		7/30/2020 19:05	0.35
		7/31/2020 13:37	0.40
		7/31/2020 19:41	0.36
		8/1/2020 10:46	0.36
		8/2/2020 10:30	0.36
		8/3/2020 10:47	
		8/4/2020 9:02	0.37
		8/5/2020 10:38	0.35

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Nitrate	mg/L	7/17/2020 12:25	0.5
		7/17/2020 18:00	0.5
		7/20/2020 10:22	0.5
		7/21/2020 19:25	0.5
		7/23/2020 10:36	0.5
		7/25/2020 9:59	0.5
		7/25/2020 19:58	0.5
		7/26/2020 11:04	0.5
		7/26/2020 20:42	0.5
		7/27/2020 12:43	0.5
		7/27/2020 21:37	0.5
		7/28/2020 10:23	0.5
		7/28/2020 20:19	0.5
		7/29/2020 10:43	0.5
		7/29/2020 20:20	0.5
		7/30/2020 11:15	0.5
		7/30/2020 19:05	0.5
		7/31/2020 13:37	0.5
		7/31/2020 19:41	0.5
		8/1/2020 10:46	0.5
		8/2/2020 10:30	0.5
		8/3/2020 10:47	0.5
		8/4/2020 9:02	0.5
		8/5/2020 10:38	0.5

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Oxidation Reduction Potential	mV	7/17/2020 12:25	-198.1
		7/17/2020 18:00	-196.1
		7/20/2020 10:22	35.4
		7/21/2020 19:25	54.3
		7/23/2020 10:36	116.2
		7/25/2020 9:59	42.7
		7/25/2020 19:58	52.4
		7/26/2020 11:04	104.9
		7/26/2020 20:42	58.8
		7/27/2020 12:43	48.8
		7/27/2020 21:37	67.4
		7/28/2020 10:23	46.5
		7/28/2020 20:19	22.5
		7/29/2020 10:43	62.8
		7/29/2020 20:20	64.2
		7/30/2020 11:15	118.9
		7/30/2020 19:05	50.4
		7/31/2020 13:37	90.9
		7/31/2020 19:41	58.6
		8/1/2020 10:46	86.9
		8/2/2020 10:30	150
		8/3/2020 10:47	98.4
		8/4/2020 9:02	82.2
		8/5/2020 10:38	135.4

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Pentafluorobenzoate	mg/L	7/17/2020 12:25	0.10
		7/17/2020 18:00	0.10
		7/20/2020 10:22	0.10
		7/21/2020 19:25	0.10
		7/23/2020 10:36	0.10
		7/25/2020 9:59	4.7
		7/25/2020 19:58	4.8
		7/26/2020 11:04	4.6
		7/26/2020 20:42	5.1
		7/27/2020 12:43	5.0
		7/27/2020 21:37	5.0
		7/28/2020 10:23	5.1
		7/28/2020 20:19	4.8
		7/29/2020 10:43	5.0
		7/29/2020 20:20	4.9
		7/30/2020 11:15	4.9
		7/30/2020 19:05	4.4
		7/31/2020 13:37	3.9
		7/31/2020 19:41	3.6
		8/1/2020 10:46	3.6
		8/2/2020 10:30	3.1
		8/3/2020 10:47	2.2
		8/4/2020 9:02	0.20
		8/5/2020 10:38	0.20

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
pH	----	7/17/2020 12:25	7.16
		7/17/2020 18:00	7.17
		7/20/2020 10:22	7.11
		7/21/2020 19:25	7.18
		7/23/2020 10:36	7.04
		7/25/2020 9:59	7.20
		7/25/2020 19:58	7.18
		7/26/2020 11:04	7.15
		7/26/2020 20:42	7.20
		7/27/2020 12:43	7.12
		7/27/2020 21:37	7.17
		7/28/2020 10:23	7.16
		7/28/2020 20:19	7.18
		7/29/2020 10:43	7.15
		7/29/2020 20:20	7.26
		7/30/2020 11:15	7.22
		7/30/2020 19:05	7.18
		7/31/2020 13:37	7.19
		7/31/2020 19:41	7.22
		8/1/2020 10:46	7.26
		8/2/2020 10:30	7.24
		8/3/2020 10:47	7.29
		8/4/2020 9:02	7.18
		8/5/2020 10:38	7.16

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Potassium	mg/L	7/17/2020 12:25	18
		7/17/2020 18:00	19
		7/20/2020 10:22	19
		7/21/2020 19:25	21
		7/23/2020 10:36	19
		7/25/2020 9:59	20
		7/25/2020 19:58	18
		7/26/2020 11:04	18
		7/26/2020 20:42	18
		7/27/2020 12:43	19
		7/27/2020 21:37	18
		7/28/2020 10:23	19
		7/28/2020 20:19	19
		7/29/2020 10:43	18
		7/29/2020 20:20	20
		7/30/2020 11:15	18
		7/30/2020 19:05	18
		7/31/2020 13:37	21
		7/31/2020 19:41	19
		8/1/2020 10:46	19
		8/2/2020 10:30	22
		8/3/2020 10:47	---
		8/4/2020 9:02	22
		8/5/2020 10:38	20

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Selenium	mg/L	7/17/2020 12:25	<DL
		7/17/2020 18:00	<DL
		7/20/2020 10:22	<DL
		7/21/2020 19:25	<DL
		7/23/2020 10:36	<DL
		7/25/2020 9:59	<DL
		7/25/2020 19:58	<DL
		7/26/2020 11:04	<DL
		7/26/2020 20:42	<DL
		7/27/2020 12:43	<DL
		7/27/2020 21:37	<DL
		7/28/2020 10:23	<DL
		7/28/2020 20:19	<DL
		7/29/2020 10:43	<DL
		7/29/2020 20:20	<DL
		7/30/2020 11:15	<DL
		7/30/2020 19:05	<DL
		7/31/2020 13:37	<DL
		7/31/2020 19:41	<DL
		8/1/2020 10:46	<DL
		8/2/2020 10:30	<DL
		8/3/2020 10:47	---
		8/4/2020 9:02	<DL
		8/5/2020 10:38	<DL

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Sodium	mg/L	7/17/2020 12:25	2330
		7/17/2020 18:00	2354
		7/20/2020 10:22	2375
		7/21/2020 19:25	2357
		7/23/2020 10:36	2390
		7/25/2020 9:59	2528
		7/25/2020 19:58	2372
		7/26/2020 11:04	2405
		7/26/2020 20:42	2383
		7/27/2020 12:43	2393
		7/27/2020 21:37	2359
		7/28/2020 10:23	2396
		7/28/2020 20:19	2472
		7/29/2020 10:43	2389
		7/29/2020 20:20	2637
		7/30/2020 11:15	2374
		7/30/2020 19:05	2373
		7/31/2020 13:37	2657
		7/31/2020 19:41	2432
		8/1/2020 10:46	2397
		8/2/2020 10:30	2393
		8/3/2020 10:47	----
		8/4/2020 9:02	2471
		8/5/2020 10:38	2438

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Specific Conductance	uS/cm	7/17/2020 12:25	11340
		7/17/2020 18:00	11150
		7/20/2020 10:22	11050
		7/21/2020 19:25	11230
		7/23/2020 10:36	11300
		7/25/2020 9:59	11350
		7/25/2020 19:58	11460
		7/26/2020 11:04	11400
		7/26/2020 20:42	11440
		7/27/2020 12:43	11440
		7/27/2020 21:37	11420
		7/28/2020 10:23	11320
		7/28/2020 20:19	11410
		7/29/2020 10:43	11320
		7/29/2020 20:20	11370
		7/30/2020 11:15	11260
		7/30/2020 19:05	11250
		7/31/2020 13:37	11340
		7/31/2020 19:41	11390
		8/1/2020 10:46	11370
		8/2/2020 10:30	11310
		8/3/2020 10:47	11360
		8/4/2020 9:02	11320
		8/5/2020 10:38	11230

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Strontium	mg/L	7/17/2020 12:25	4.063
		7/17/2020 18:00	4.127
		7/20/2020 10:22	4.2
		7/21/2020 19:25	4.2
		7/23/2020 10:36	4.2
		7/25/2020 9:59	4.5
		7/25/2020 19:58	4.2
		7/26/2020 11:04	4.2
		7/26/2020 20:42	4.2
		7/27/2020 12:43	4.2
		7/27/2020 21:37	4.1
		7/28/2020 10:23	4.1
		7/28/2020 20:19	4.2
		7/29/2020 10:43	4.1
		7/29/2020 20:20	4.6
		7/30/2020 11:15	4.1
		7/30/2020 19:05	4.1
		7/31/2020 13:37	4.6
		7/31/2020 19:41	4.2
		8/1/2020 10:46	4.1
		8/2/2020 10:30	4.2
		8/3/2020 10:47	---
		8/4/2020 9:02	4.2
		8/5/2020 10:38	4.1

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Sulfate	mg/L	7/17/2020 12:25	5820
		7/17/2020 18:00	5836
		7/20/2020 10:22	5846
		7/21/2020 19:25	5867
		7/23/2020 10:36	5893
		7/25/2020 9:59	5829
		7/25/2020 19:58	5828
		7/26/2020 11:04	5839
		7/26/2020 20:42	5839
		7/27/2020 12:43	6020
		7/27/2020 21:37	6099
		7/28/2020 10:23	5910
		7/28/2020 20:19	5849
		7/29/2020 10:43	5738
		7/29/2020 20:20	5789
		7/30/2020 11:15	5799
		7/30/2020 19:05	5814
		7/31/2020 13:37	5819
		7/31/2020 19:41	5805
		8/1/2020 10:46	5825
		8/2/2020 10:30	5839
		8/3/2020 10:47	5825
		8/4/2020 9:02	5915
		8/5/2020 10:38	5921

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Uranium	mg/L	7/17/2020 12:25	1.042
		7/17/2020 18:00	1.048
		7/20/2020 10:22	1.11
		7/21/2020 19:25	1.11
		7/23/2020 10:36	1.15
		7/25/2020 9:59	1.24
		7/25/2020 19:58	1.16
		7/26/2020 11:04	1.17
		7/26/2020 20:42	1.15
		7/27/2020 12:43	1.17
		7/27/2020 21:37	1.16
		7/28/2020 10:23	1.17
		7/28/2020 20:19	1.20
		7/29/2020 10:43	1.16
		7/29/2020 20:20	1.28
		7/30/2020 11:15	1.16
		7/30/2020 19:05	1.15
		7/31/2020 13:37	1.30
		7/31/2020 19:41	1.18
		8/1/2020 10:46	1.15
		8/2/2020 10:30	1.15
		8/3/2020 10:47	----
		8/4/2020 9:02	1.12
		8/5/2020 10:38	1.09

Groundwater Quality Data By Parameter, Well 1012

Parameter	Units	Sample Date	Result
Vanadium	mg/L	7/17/2020 12:25	0.002
		7/17/2020 18:00	0.002
		7/20/2020 10:22	0.005
		7/21/2020 19:25	0.003
		7/23/2020 10:36	0.004
		7/25/2020 9:59	0.003
		7/25/2020 19:58	0.007
		7/26/2020 11:04	0.005
		7/26/2020 20:42	0.006
		7/27/2020 12:43	0.006
		7/27/2020 21:37	0.006
		7/28/2020 10:23	0.004
		7/28/2020 20:19	0.004
		7/29/2020 10:43	0.006
		7/29/2020 20:20	0.006
		7/30/2020 11:15	0.006
		7/30/2020 19:05	0.006
		7/31/2020 13:37	0.007
		7/31/2020 19:41	0.034
		8/1/2020 10:46	0.005
		8/2/2020 10:30	0.005
		8/3/2020 10:47	----
		8/4/2020 9:02	0.006
		8/5/2020 10:38	0.01