ARSENIC IN THE CENTRAL OKLAHOMA AQUIFER

By

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ARSENIC IN THE CENTRAL

OKLAHOMA AQUIFER

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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

Figure Page

NOMENCLATURE

α	Activity
As^{5+}	Arsenate
As^{3+}	Arsenite
Ca^{2+}	Calcium
Cl^-	Chloride
CO_3^{2-}	Carbonate
EPA	Environmental Protection Agency
Fe	Iron
H^+	Hydrogen
HCO_3^-	Bicarbonate
K^+	Potassium
m	meters
MCL	Maximum Contaminant Level
meq/l	milliequivalents per liter
Mg^{2+}	Magnesium
µg/l	micrograms per liter
mg/l	milligrams per liter
Na^+	Sodium
O^{2-}	Oxygen

ppb	parts per billion
S	Sulfur
SDWA	Safe Drinking Water Act
SO_4^{2-}	Sulfate
s.u.	standard units
TDS	Total Dissolved Solids

CHAPTER ONE

INTRODUCTION

A concentration of 50 micrograms of arsenic per liter of water will contribute to approximately 1 out of every 100 persons developing some form of cancer during their lifetimes (NRC, 1999). Knowing this health risk, an understanding of arsenic in drinking water is essential. In the Oklahoma City, Oklahoma area one finds a considerable amount of arsenic in ground water of the Central Oklahoma Aquifer. With the elevated concentrations of arsenic one finds in the ground water of the Permian red beds that compose the Central Oklahoma Aquifer and the associated health risk of these elevated concentrations, clearly an understanding of this system becomes imperative.

Objectives

This study will first examine the distribution of arsenic in the Central Oklahoma aquifer; that is, it will identify where one finds arsenic in the aquifer, where levels are highest, and what one finds associated with the arsenic. Second, it will determine the possible source of arsenic in the aquifer. Finally, the study will investigate how the ground water reacts with the solid phase materials to mobilize the arsenic.

Federal Regulation Concerning Inorganic Arsenic in Drinking Water

Human Health Concerns

The Environmental Protection Agency (EPA) imposes drinking water standards for arsenic based on human health risk. The criterion on which to base this regulation is a

carcinogenicity of $10^{-4} - 10^{-6}$ risk or lower (EPA, 1999). While there are three primary modes of exposure, namely, oral, dermal, and inhalation, this study will only address oral and dermal as means to expose the human body to arsenic in ground water.

Dermal Exposure. Dermal exposure to arsenic in drinking water is most likely to occur through bathing. Unfortunately, little information is available concerning human exposure to an aqueous solution containing arsenate or arsenite. However, studies using guinea pigs and mice suggest that direct dermal contact may be of concern at high concentration levels, but lower levels are unlikely to cause significant irritation (Table 1; DHHS, 2000).

Species (Strain)	Exposure/ Duration/ Frequency (Specific Route)	System	NOAEL	LOAEL		Chemical Form
				Less Serious	Serious	
ACUTE EXPOSURE						
Immunological/Lymphoreticular						
Gn pig (Hartley)	Once		580 mg/l			As(+3)
Gn pig (Hartley)	Once		4000 mg/l			As(+5)
INTERMEDIATE EXPOSURE						
Systemic						
Mouse (Rockland)	30 wk 11x/wk	Dermal		6 mg/kg/day; F; (gross hyperplasia, ulceration)		As(+3)

LOAEL = lowest-observable-adverse-effect level; NOAEL = no-observable-adverse-effect level; Gn pig = guinea pig; F = female; wk = week(s); x = time(s)

Table 1. Effect from dermal exposure to designated concentrations of inorganic arsenic (adapted from DHHS, 2000).

Oral Exposure. Oral exposure is a much greater concern when addressing the level of arsenic in drinking water. The two primary forms of arsenic in groundwater are arsenous acid (H_3AsO_3) and arsenic acid (H_3AsO_4) with the trivalent arsenite species more prevalent than the pentavalent arsenate. Once in the human body, arsenite inhibits adenosine triphosphate biosynthesis, which may account for some of it's toxicity (NRC, 1999).

Development of a New Standard

Background. In 1942, the United States government established a drinking water standard of 50 parts per billion (ppb), or 50 micrograms per liter (μg/l), for arsenic. With the adoption of the Safe Drinking Water Act (SDWA) in 1974, the EPA set 50 μg/l as the interim maximum contaminant level (MCL) for total arsenic in drinking water. Amendments to the SDWA in 1986 required the EPA to establish an enforceable MCL for arsenic by 1989; however, due to scientific uncertainty and controversy the EPA did not meet the 1989 goal. Further amendments to the SDWA in 1996 required the EPA to develop a research strategy for arsenic within 180 days of the amendment's enactment; the reviewers of this strategy then asked the EPA to propose a MCL by 2000 and establish a definitive MCL by 2010 or earlier (NRC, 1999).

EPA's 1988 Risk Assessment. Following the 1986 amendments to the SDWA, the EPA published a risk assessment for arsenic in 1988. Using data from a Taiwan study by Tseng et al. (1968) that related elevated cancer rates to elevated arsenic levels in drinking water, the EPA estimated, assuming the average U. S. individual weighs 70 kilograms (kg) and consumes two liters of tap water per day, the lifetime skin cancer risk

associated with a drinking water concentration of 50 μg/l as approximately 2 x 10^{-3} (NRC, 1999). Further analysis indicates that at 50 μg/l the excess lifetime risk of bladder cancer in males may be as high as 1.5 per 1000. Examining the contribution of arsenic to all cancers in both sexes may result in a combined cancer risk approaching 1 in 100 for a drinking water concentration of 50 μg/l (NRC, 1999).

Reducing the Risk. From the 1988 risk assessment and the National Research Council (1999) report, one may recognize that a MCL of 50 μg/l for arsenic exceeds the EPA's goal of 10^{-4} – 10^{-6} risk. On June 22, 2000, the EPA published proposed, health-based, arsenic regulation with a MCL of 5 μg/l (EPA, 2002). However, under pressure from industry, former President Clinton implemented a 10 μg/l MCL just three days before leaving office. Clinton's successor suspended the new rule until February 2002 to allow further research to justify the 10 μg/l standard and the cost associated with compliance.

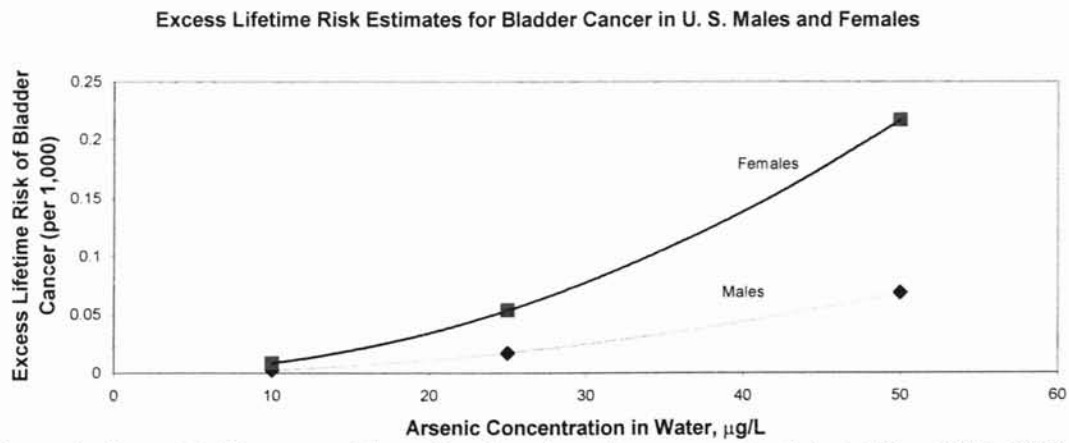

Figure 1. Excess bladder cancer risk as a function of arsenic concentration (adapted from NRC, 1999).

Finally, in March 2002, the EPA published a draft presenting the necessity to adopt a MCL of 10 μg/l for arsenic. The NRC (1999) study indicates that this reduction

could dramatically reduce the lifetime risk of bladder cancer in both males and females (Figure 1). A problem with the NRC study is that it does not adjust for food and cooking water consumption and only examines bladder cancer risk; however, the EPA (2002) report presents findings accounting for food and cooking water Table 2). In addition, the EPA report illustrates how a reduction of the arsenic MCL will reduce mortality and morbidity bladder and lung cancer cases (Table 3).

MCL (μg/l)	Mean Exposed Population Risk	90th Percentile Exposed Population Risk
3	.11 - 1.25 x 10^{-4}	.22 - 2.42 x 10^{-4}
5	.27 - 2.02 x 10^{-4}	.55 - 3.9 x 10^{-4}
10	.63 - 2.99 x 10^{-4}	1.32 - 6.09 x 10^{-4}
20	1.1 - 3.85 x 10^{-4}	2.47 - 8.37 x 10^{-4}

Table 2. Cancer risks for U. S. populations at various proposed MCLs. Lower bound adjusted for food and cooking water, upper bound not adjusted for food and cooking water (adapted from EPA, 2002).

Arsenic Level (μg/l)	Reduced Mortality Cases	Reduced Morbidity Cases	Total Cancer Cases Avoided
3	32.6 - 74.1	24.6 - 64.2	57.2 - 138.3
5	29.1 - 53.7	22.0 - 46.5	51.1 - 100.2
10	21.3 - 29.8	16.1 - 25.9	37.4 - 55.7
20	10.2 - 11.3	8.5 - 8.8	19.0 -19.8

Table 3. Annual bladder and lung cancer cases avoided from reducing arsenic in public drinking water. Mortality based on U. S. rates of 25% for bladder cancer and 88% for lung cancer (from EPA, 2002).

Previous Investigations

The U. S. Geological Survey published five reports over the Central Oklahoma Aquifer as part of the National Water-Quality Assessment. These reports touched on several aspects of the aquifer, such as: diagenesis, geochemistry, hydrologic properties, and aqueous geochemistry. However, when discussing arsenic, the study failed to account for a reduction in the MCL despite indications of an impending reduction.

Method of Investigation

This study required the collection of a vast amount of water quality data. Collection began at the United States Geological Survey database for hydrologic information, namely, the National Water Information System. This data is available for download as text files, which one may easily convert to a Microsoft Excel format. Next, a search of the Environmental Protection Agency database revealed water quality data available as a Microsoft Excel Pivot Table. Merging these two databases provided several hundred water analyses.

Importing the data into EnviroData, a program designed for relational management of site environmental data (Rich, 2000), eased storage, tracking, sorting, and analysis. Using the database one may easily compile needed data, create reports, and export necessary information for use in other applications. Using EnviroData, the writer sorted and exported the analyses into multiple Excel workbooks. Once in Excel format, the author performed necessary calculations and comparisons.

CHAPTER TWO

DESCRIPTION OF THE STUDY UNIT

Areal Extent

The Central Oklahoma Aquifer underlies approximately 8,000 square kilometers of central Oklahoma including all or parts of Cleveland, Lincoln, Logan, Oklahoma, Payne, and Pottawatomie counties (Figure 2). Parkhurst, Christenson, and Schlottmann (1989) define the hydrologic boundaries of the aquifer as the Cimarron and Canadian rivers to the north and south respectively, the Hennessey Group, which acts as the upper confining unit, and the Vanoss Formation, which acts as the lower confining unit (Figure 3).

Geology

Stratigraphy

Five units define the Central Oklahoma Aquifer: (1) the Hennessey Group, (2) the Garber Sandstone, (3) the Wellington Formation, (4) the Chase, Council Grove, and Admire Groups (undivided), and (5) the Vanoss Formation. Reddish-brown shale, mudstone, and very-fine grained sandstone compose the overlying Hennessey Group. Below the Hennessey Group, lenticular beds of fine-grained sandstone, with interbedded siltstone, mudstone, and conglomerate, form the lithologically similar Garber Sandstone and Wellington Formation, which range from approximately 355 to 490 meters thick (Christenson, Morton, and Mesander, 1992). Next, the Chase, Council Grove, and

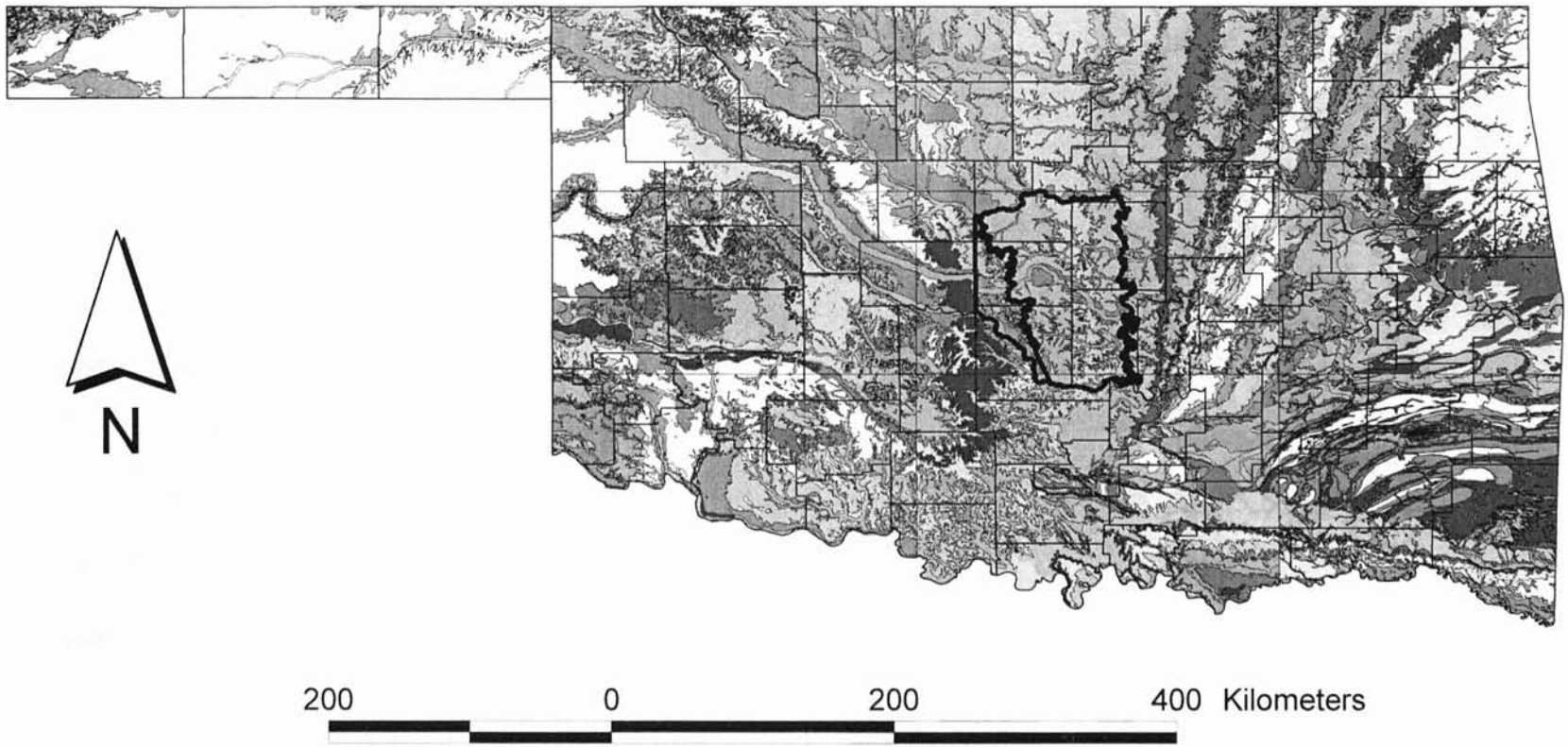

Figure 2. Map of Oklahoma, Counties, and Central Oklahoma Aquifer boundaries.

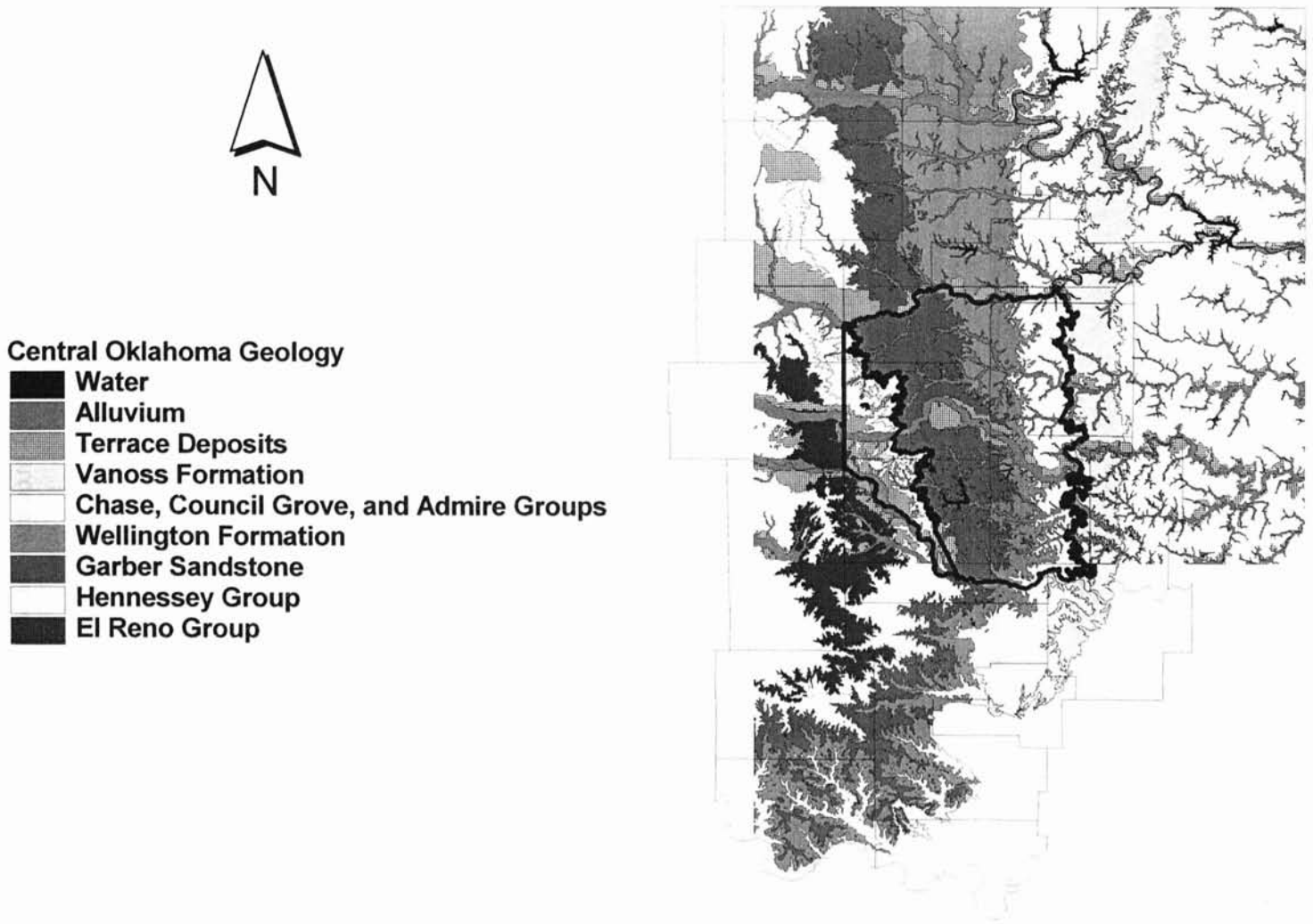

Figure 3. Generalized geologic map of central Oklahoma with aquifer boundaries.

Admire Groups, consisting of mudstone, fine-grained sandstone, and conglomerate, with a combined thickness of about 170 to 285 meters, comprise the eastern portion of the aquifer (Christenson, Morton, and Mesander, 1992). Finally, mudstone and a few thin beds of fine-grained sandstone compose the underlying Vanoss Formation (Figure 4; Breit, 1998).

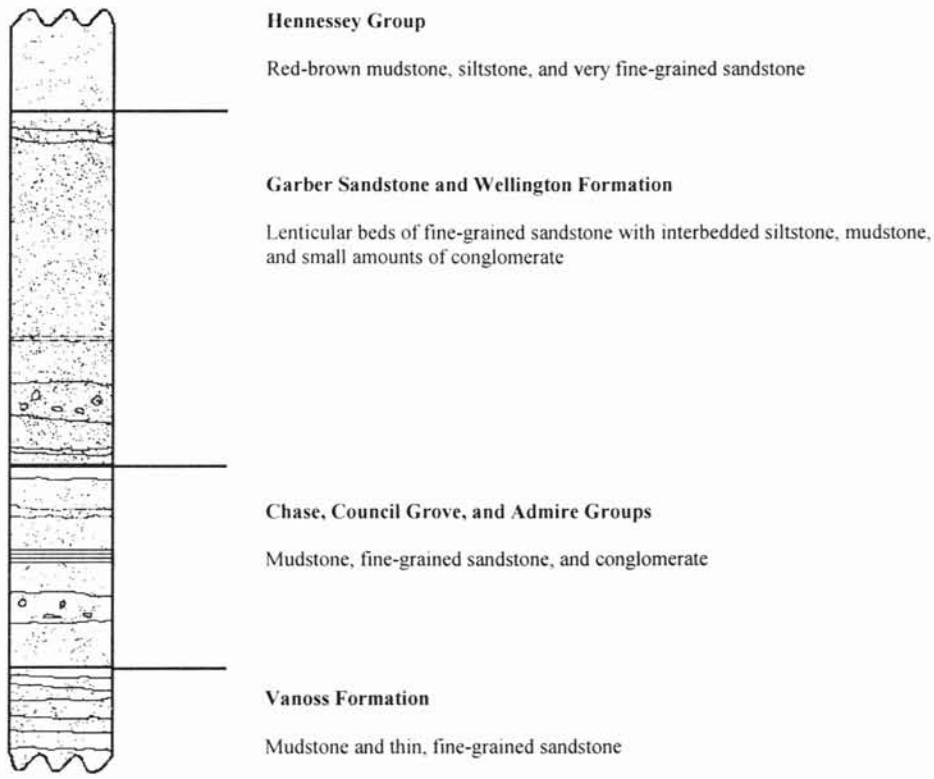

Figure 4. Generalized stratigraphic column of the Central Oklahoma aquifer (adapted from Breit,1998).

Petrology

Detrital Constituents. According to Witt (2001), the majority of the grains that compose the Permian rocks in the study area are monocrystalline quartz with minor amounts of plagioclase and rock fragments (carbonate, siltstone, chert, polycrystalline

quartz, and metamorphics); trace detrital constituents include muscovite, zircon, and tourmaline. Along with monocrystalline quartz, Breit (1998) indicates that illite comprises a major portion of the detrital constituents. Consistent with similar depositional environment, source unit, and burial history, the mineral assemblage is similar in all of the Permian units; therefore, one may class the sandstone in the aquifer as a sublitharenite (Folk, 1980).

Authigenic Constituents. Dolomite, quartz overgrowths, calcite, hematite, goethite, kaolinite, manganese oxides, and barite, common authigenic minerals, formed within the aquifer after deposition as pore filling cements, coatings on detrital grains, and, locally, to replace detrital grains; in addition, one finds small black zones (less than one centimeter) of rare authigenic minerals with large concentrations of selenium, uranium, and vanadium disseminated throughout the aquifer (Breit, 1998). Of particular interest are the authigenic minerals that give the rocks in the aquifer their red or yellow-brown color. Hematite, the mineral responsible for the red color, grains range from ultrafine pigment to specular. The yellow-brown iron oxides include goethite and other less crystalline phases that form ultrafine pigment and coatings on constituents such as, kaolinite, hematite, quartz overgrowths, and occasionally dolomite (Breit, 1998). Breit (1998) also detected large concentrations of arsenic in some yellow-brown iron oxides.

Diagenesis

Deposition. Deposition of the Permian beds began as rivers carried sediment west and north from the Ouachita uplift in the southeast toward the epeiric sea (Figure 5; Breit, 1998; Wicander, and Monroe, 1993). Generally dry conditions, with intermittent wet

periods that enhanced chemical weathering, are consistent with the bedded evaporite deposits west of the aquifer. Variations in hematite indicate an intricate reddening sequence (Witt, 2001). Periods of oxidation destroyed organic matter and minerals that were stable in reducing environments while producing the red color of the Permian beds (Table 4; Breit, 1998).

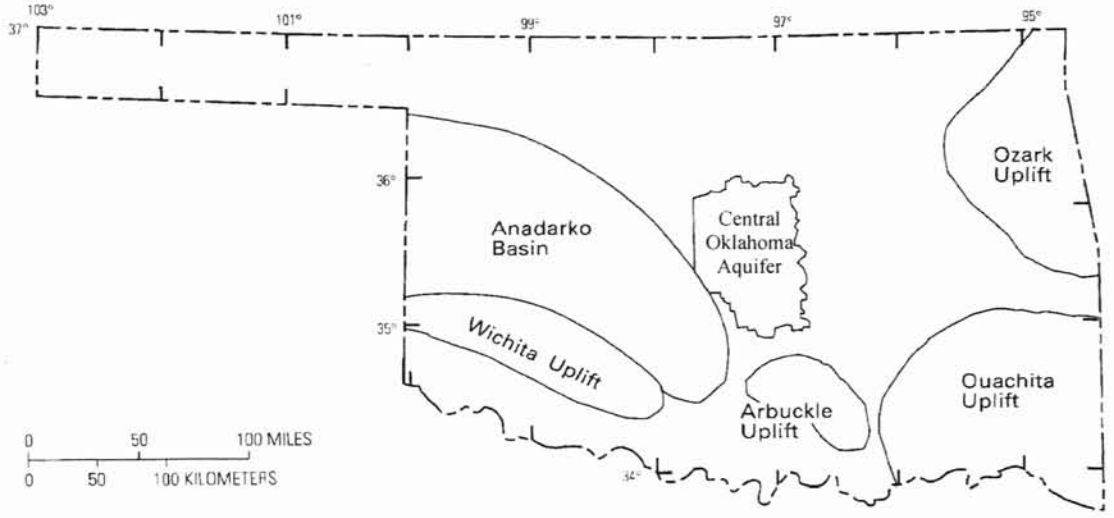

Figure 5. Approximate locations of Anadarko Basin and uplifts that affected deposition of the Permian rocks in the Central Oklahoma Aquifer (adapted from Breit, 1998).

Burial. Diagenetic activity began after shallow burial with precipitation of dolomite cement, quartz overgrowths, barite and some hematite. During this period, pore-water composition consisted of seawater altered by evaporation (Breit, 1998). Parkhurst, Christenson, and Breit (1993) assert that saline solutions found below the aquifer may be remnants of this pore-water.

Mineral	Sediment Deposition	Burial	Exposure
Dolomite	**Precipitation:** micritic cement; sparry dolomite in mudstone clasts	**Precipitation:** sparry dolomite cement; $\delta^{18}O$ consistent with seawater	**Dissolution:** pitted surfaces; voids within sparry crystals
Calcite	**Precipitation(?):** probably the original mineral in pedogenic nodules	**Dolomitization:** absence of early-formed calcite	**Precipitation:** after quartz overgrowths, $\delta^{18}O$ consistent with metoric water **Dissolution:** in shallow aquifer - voids within sparry cement, etch pits
Hematite	**Precipitation:** around burrows, oxidation of ferroan carbonates, oxidation of pyrite(?)	**Precipitation:** continued oxidation of ferroan silicates (biotite)	**Unknown**
Manganese Oxides	**Unknown:** probably formed by oxidation during pedogenesis	**Dissolution(?):** high manganese content of dolomite indicates reduction of manganese in oxides	**Precipitation:** cement of quartz grains, box-work after dolomite
Goethite	**Precipitation:** preserved in sparry dolomite cement and under quartz overgrowths, precipitated during pedogenesis?	**Recrystallization:** altered to hematite?	**Precipitation(?):** overgrowths on hematite, lining of voids that lack other cements; in outcrop, it is abundant near fractures
Kaolinite	**Precipitation:** discrete laminae in siltstone, inclusions in dolomite	**Unknown**	**Precipitation:** pore-filling clay on quartz overgrowths near dissolved feldspar
Quartz Overgrowths	**Unknown**	**Precipitation:** absence of overgrowths in dolomite-cemented rocks, inclusions of iron oxide, common beneath calcite cement	**Precipitation:** likely sink of silica released from dissolved framework silicates
Chert	**Detrital phase**	**Unknown**	**Dissolution:** voids with remnant texture that are surrounded by quartz rims, not compacted or filled by other minerals
Barite	**Unknown**	**Precipitation:** replacement of gypsum; formed after hematite; $\delta^{34}S$ values are consistent with Permian seawater	**Dissolution(?):** scattered prismatic crystals in pores are irregular and embayed
Feldspar	**Dissolution:** partially dissolved grains within dolomite cement	**Unknown**	**Dissolution:** skeletal grains within voids that are not compacted, or cemented

Table 4. Evidence for mineral alteration within Permian rocks in the Central Oklahoma aquifer. From Breit, 1998.

Exposure. Exposure and erosion during the Tertiary and Quaternary provided the opportunity for meteoric water, primarily from precipitation, to become the principal source of aquifer recharge. As meteoric water moves through the rock it dilutes and displaces the remnant saline water (Parkhurst, Christenson, and Breit, 1993). This recharge water also reacts with the solid phase materials; these reactions appear to favor oxidation, which leads to the formation of manganese oxide, goethite, and many other rare minerals (Breit, 1998).

Hydrogeology

The Central Oklahoma Aquifer consists of both confined and unconfined portions. Large amounts of mudstone and siltstone in the Hennessey allow one to consider it a confining unit for the western portion of the aquifer; however, the dip of the unit leaves the eastern portion exposed. The Pennsylvanian Vanoss Formation serves as the lower confining layer (Figure 6). Flow is greatest in the central portion of the aquifer where it is thickest and contains the highest percentage of sandstone. Also, flow is greater in the Garber Sandstone and Wellington Formation where wells typically produce 10 to 25 liters per second; whereas, the Chase, Council Grove, and Admire Groups typically produce 0.63 to 6.3 liters per second (Christenson, 1998).

Using median values for the aquifer properties Christenson, Parkhurst, and Breit (1998) developed a finite-difference groundwater flow model to simulate flow in the aquifer. Using transmissivity values of 24 to 42 square meters per day, a horizontal hydraulic conductivity of 1.4 meters per day, a ratio of horizontal to vertical hydraulic conductivity of 10,000, a porosity of .22, a storage coefficient of .0002, and a recharge

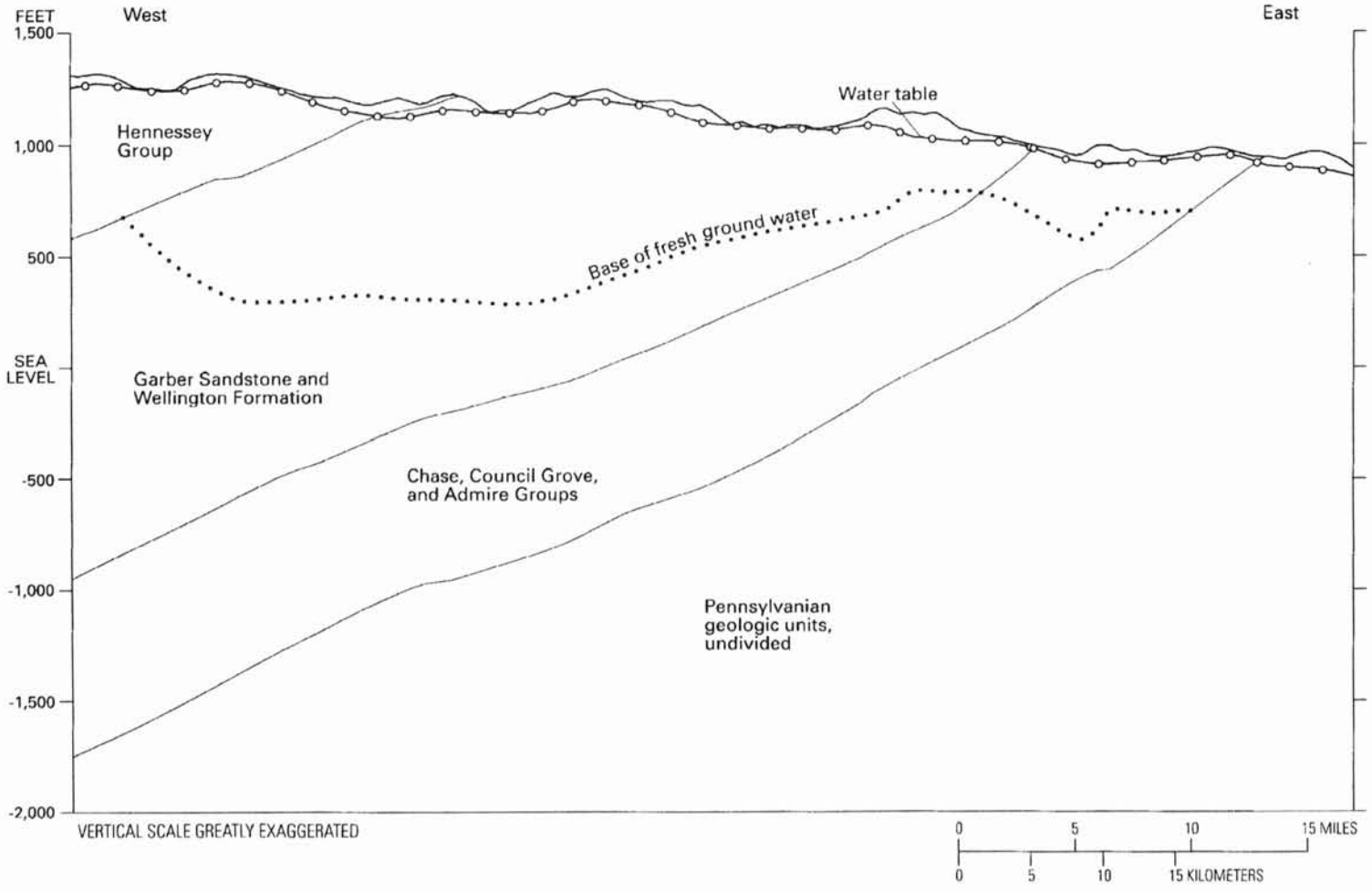

Figure 6. Cross-section through the Central Oklahoma Aquifer (from Christenson, 1998).

rate of 41 millimeters per year they identified three distinct flow systems: (1) shallow, unconfined; (2) deep, unconfined; and (3) deep, confined. Flux and aqueous geochemistry define these three systems.

Precipitation recharges groundwater in the shallow flow system where it travels along fairly short flow lines to discharge in the nearest stream; transit times are tens to hundreds of years. The rapid flux is responsible for removing most of the dolomite, calcite, and exchangeable sodium. Recharge along groundwater divides contributes to the deep flow system in the unconfined portion of the aquifer; transit times may exceed 5,000 years along some flow lines. While this lower flux is able to remove most of the exchangeable sodium, significant carbonate minerals remain. Finally, recharge from a small portion of the outcrop area and leakage from the Hennessey Group contribute to the deep flow system in the confined portion of the aquifer; transit times vary from thousands to tens of thousands of years. Flux is insufficient to remove either carbonate minerals or exchangeable sodium (Christenson, Parkhurst, and Breit, 1998). See Figure 7 for a representation of flow paths in the aquifer.

The above description of flow in the aquifer is accurate as long as the unstated, yet primary, assumption is accurate; namely, that the aquifer behaves solely as a porous and unfractured medium. Such an assumption is unlikely and though the model may serve well as a general guide, one must examine the fractures in detail. With large concentrations of arsenic located in some of the yellow-brown iron oxides found in the aquifer, and in goethite, that is abundant near fractures, one must examine how the fracture flow affects the distribution and occurrence of arsenic.

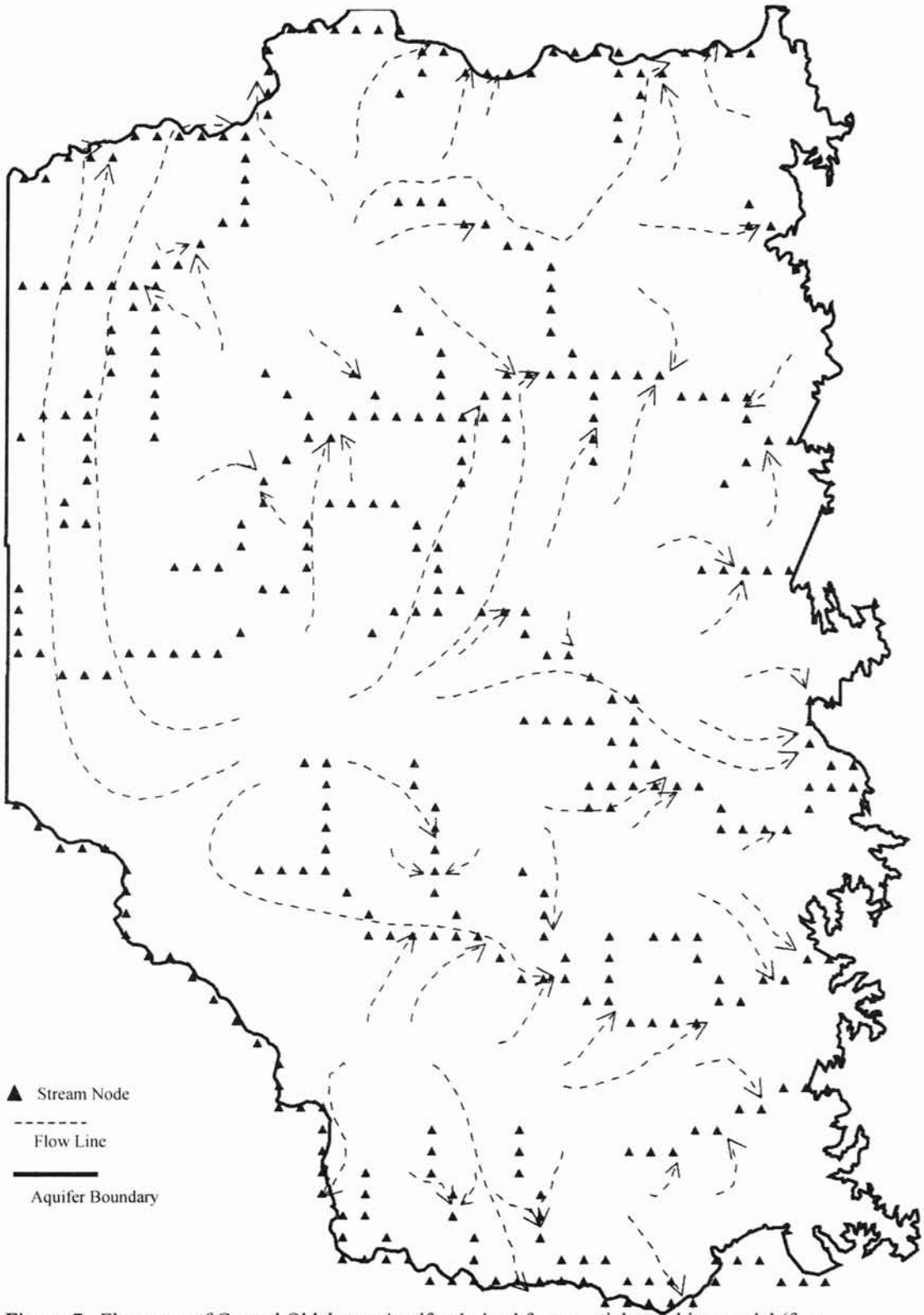

Figure 7. Flow map of Central Oklahoma Aquifer derived from particle-tracking model (from Christenson, Parkhurst, and Breit, 1998)

CHAPTER THREE

AQUEOUS GEOCHEMISTRY

Major-Ion Geochemistry

For the purpose of this section, the writer chose to eliminate several analyses from evaluation, primarily those located in the northwest quadrant of the study area. The writer removed these data because of dubious reliability, as documented in appendix B, or unreported values of major ions and insufficient data to estimate values necessary for calculations. As the primary purpose of this paper is to investigate arsenic in the Central Oklahoma Aquifer, editing does not distract significantly from that endeavor.

Using templates from Back (1961) (Figure 8), analyses from the shallow unconfined zone of the aquifer group in the bicarbonate range on the anion facies and the calcium-sodium range of the cation facies (Figure 9). Calcium, magnesium, and carbonate dominate the chemical signature of water in this zone, however, one observes a trend toward the sodium apex of the cation triangle. This trend indicates that some ion exchange is taking place (Hounslow, 1995).

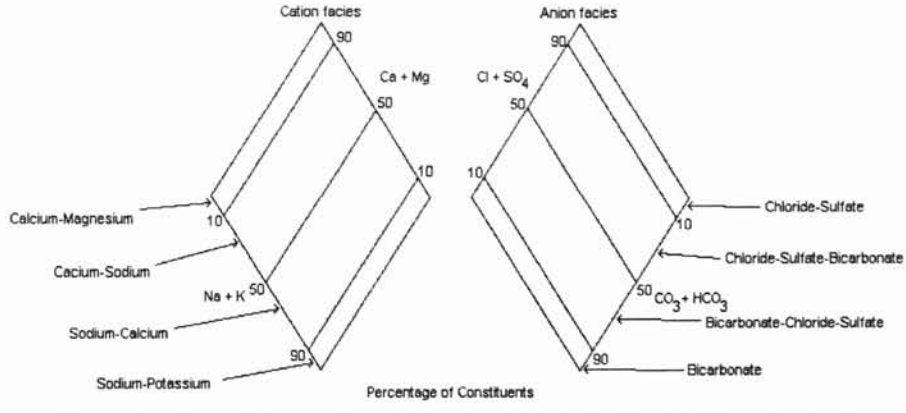

Figure 8. Templates for classifying waters into facies for cations and anions (from Domenico and Schwartz, 1998)

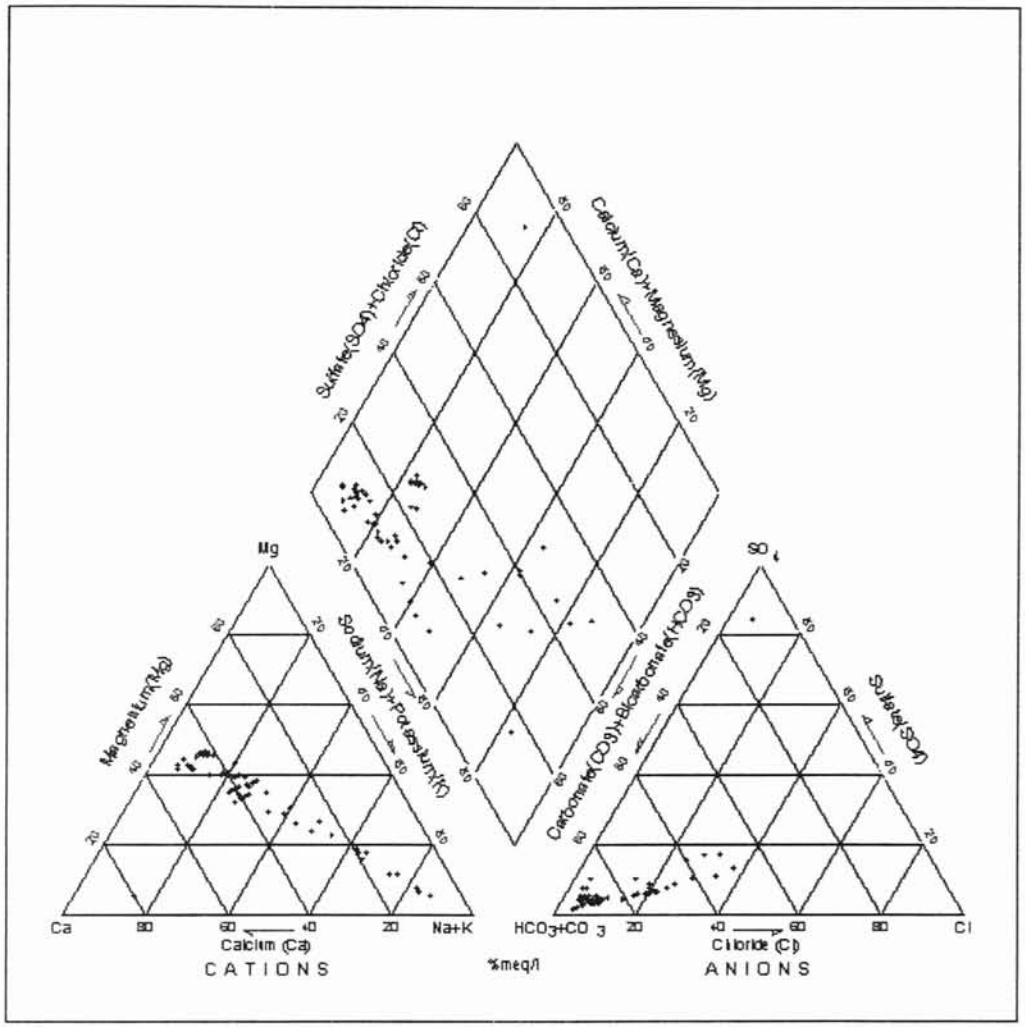

Figure 9. Piper plot of the shallow unconfined zone.

In the deep unconfined zone, one notices a grouping of samples similar to the shallow unconfined zone (Figure 10). While the samples continue to plot in the bicarbonate range of the anion facies, they tend to shift toward the calcium-magnesium range of the cation facies. Decreased flux is probably responsible for this shift. The pattern of the cation triangle indicates continuing ion exchange with an increase in dissolved sodium relative to calcium and magnesium. However, the plots of both

toward the carbonate apex of the anion triangle and toward the magnesium side of the cation triangle indicate carbonate weathering is the primary source of dissolved solids in these samples.

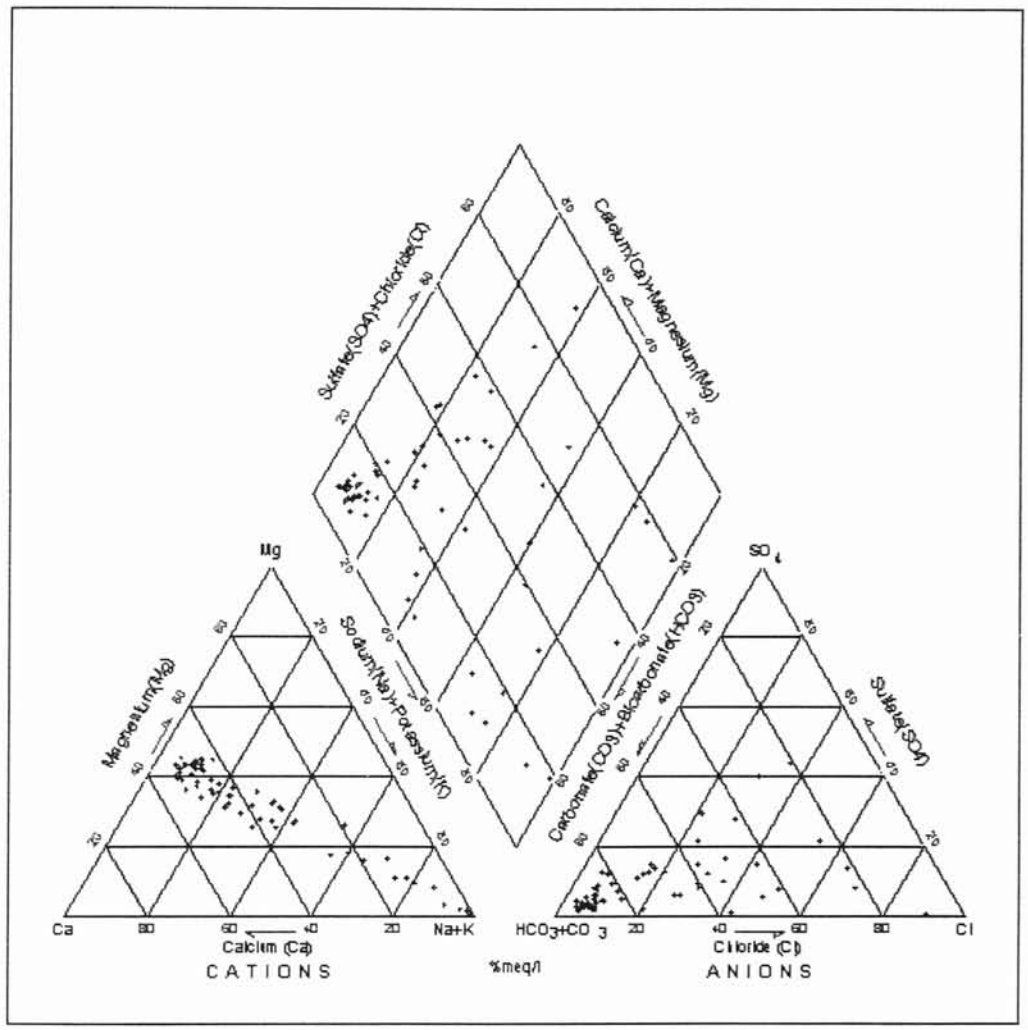

Figure 11. Piper plot of the unconfined zone, unreported depths.

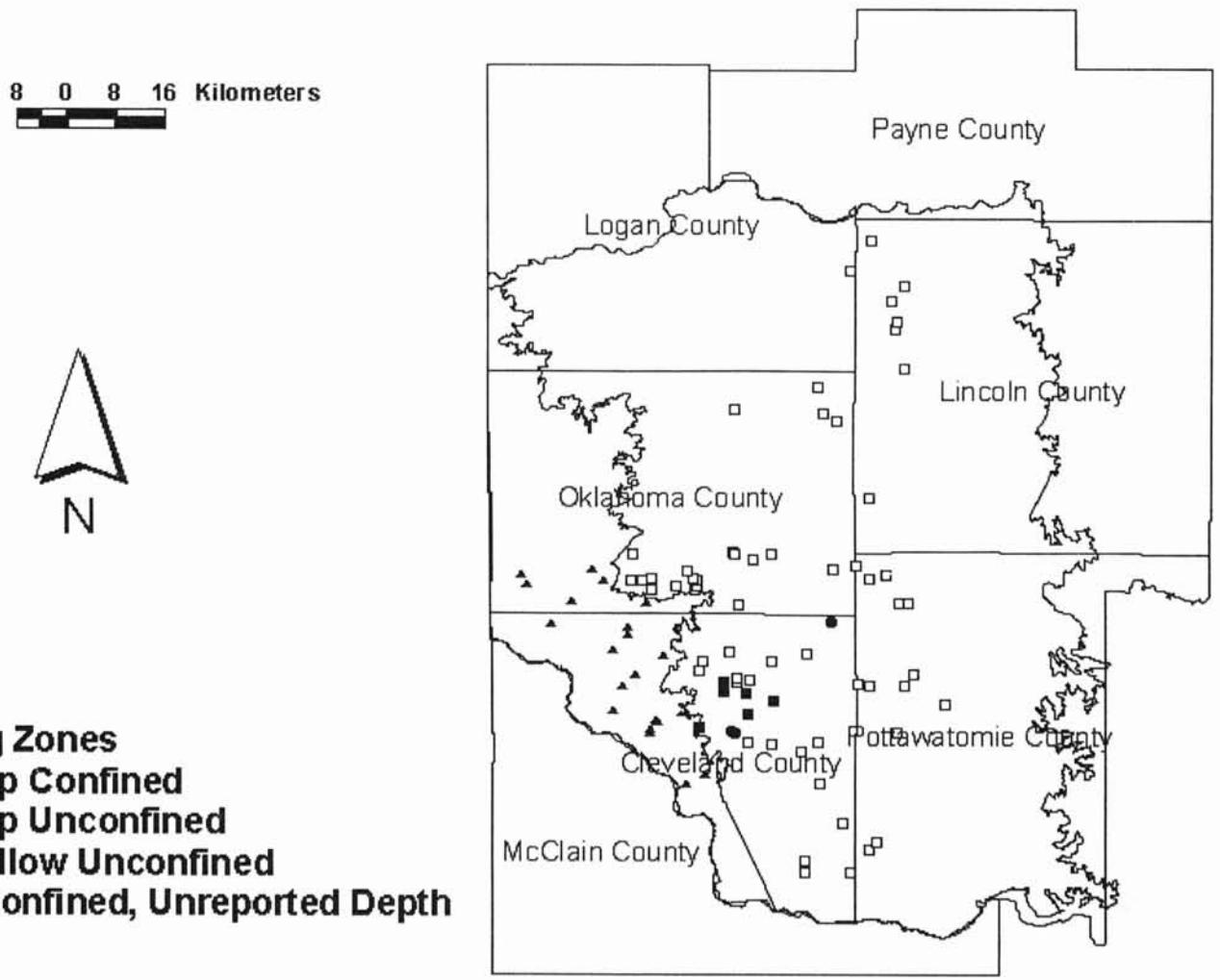

Figure 12. Map illustrating the location of wells and sampling zones in the Central Oklahoma Aquifer.

Finally, one observes a dramatic change in the chemical analyses in the deep confined portions of the aquifer (Figure 13). Analyses from the confined zone group in the lower apex of the diamond; that is, they group in the bicarbonate region of the anion facies and the sodium-potassium region of the cation facies. This change is likely a result

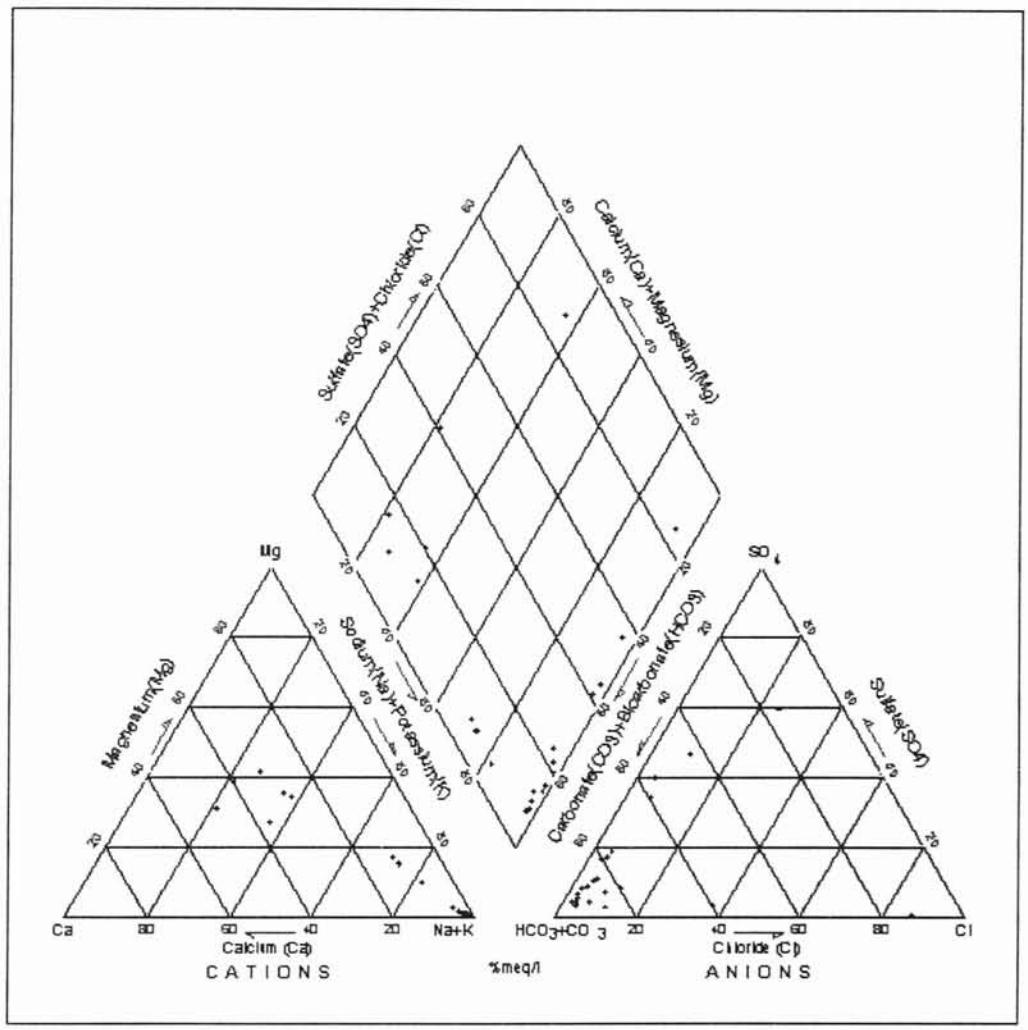

Figure 13. Piper plot of the deep confined zone.

of the low flux in the deep confined zone. Breit (1998) suggests remnants from an epeiric sea may be partly responsible for the increased sodium concentrations.

Christianson (1998) illustrates (Figure 6) the base of fresh water, determined by total dissolved solids, as a fluctuating line through the aquifer. However, that diagram may mislead if one does not examine the areal distribution of total dissolved solids (Figure 14). The map indicates a group of high total dissolved solids samples, as expected, in the west-central portion of the study area; however, samples in the south-central and some in Logan county are high as well. Furthermore, some wells, such as well number 352703097302401, in the Garber Sandstone average high total dissolved solids levels regardless of depth.

Naturally Occurring Trace Elements

Nearly all trace elements occur, to some extent, in the Central Oklahoma Aquifer (see appendix C). Predominate ions are barium, boron, iron, and fluoride. One commonly finds barite ($BaSO_4$) as roses, which likely formed by the reaction of barium with sulfate in the epeiric sea. Dissolved fluoride probably originates from the weathering of fluorite (CaF_2) and boron from the weathering of evaporite deposits.

Iron is the most readily perceived constituent in the aquifer. When approaching most outcrops one immediately sees the distinctive reddish-brown color of hematite (Fe_2O_3). Witt (2001) demonstrates how hematite constitutes a considerable portion of the aquifer and how it is associated with other iron hydroxides.

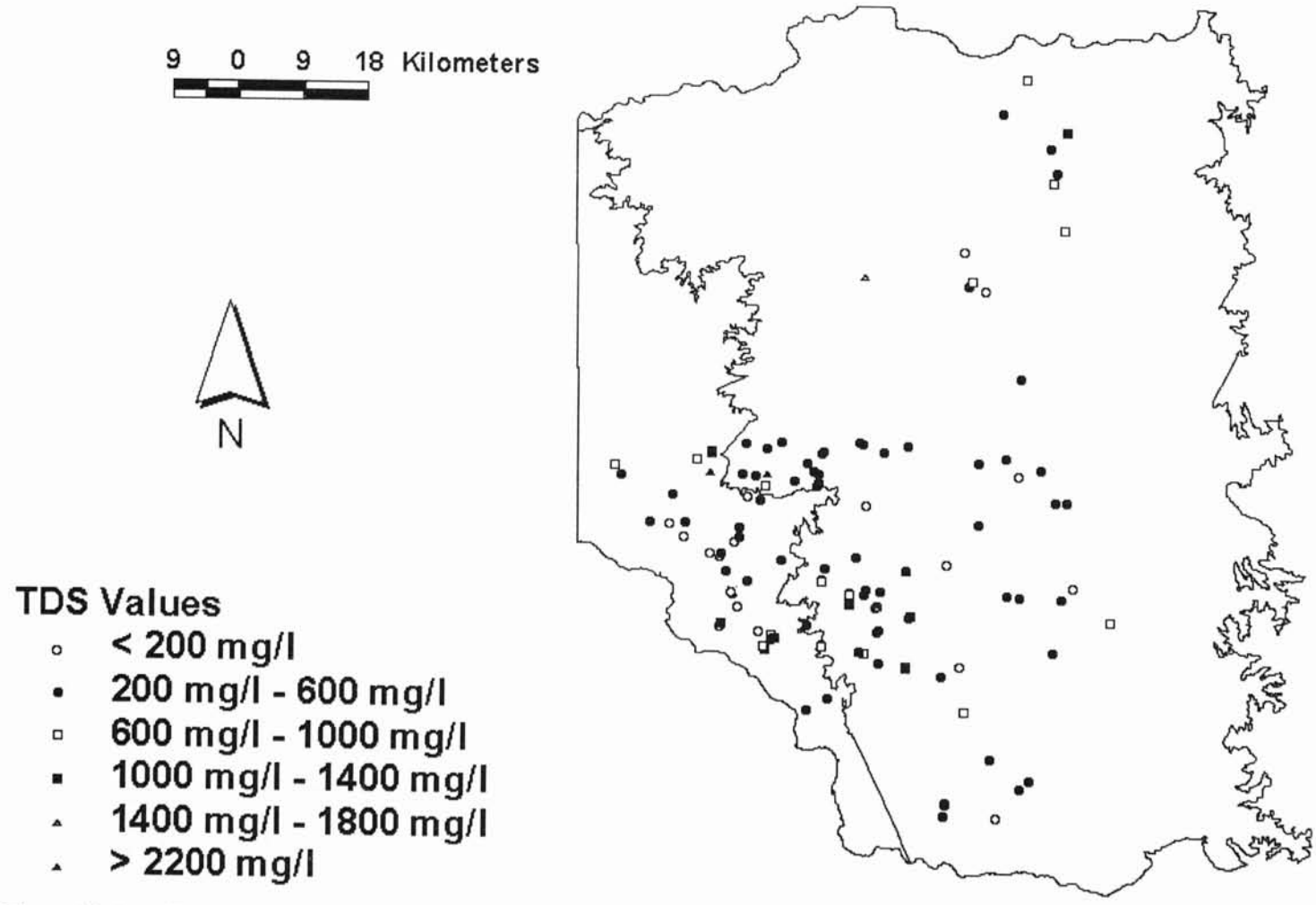

Figure 14. Map illustrating total dissolved solids levels in the Central Oklahoma Aquifer.

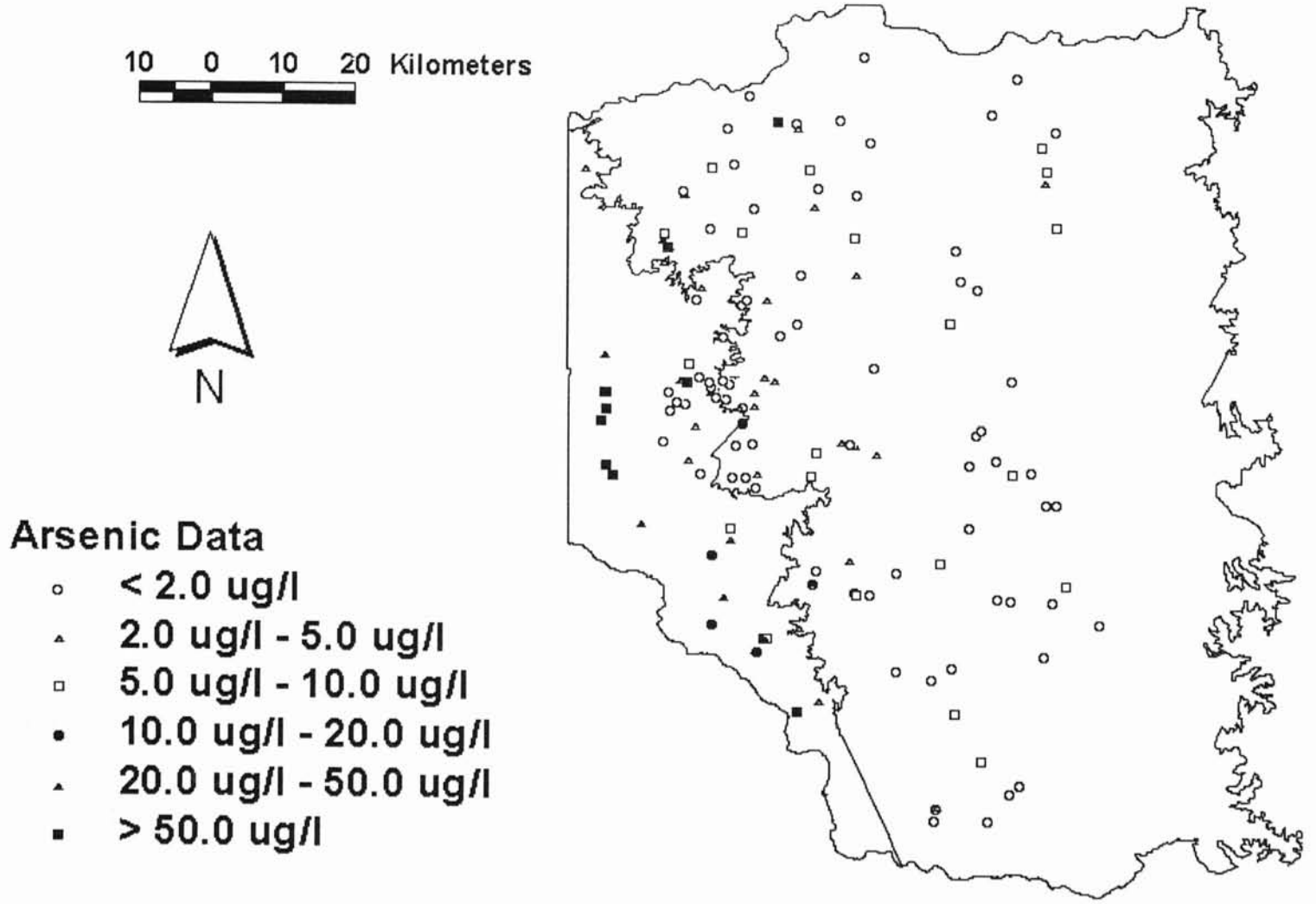

Figure 15. Map illustrating arsenic concentrations in the Central Oklahoma Aquifer.

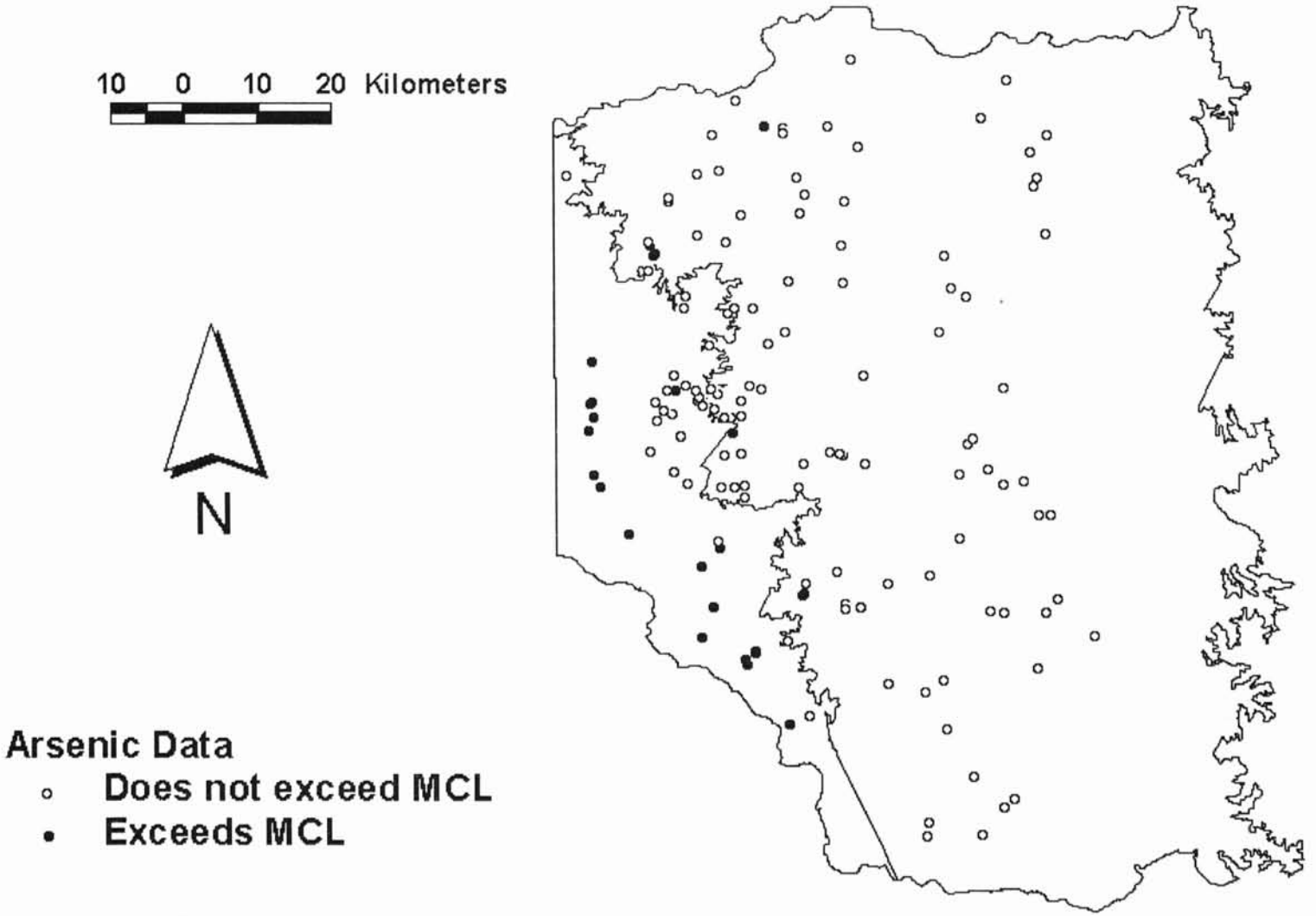

Figure 16. Map illustrating locations that exceed the Environmental Protection Agency's maximum contaminant level in the Central Oklahoma Aquifer.

Arsenic

Arsenic is a group 15 element with an atomic number of 33, an atomic weight of 74.92, one natural isotope ^{75}As, and four important oxidation states –3, 0, +3 (arsenite), and +5 (arsenate) (Ayres and Hellier, 1998). It is 52nd in abundance among the earth's mineral species with a crustal concentration of approximately 1.8 parts per million (Krauskopf and Bird, 1995). In addition, one finds arsenic in most fresh water.

Distribution

One finds arsenic distributed throughout the Central Oklahoma Aquifer (Figure 15); however, concentrations exceeding the MCL of 10 µg/l are primarily in the western confined zone (Figure 16). Most samples that surpass the MCL are from depths greater than 90 meters (Figure 17). Also, one finds elevated arsenic concentrations associated with high total dissolved solids (Figure 18); that is, samples where the arsenic concentrations go beyond the maximum contaminant level, the total dissolved solids are over 400 mg/l. In addition, raised arsenic concentrations appear to favor high pH areas (Figure 19).

The distribution of arsenic implies that water must travel through a large volume of rock to accumulate large concentrations of the element. Stiff diagrams for the collected water samples (Figure 20) support this implication. The sodium-bicarbonate waters of the deep confined portions of the aquifer are consistent with the flow regimes mentioned in chapter two; that is, there is insufficient flux to remove either the carbonate minerals or the exchangeable sodium. *Prima facie* there may be a relation between

sodium-bicarbonate water and arsenic concentration, however, arsenic levels are likely influenced more by pH and total dissolved solids.

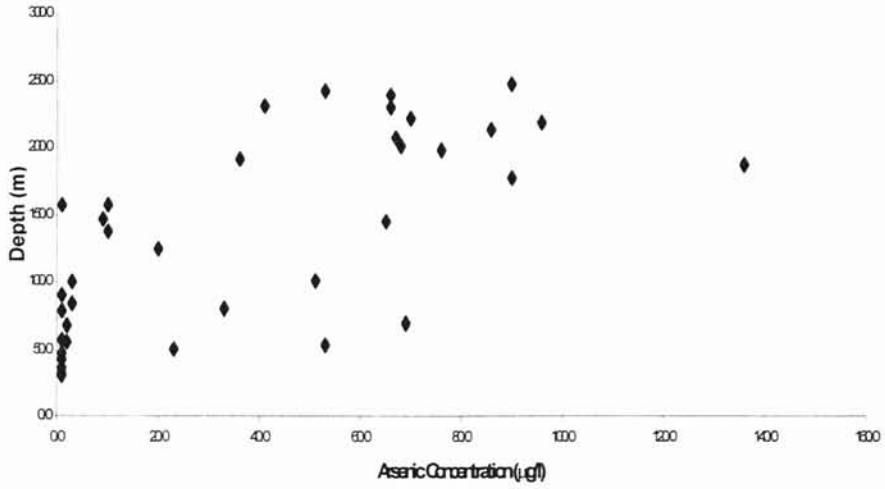

Figure 17. Arsenic concentration versus reported depths.

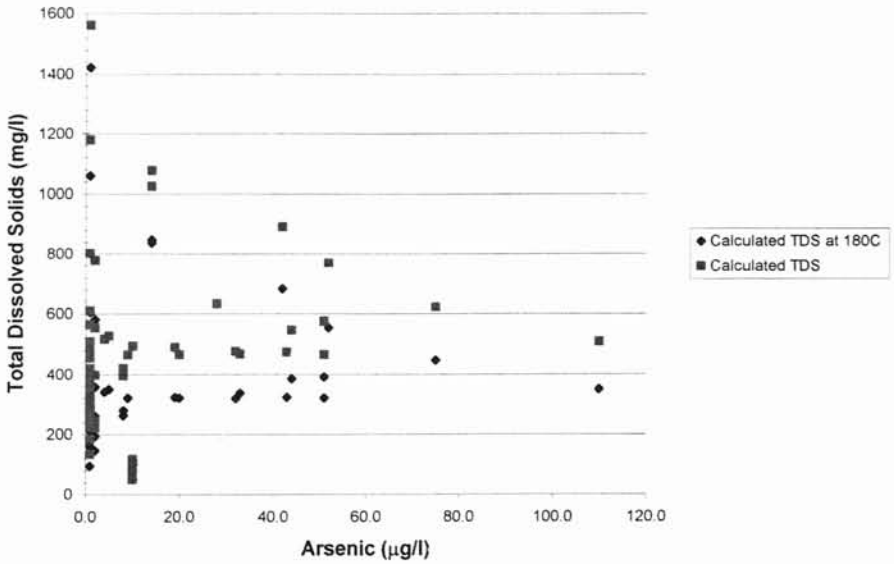

Figure 18. Arsenic concentration versus total dissolved solids.

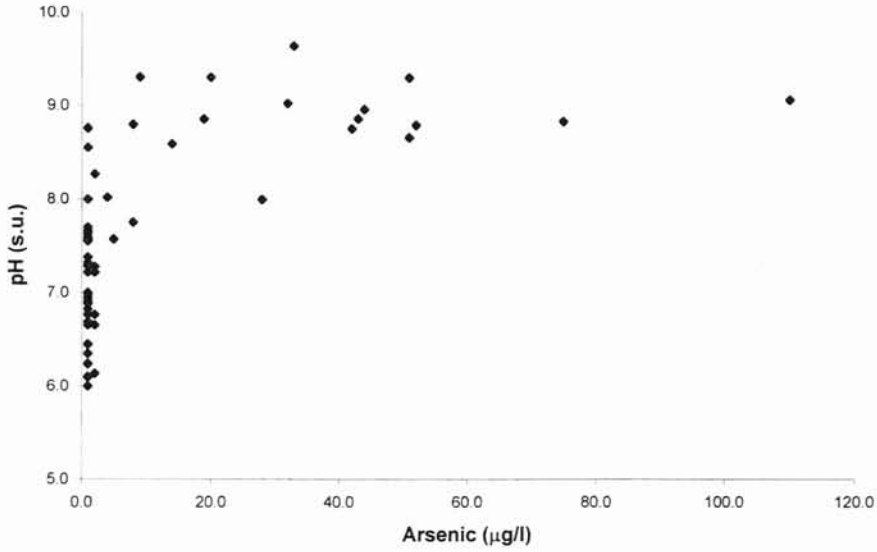

Figure 19. Arsenic concentration versus pH.

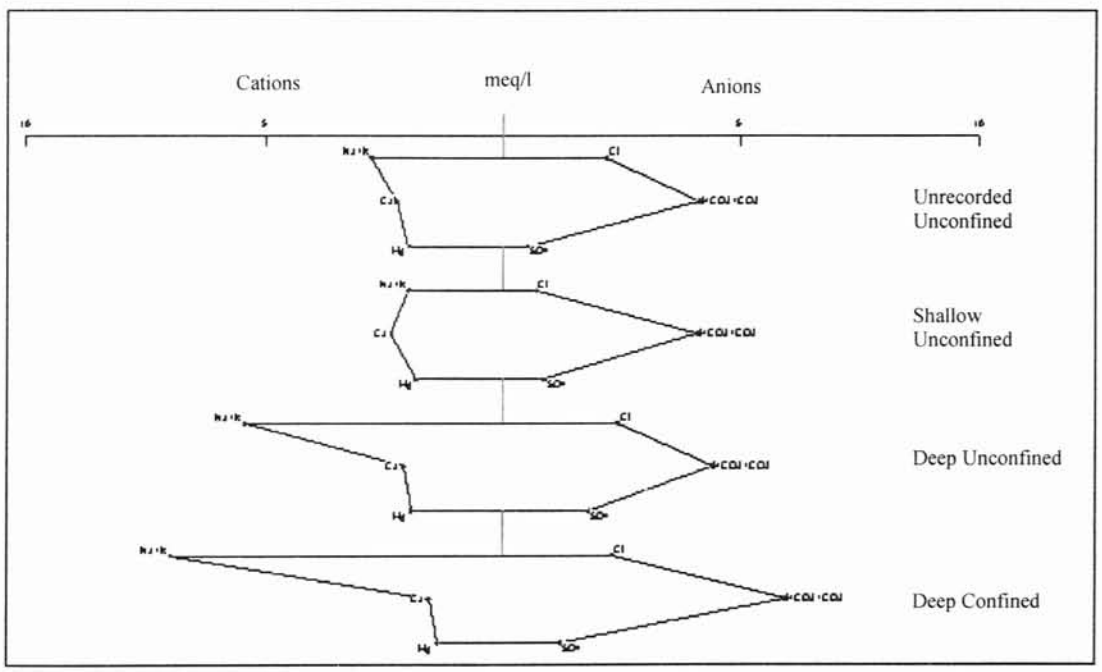

Figure 20. Stiff diagrams constructed using mean values for major constituents found in water samples.

Source

Realgar (AsS) and orpiment (As_2S_3) are minerals associated with hydrothermal deposits (Klein, 1993). Orogenic activity during the late Mississippian and Pennsylvanian periods subdivided Oklahoma into various tectonic provinces and exposed igneous rocks to weathering (Johnson, 1991). During formation of these pre-Cambrian and Cambrian igneous rocks, precipitation of trace amounts of arsenic, gold, silver, and lead minerals was likely. Eh-pH diagrams indicate that realgar and orpiment are stable only in a reducing environment (Figure 21). Therefore, as the orogenic movements transpired, exposing these deposits to oxic weathering conditions, the arsenic probably oxidized and dissociated from the sulfur to form arsenic acid (H_3AsO_4). The arsenic traveled with sediments that helped fill the Anadarko Basin (Johnson, 1991).

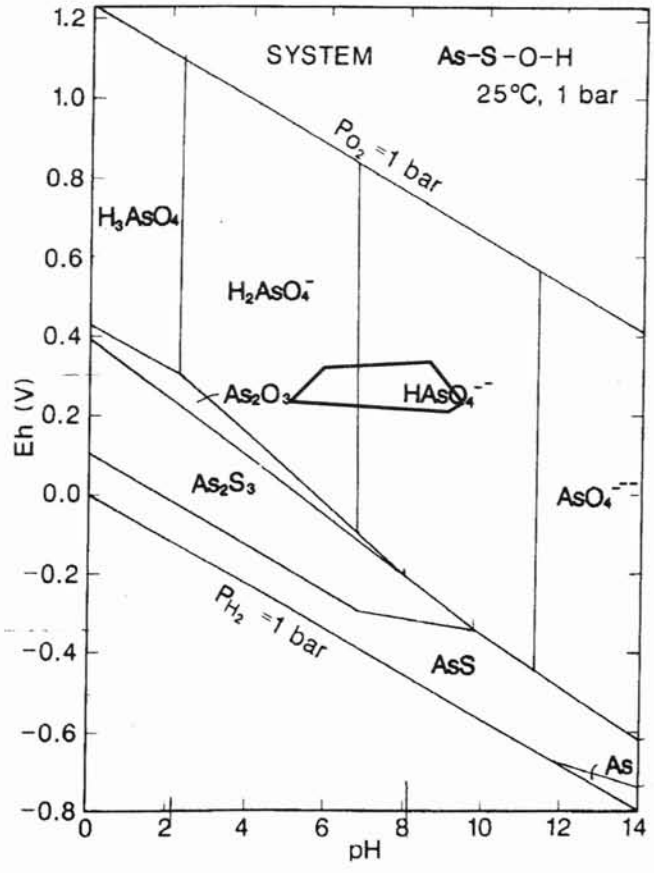

Figure 21. Eh-pH diagram for part of the system As-S-O-H at $\alpha_{As} = 10^{-6}$ and $\alpha_S = 10^{-3}$ (from Brookins, 1988).

Plot of arsenic samples from Central Oklahoma Aquifer water analyses.

Sediments continued to fill the basin trapping some of the arsenic. Petroleum began to precipitate in porous rocks of the basin (Ferguson, 1977). Petroleum formation may have created a reducing environment that altered some of the arsenic acid to arsenious acid (H_3AsO_3) (Figure 22). Trace concentrations of arsenic are common for petroleum deposits (Hoffstader, 1976; Dekkers, 1999).

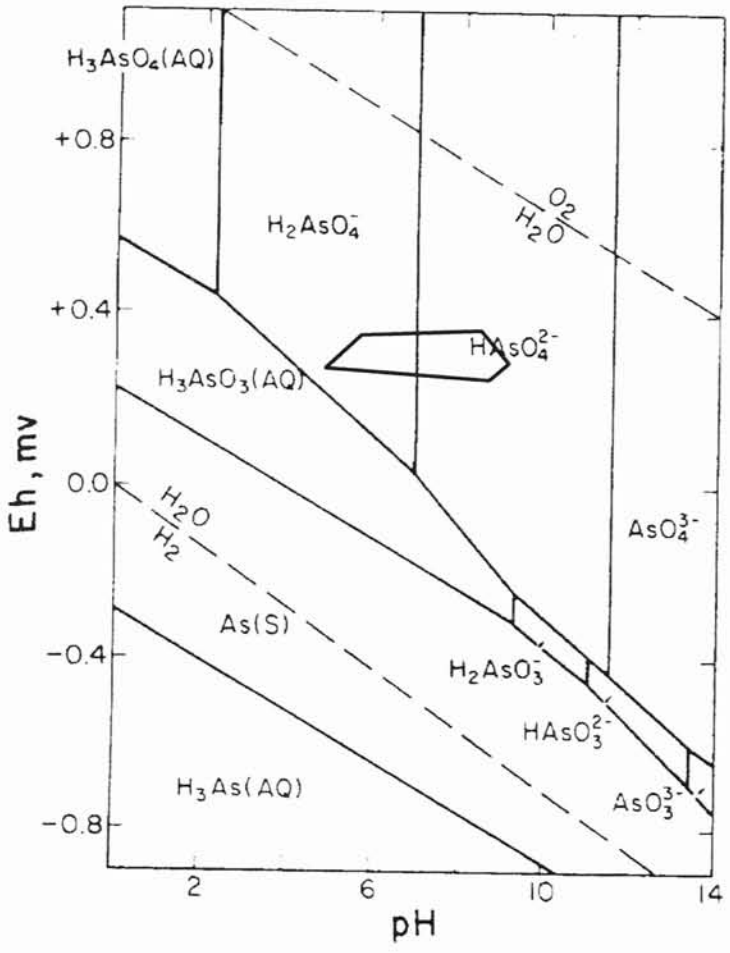

Figure 22 Eh-pH diagram of the arsenic-H_2O system at $\alpha_{As} = 10^{-3}$ (from Dove and Rimstidt, 1985).

Plot of arsenic samples from Central Oklahoma Aquifer water analyses.

As these petroleum deposits grew, they began forcing connate water, with hydrocarbons, up and toward the margins of the basin. The water migrated from the Pennsylvanian strata to the Permian through high angle faults in the region. The hydrocarbons then precipitated from solution in the saline waters of the overlying

Permian rocks, reacting with the sulfate in those waters to produce carbonate cement and hydrogen sulfide (H_2S) (Ferguson, 1977).

As the reaction proceeds, the hydrogen sulfide begins reacting with iron oxide to produce pyrite (FeS_2) (Lilburn and Al-Shaieb, 1983):

$$2H_2S + Fe_2O_3 \longleftrightarrow FeS_2 + 2H_2O + FeO \qquad (4.1)$$

From the Eh-pH diagram for the system Fe-S-O-H, one observes that pyrite is only stable under reducing conditions (Figure 23). Cherry, et al. (1979) demonstrate how hydrogen sulfide can reduce arsenate to arsenite when it is the only dissolved species available to cause the alteration. It is, therefore, reasonable, from the Eh-pH diagram for the system As-Fe-O-H-S and from Cherry, et al. (1979), for hematite and arsenious acid to exist in the same environment (Figure 24).

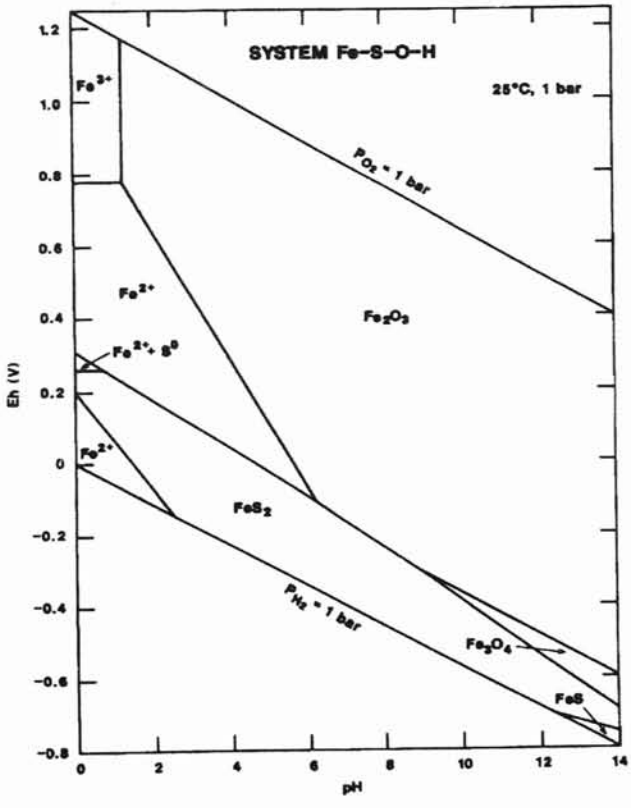

Figure 23. Eh-pH diagram for part of the system Fe-S-O-H at $\alpha_{Fe} = 10^{-6}$ and $\alpha_S = 10^{-3}$ (from Brookins, 1988).

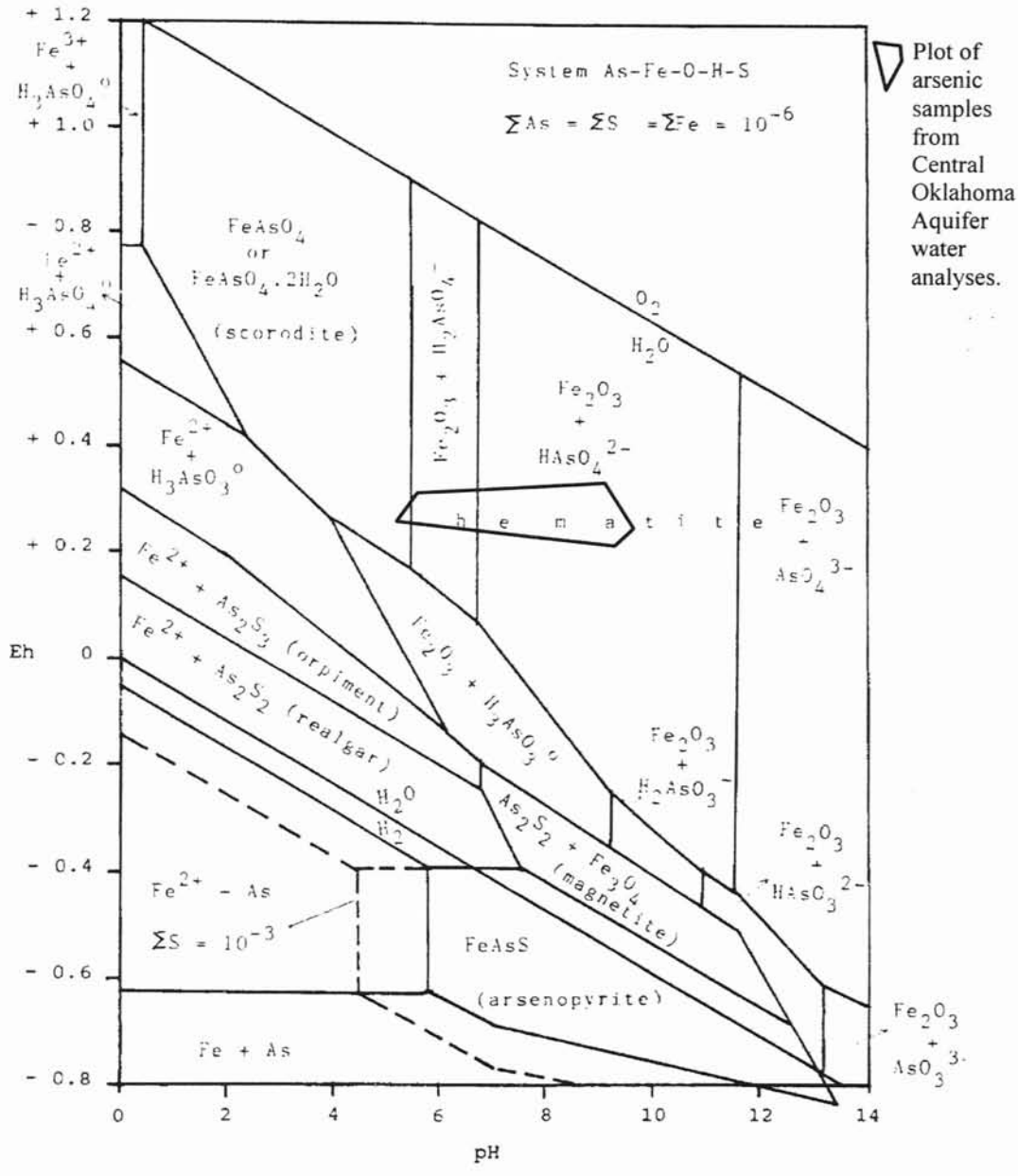

Figure 24. Eh-pH diagram for the system As-Fe-O-H-S, (from Vink, 1995).

As the deformation and weathering begins to expose the Permian rocks to meteoric waters and oxidizing conditions, the pyrite begins to oxidize (Hounslow, 1995):

$$FeS_2 + 3.75O_2 + 2.5H_2O \longleftrightarrow FeOOH + 2SO_4^{2-} + 4H^+ \qquad (4.2)$$

This reaction creates locally low pH allowing the oxidation of Fe^{2+} to Fe^{3+}. Simultaneously, arsenite oxidizes to form arsenate. It is then likely that some of the iron quickly reacts with the arsenate to form scorodite ($FeAsO_4 \cdot 2H_2O$):

$$Fe^{3+} + H_3AsO_4 + 2H_2O \longleftrightarrow FeAsO_4 \cdot 2H_2O + 3H^+ \quad (4.3)$$

Combining equation 4.2 and 4.3 and incorporating the oxidation of arsenite one finds the following reaction:

$$H_3AsO_3 + FeS_2 + 4.25O_2 + 2.5H_2O \longleftrightarrow FeAsO_4 \cdot 2H_2O + 2SO_4^{2-} + 4H^+ \quad (4.4)$$

As pH continues to rapidly rise, scorodite breaks down to form goethite (FeOOH) and arsenic acid (Dove and Rimstidt, 1985):

$$FeAsO_4 \cdot 2H_2O \longrightarrow FeOOH + H_2AsO_4^- + H^+ \quad (4.5)$$

In this state, the element may easily adsorb on hematite and goethite surfaces as Schlottmann, Mosier, and Breit (1998) suggest. Also, arsenate oxyanions will form an inner sphere complex with an iron-oxide surface (Schlottmann, Mosier, and Breit, 1998; after Davis and Kent, 1990).

Throughout the aquifer, one finds an abundance of goethite in the yellow-brown sandstones (Breit, 1998). Ferguson (1977) explains these yellow-brown sandstones by alteration from migrating oil field brines and hydrocarbons. Breit (1998) also points out that one finds considerable amounts of yellow-brown iron oxides along small fractures visible in some outcrops. Scanning electron microscope examinations of the yellow-brown iron oxides of the Central Oklahoma Aquifer reveals large concentrations of arsenic (Breit, 1998).

Mobilization

Scorodite is only stable when pH is less than 1.5 and arsenate activities greater than 0.1. At arsenate activities less than 0.01, scorodite is metastable and dissolves to iron hydroxide and arsenate ion solutions (Dove and Rimstidt, 1985). Calculating the arsenate activity in the Central Oklahoma Aquifer, using Equation 4.6 after Dove and Rimstidt (1985), one finds values well outside the scorodite stability field.

$$\alpha_{AsO_4^{3-}} = \frac{As_{Total}}{1 + \frac{\alpha_{H^+}}{K_3} + \frac{(\alpha_{H^+})^2}{K_2K_3} + \frac{(\alpha_{H^+})^3}{K_1K_2K_3}} \qquad (4.6)$$

$\alpha_{H^+} = 10^{-pH}$

As_{Total} = Arsenic concentration in solution (mmol/l)

K_1, K_2, K_3 = Hydrolysis constants of arsenate species given in table 5

Arsenate	pK
$H_3AsO_4 = H_2AsO_4^- + H^+$	2.24
$H_2AsO_4^- = HAsO_4^{2-} + H^+$	6.86
$HAsO_4^{2-} = AsO_4^{3-} + H^+$	11.49

Table 5. Hydrolysis constants of arsenate (from Dove and Rimstidt, 1985 after Wagman, 1982).

Aquifer conditions readily promote the transformation of scorodite to goethite as Equation 4.5 shows. The decay releases arsenate into the ground water where it follows flow paths described in chapter two. Schlottmann, Mosier, and Breit (1998) indicate that an oxidizing ground water with a high pH may mobilize the adsorbed arsenic as well. The arsenic then appears to concentrate in areas where flux is lowest.

Relation of Iron and Arsenic Concentrations

From the equations presented thus far, one notices a relationship between iron and arsenic. As expected, arsenic concentrations tend to increase as total dissolved solids increase. However, as total iron concentrations increase, arsenic concentrations decrease.

Examining the relationship of iron and arsenic to pH, one readily observes that as pH decreases, concentrations of both species likewise decrease (Figures 19, 25, and 26). This may represent that as the solution approaches the stability field of scorodite some precipitation occurs. Vogels and Johnson (1998) demonstrate that even at pH of 7 to 8, with high iron concentrations, some scorodite along with ferric oxyhydroxides will precipitate.

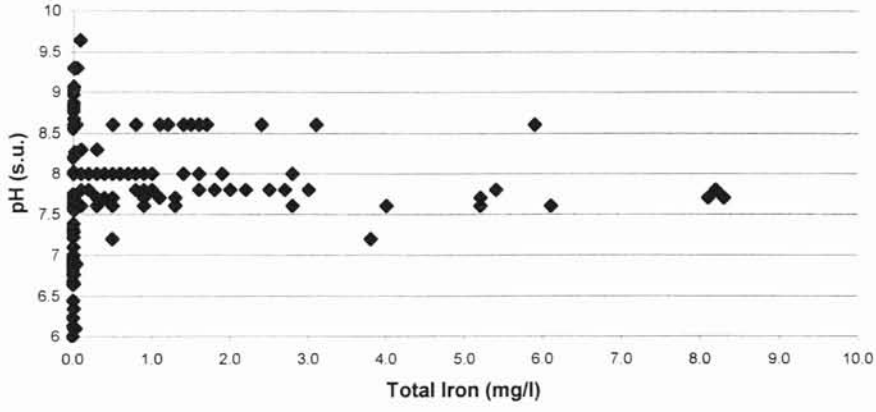

Figure 25. Iron concentration (all samples) versus pH.

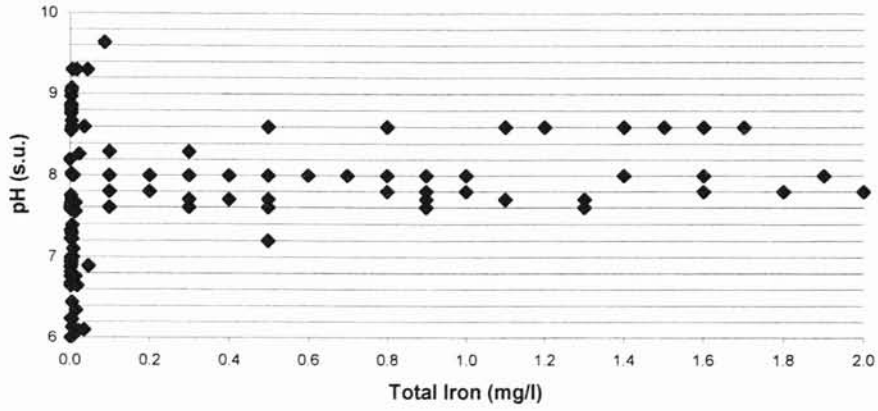

Figure 26. Iron concentration (samples < 2 mg/l) versus pH.

The research by Vogels and Johnson (1998) uses Fe^{6+} to maximize oxidation and production of scorodite for water treatment purposes:

$$Fe^{2+} + AsO_4^{3-} \longleftrightarrow FeAsO_4^{-} \xrightarrow{FeO_4^{2-}} FeAsO_{4(S)} + FeO(OH)_{(S)} \qquad (4.7)$$

However, Equation 4.7 and the Eh-pH diagram for the As-Fe-O-H-S (Figure 24) system suggest that under slightly acidic and oxic conditions some precipitation will take place. Such conditions are likely in areas of the aquifer. Figure 27 illustrates how shallow areas tend to have a lower pH. These shallow zones may be more oxic as they are under the influence of metoric waters.

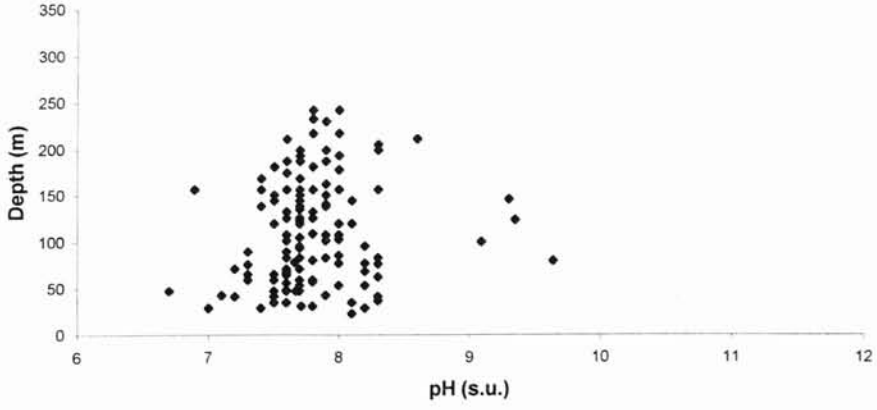

Figure 27. pH versus depth.

CHAPTER FOUR

SUMMARY AND CONCLUSION

Arsenic concentrations in the Central Oklahoma Aquifer exceed the maximum contaminant level of 10 μg/l. The implementation of the lower maximum contaminant level created a similar issue for many aquifers in the United States, especially those with red beds. The focus of this study was to examine the distribution, source, and mobilization of arsenic in the Central Oklahoma Aquifer.

One finds arsenic distributed throughout the aquifer, though typically at low concentrations. Elevated quantities occur primarily in the western deep confined zone. One also finds locally high concentrations in Logan County around the city of Edmond.

The source of arsenic is likely from hydrocarbon and connate water migration. Reactions between hydrogen sulfide and hematite produce pyrite in the Permian rocks. As pyrite decomposes, the products may react with arsenic acid to produce scorodite. Decomposition of scorodite would then produce goethite and releases arsenate into the ground water.

Low arsenate activities promote the freeing of arsenate. Additionally, high pH and oxidizing conditions mobilize adsorbed arsenic species. The mobilized arsenic then appears to travel along flow paths where it concentrates in areas of decreased flux.

Iron serves an important role with arsenic in the aquifer. As iron concentrations increase, arsenic concentrations tend to decrease. This relationship appears to be directly related to the pH of the ground water; that is, as the pH increases, concentrations of the species increase.

Further research of the Central Oklahoma Aquifer is necessary. Examination of aquifer rocks for distinct mineral species could establish certainty of the arsenic source. Examination of brines in deep portions of the Garber Sandstone, west of the study area, could confirm flow paths and concentration of arsenic. Furthermore, examination of fractures, which may act as conduits for ground water flow, may help increase understanding of the genesis of yellow-brown iron oxides associated with fractures in outcrop.

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Appendix A

Water Analysis Data for Major-Ions

Water Analyses: Major Ions

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	350001097130101	7/5/1988		
Garber Sandstone	350003097090101	7/5/1988		
Garber Sandstone	351027097131401	6/22/1988		
Garber Sandstone	351106097155201	10/2/1987		
Garber Sandstone	351106097155202	9/23/1986	155	47.2
Garber Sandstone	351106097155202	9/23/1986	225	68.6
Garber Sandstone	351106097155202	9/23/1986	265	80.8
Garber Sandstone	351106097155202	9/23/1986	346	105.5
Garber Sandstone	351106097155202	9/11/1987		
Garber Sandstone	351123097175601	8/20/1986		
Garber Sandstone	351314097254701	7/31/1987		
Garber Sandstone	351315097254201	7/20/1989	330.1	100.6
Garber Sandstone	351315097254201	8/8/1989	407.5	124.2
Garber Sandstone	351315097254201	9/20/1989	480	146.3
Garber Sandstone	351315097254301	2/17/1989	262.7	80.1
Garber Sandstone	351331097255501	3/8/1943		
Garber Sandstone	351353097264501	10/17/1985		
Garber Sandstone	351409097231801	7/29/1987		
Garber Sandstone	351538097283401	4/20/1983		
Garber Sandstone	351538097283401	12/7/1984		
Garber Sandstone	351617097072801	6/7/1988		
Garber Sandstone	351638097175301	6/23/1988		
Garber Sandstone	351648097285101	7/31/1987		
Garber Sandstone	351651097185901	7/11/1988		
Garber Sandstone	351723097274301	8/21/1986		
Garber Sandstone	351807097292101	10/14/1985		
Garber Sandstone	351823097215701	7/12/1988		
Garber Sandstone	351902097251201	8/20/1986		
Garber Sandstone	351912097193601	6/1/1988		
Garber Sandstone	351926097293001	10/17/1985		
Garber Sandstone	351926097293001	8/4/1987		
Garber Sandstone	351939097302301	10/17/1985		
Garber Sandstone	352145097345901	8/6/1987		
Garber Sandstone	352314097185101	8/21/1986		
Garber Sandstone	352330097264301	4/16/1943		
Garber Sandstone	352345097331901	8/21/1986		
Garber Sandstone	352433097262401	11/18/1988		
Garber Sandstone	352434097223101	10/17/1951		
Garber Sandstone	352448097222901	10/10/1951		
Garber Sandstone	352450097241701	10/10/1951		
Garber Sandstone	352518097270601	8/10/1987		
Garber Sandstone	352519097222501	4/26/1988		
Garber Sandstone	352520097280601	11/10/1988		
Garber Sandstone	352531097262101	11/18/1988		
Garber Sandstone	352535097224701	10/17/1951		
Garber Sandstone	352535097303301	11/30/1988	515	157.0
Garber Sandstone	352605097375701	8/6/1987		
Garber Sandstone	352614097231401	10/10/1951		
Garber Sandstone	352622097103401	7/8/1988		
Garber Sandstone	352631097313101	11/14/1988		
Garber Sandstone	352639097083401	6/22/1988		
Garber Sandstone	352703097302401	2/6/1986	148	45.1
Garber Sandstone	352703097302401	2/6/1986	155	47.2

Water Analyses: Major Ions

Unit	Well ID	Field pH	Lab pH	Ca (mg/L)	Mg (mg/L)
Garber Sandstone	350001097130101	6.23	7	38	17
Garber Sandstone	350003097090101	6.09	6.4	18	9
Garber Sandstone	351027097131401	7.38	7.5	61	31
Garber Sandstone	351106097155201	8.56	8.3	36	22
Garber Sandstone	351106097155202	7.5		19	9
Garber Sandstone	351106097155202	7.6		38	19
Garber Sandstone	351106097155202	7.8		18	8
Garber Sandstone	351106097155202	7.7		48	17
Garber Sandstone	351106097155202	7.46	8	29	16
Garber Sandstone	351123097175601		6.9	60	32
Garber Sandstone	351314097254701	8.8	8.9	2	1
Garber Sandstone	351315097254201	9.09	8.9	3	1
Garber Sandstone	351315097254201	9.35	9.2	2	1
Garber Sandstone	351315097254201	9.3	9.2	2	1
Garber Sandstone	351315097254301	9.64	9.1	3	1
Garber Sandstone	351331097255501	8.2		1	1
Garber Sandstone	351353097264501		7.7	28	15
Garber Sandstone	351409097231801	8.27	8.3	8	6
Garber Sandstone	351538097283401		8.5	2	1
Garber Sandstone	351538097283401		8.9	9	5
Garber Sandstone	351617097072801	6.91	7.2	57	33
Garber Sandstone	351638097175301	6.76	7	33	18
Garber Sandstone	351648097285101	8.97	9.1	1	0
Garber Sandstone	351651097185901	6.99	7.2	45	25
Garber Sandstone	351723097274301		8.3	6	3
Garber Sandstone	351807097292101		8	49	25
Garber Sandstone	351823097215701	7.22	7.5	71	38
Garber Sandstone	351902097251201		7.3	71	56
Garber Sandstone	351912097193601	7.28	7.5	72	36
Garber Sandstone	351926097293001		8.5	17	9
Garber Sandstone	351926097293001	8.86	8.8	14	13
Garber Sandstone	351939097302301		7.5	37	19
Garber Sandstone	352145097345901	8.87	9.1	2	1
Garber Sandstone	352314097185101		7.1	1	1
Garber Sandstone	352330097264301			50	30
Garber Sandstone	352345097331901		7.3	34	25
Garber Sandstone	352433097262401	7	7.3	110	57
Garber Sandstone	352434097223101	7.6		48	22
Garber Sandstone	352448097222901	7.6		49	22
Garber Sandstone	352450097241701	8.2		10	7
Garber Sandstone	352518097270601	7.63	7.9	48	31
Garber Sandstone	352519097222501	7.75	7.9	39	18
Garber Sandstone	352520097280601	7.58	7.7	45	26
Garber Sandstone	352531097262101	6.76	7.2	377	214
Garber Sandstone	352535097224701	7.6		49	22
Garber Sandstone	352535097303301	6.89	7	354	161
Garber Sandstone	352605097375701	8.84	8.7	5	2
Garber Sandstone	352614097231401	7.8		42	21
Garber Sandstone	352622097103401	6.24	6.3	29	12
Garber Sandstone	352631097313101	7.22	7.3	110	43
Garber Sandstone	352639097083401	6.68	7.1	31	14
Garber Sandstone	352703097302401		6.9	398	207
Garber Sandstone	352703097302401		9	107	56

Water Analyses: Major Ions

Unit	Well ID	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO4 (mg/L)
Garber Sandstone	350001097130101	23	0.5	21	22
Garber Sandstone	350003097090101	11	0.3	13	14
Garber Sandstone	351027097131401	6.6	0.1	9.5	6.5
Garber Sandstone	351106097155201	340	4.7	450	72
Garber Sandstone	351106097155202	179	2	99	44
Garber Sandstone	351106097155202	145	2	100	74
Garber Sandstone	351106097155202	239	3	120	59
Garber Sandstone	351106097155202	500	2	440	277
Garber Sandstone	351106097155202	45	3.1	4.9	11
Garber Sandstone	351123097175601	10		14	20
Garber Sandstone	351314097254701	240	0.7	12	83
Garber Sandstone	351315097254201	210	1	14	76
Garber Sandstone	351315097254201	180	0.6	6.8	25
Garber Sandstone	351315097254201	150	0.2	6.2	17
Garber Sandstone	351315097254301	140	1.2	16	44
Garber Sandstone	351331097255501			15	44
Garber Sandstone	351353097264501			10	20
Garber Sandstone	351409097231801	91	1.4	3	10
Garber Sandstone	351538097283401			10	20
Garber Sandstone	351538097283401			10	20
Garber Sandstone	351617097072801	13	1.1	15	18
Garber Sandstone	351638097175301	7.6	0.7	6.9	6
Garber Sandstone	351648097285101	170	0.5	11	37
Garber Sandstone	351651097185901	5.1	0.8	7	6.5
Garber Sandstone	351723097274301	185		29	95
Garber Sandstone	351807097292101			116	29
Garber Sandstone	351823097215701	12	1	20	7.7
Garber Sandstone	351902097251201	68		20	20
Garber Sandstone	351912097193601	10	1	12	19
Garber Sandstone	351926097293001			10	20
Garber Sandstone	351926097293001	100	1.3	7.3	13
Garber Sandstone	351939097302301			10	20
Garber Sandstone	352145097345901	140	0.4	6.3	14
Garber Sandstone	352314097185101	121		12	20
Garber Sandstone	352330097264301			17	19
Garber Sandstone	352345097331901	47		21	20
Garber Sandstone	352433097262401	52	0.7	170	6.9
Garber Sandstone	352434097223101	6.2	1.4	9.5	6.5
Garber Sandstone	352448097222901	7	1.4	9	6.8
Garber Sandstone	352450097241701	58	1.6	5.8	6.8
Garber Sandstone	352518097270601	16	2.4	40	6.5
Garber Sandstone	352519097222501	45	1.1	18	11
Garber Sandstone	352520097280601	12	1.4	5.7	6.5
Garber Sandstone	352531097262101	497	1.6	1820	12
Garber Sandstone	352535097224701	8.9	1.5	8.2	7.4
Garber Sandstone	352535097303301	396	2	1510	14
Garber Sandstone	352605097375701	170	0.5	13	74
Garber Sandstone	352614097231401	9.1	1.4	7.8	6.7
Garber Sandstone	352622097103401	16	1.6	29	31
Garber Sandstone	352631097313101	55	1.4	140	17
Garber Sandstone	352639097083401	8.8	1.2	8.5	5.5
Garber Sandstone	352703097302401			1830	76
Garber Sandstone	352703097302401			580	22

Water Analyses: Major Ions

Unit	Well ID	SiO2 (mg/L)	Na + K (mg/L)	Carbonate (mg/L CO3)
Garber Sandstone	350001097130101	24		
Garber Sandstone	350003097090101	30		
Garber Sandstone	351027097131401	17		
Garber Sandstone	351106097155201	21		12
Garber Sandstone	351106097155202	5		
Garber Sandstone	351106097155202	4		
Garber Sandstone	351106097155202	8		
Garber Sandstone	351106097155202	4		
Garber Sandstone	351106097155202	11		
Garber Sandstone	351123097175601			169
Garber Sandstone	351314097254701	8.7		43
Garber Sandstone	351315097254201	9		34
Garber Sandstone	351315097254201	6.3		56
Garber Sandstone	351315097254201	6.7		32
Garber Sandstone	351315097254301	7.1		15
Garber Sandstone	351331097255501		190	51
Garber Sandstone	351353097264501			72
Garber Sandstone	351409097231801	11		3
Garber Sandstone	351538097283401			6
Garber Sandstone	351538097283401			23
Garber Sandstone	351617097072801	15		
Garber Sandstone	351638097175301	17		
Garber Sandstone	351648097285101	9.9		32
Garber Sandstone	351651097185901	14		
Garber Sandstone	351723097274301			16
Garber Sandstone	351807097292101			125
Garber Sandstone	351823097215701	17		
Garber Sandstone	351902097251201			246
Garber Sandstone	351912097193601	16		
Garber Sandstone	351926097293001			43
Garber Sandstone	351926097293001	13		16
Garber Sandstone	351939097302301			94
Garber Sandstone	352145097345901	11		22
Garber Sandstone	352314097185101			6
Garber Sandstone	352330097264301		31	
Garber Sandstone	352345097331901			117
Garber Sandstone	352433097262401	18		
Garber Sandstone	352434097223101	11		5
Garber Sandstone	352448097222901	11		4
Garber Sandstone	352450097241701	10		
Garber Sandstone	352518097270601	15		
Garber Sandstone	352519097222501	12		
Garber Sandstone	352520097280601	15		
Garber Sandstone	352531097262101	18		
Garber Sandstone	352535097224701	12		
Garber Sandstone	352535097303301	23		
Garber Sandstone	352605097375701	12		19
Garber Sandstone	352614097231401	10		
Garber Sandstone	352622097103401	16		
Garber Sandstone	352631097313101	25		
Garber Sandstone	352639097083401	15		
Garber Sandstone	352703097302401			1019
Garber Sandstone	352703097302401			274

Water Analyses: Major Ions

Unit	Well ID	Bicarbonate (mg/L HCO3)	Hardness (mg/L as CaCO3)	Alkalinity (mg/L as CaCO3)
Garber Sandstone	350001097130101	185	152	
Garber Sandstone	350003097090101	88	72	
Garber Sandstone	351027097131401	324	266	
Garber Sandstone	351106097155201	232	210	
Garber Sandstone	351106097155202	272	265	
Garber Sandstone	351106097155202	272	245	
Garber Sandstone	351106097155202	272	288	
Garber Sandstone	351106097155202	272	256	
Garber Sandstone	351106097155202	272	223	
Garber Sandstone	351123097175601		282	
Garber Sandstone	351314097254701	422	418	
Garber Sandstone	351315097254201	373		
Garber Sandstone	351315097254201	322		
Garber Sandstone	351315097254201	283		
Garber Sandstone	351315097254301	256		
Garber Sandstone	351331097255501	324	6	
Garber Sandstone	351353097264501		120	
Garber Sandstone	351409097231801	267	224	
Garber Sandstone	351538097283401		10	
Garber Sandstone	351538097283401		38	
Garber Sandstone	351617097072801	331	276	
Garber Sandstone	351638097175301	180	148	
Garber Sandstone	351648097285101	315	312	
Garber Sandstone	351651097185901	251	206	
Garber Sandstone	351723097274301		26	
Garber Sandstone	351807097292101		208	
Garber Sandstone	351823097215701	398	326	
Garber Sandstone	351902097251201		410	
Garber Sandstone	351912097193601	388	318	
Garber Sandstone	351926097293001		72	
Garber Sandstone	351926097293001	328	295	
Garber Sandstone	351939097302301		156	
Garber Sandstone	352145097345901	300	282	
Garber Sandstone	352314097185101		10	
Garber Sandstone	352330097264301	284	262.8	
Garber Sandstone	352345097331901		195	
Garber Sandstone	352433097262401	388	318	
Garber Sandstone	352434097223101	250	204.9	
Garber Sandstone	352448097222901	255	213.1	
Garber Sandstone	352450097241701	204	163.9	
Garber Sandstone	352518097270601	261	214	
Garber Sandstone	352519097222501	276	226	
Garber Sandstone	352520097280601	259	212	
Garber Sandstone	352531097262101	327	268	
Garber Sandstone	352535097224701	261	213.1	362
Garber Sandstone	352535097303301	378	310	356
Garber Sandstone	352605097375701	342	312	284
Garber Sandstone	352614097231401	237	196.7	234
Garber Sandstone	352622097103401	237	196.7	
Garber Sandstone	352631097313101	386	316	
Garber Sandstone	352639097083401	159	130	
Garber Sandstone	352703097302401		1699	
Garber Sandstone	352703097302401		457	

Water Analyses: Major Ions

Unit	Well ID	TDS @ 105 (mg/L)	TDS @ 180 (mg/L)	TDS, sum of constituents (mg/L)
Garber Sandstone	350001097130101			
Garber Sandstone	350003097090101			
Garber Sandstone	351027097131401			
Garber Sandstone	351106097155201			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351123097175601	278		
Garber Sandstone	351314097254701			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254301			
Garber Sandstone	351331097255501			
Garber Sandstone	351353097264501			
Garber Sandstone	351409097231801			
Garber Sandstone	351538097283401			
Garber Sandstone	351538097283401			
Garber Sandstone	351617097072801			
Garber Sandstone	351638097175301			
Garber Sandstone	351648097285101			
Garber Sandstone	351651097185901			
Garber Sandstone	351723097274301	475		
Garber Sandstone	351807097292101			
Garber Sandstone	351823097215701			
Garber Sandstone	351902097251201	500		
Garber Sandstone	351912097193601			
Garber Sandstone	351926097293001			
Garber Sandstone	351926097293001			
Garber Sandstone	351939097302301			
Garber Sandstone	352145097345901			
Garber Sandstone	352314097185101	272		
Garber Sandstone	352330097264301		312	312
Garber Sandstone	352345097331901	304		
Garber Sandstone	352433097262401			
Garber Sandstone	352434097223101		229	229
Garber Sandstone	352448097222901		233	233
Garber Sandstone	352450097241701		200	201
Garber Sandstone	352518097270601			
Garber Sandstone	352519097222501			
Garber Sandstone	352520097280601			
Garber Sandstone	352531097262101			
Garber Sandstone	352535097224701		238	238
Garber Sandstone	352535097303301			
Garber Sandstone	352605097375701			
Garber Sandstone	352614097231401		216	215
Garber Sandstone	352622097103401			
Garber Sandstone	352631097313101			
Garber Sandstone	352639097083401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			

Water Analyses: Major Ions

Unit	Well ID	Lab Conductivity (uS/cm @ 25 deg C)	Field Conductivity (uS/cm @ 25 deg C.)	HCO3, calculated from Alkalinity (mg/L)
Garber Sandstone	350001097130101	419	420	
Garber Sandstone	350003097090101	215	215	
Garber Sandstone	351027097131401	522	513	
Garber Sandstone	351106097155201	1990	1960	
Garber Sandstone	351106097155202		979	
Garber Sandstone	351106097155202		991	
Garber Sandstone	351106097155202		1111	
Garber Sandstone	351106097155202		2610	
Garber Sandstone	351106097155202	440	417	
Garber Sandstone	351123097175601			
Garber Sandstone	351314097254701	956	919	
Garber Sandstone	351315097254201	858	856	
Garber Sandstone	351315097254201	752	736	
Garber Sandstone	351315097254201	633	599	
Garber Sandstone	351315097254301	608	560	
Garber Sandstone	351331097255501		750	
Garber Sandstone	351353097264501		425	
Garber Sandstone	351409097231801	443	426	
Garber Sandstone	351538097283401		656	
Garber Sandstone	351538097283401		514	
Garber Sandstone	351617097072801	560	574	
Garber Sandstone	351638097175301	316	308	
Garber Sandstone	351648097285101	691	674	
Garber Sandstone	351651097185901	412	411	
Garber Sandstone	351723097274301			
Garber Sandstone	351807097292101		448	
Garber Sandstone	351823097215701	645	634	
Garber Sandstone	351902097251201			
Garber Sandstone	351912097193601	617	606	
Garber Sandstone	351926097293001		555	
Garber Sandstone	351926097293001	573	563	
Garber Sandstone	351939097302301		484	
Garber Sandstone	352145097345901	578	566	
Garber Sandstone	352314097185101			
Garber Sandstone	352330097264301		548	
Garber Sandstone	352345097331901			
Garber Sandstone	352433097262401	1190	1190	
Garber Sandstone	352434097223101		404	
Garber Sandstone	352448097222901		411	
Garber Sandstone	352450097241701		336	
Garber Sandstone	352518097270601	537	529	
Garber Sandstone	352519097222501	493	493	
Garber Sandstone	352520097280601	418	409	
Garber Sandstone	352531097262101	6180	6160	
Garber Sandstone	352535097224701		420	441
Garber Sandstone	352535097303301	5230	5180	434
Garber Sandstone	352605097375701	755	747	346
Garber Sandstone	352614097231401		384	285
Garber Sandstone	352622097103401	328	335	
Garber Sandstone	352631097313101	1080	1080	
Garber Sandstone	352639097083401	285	273	
Garber Sandstone	352703097302401		5800	
Garber Sandstone	352703097302401		1956	

Water Analyses: Major Ions

Unit	Well ID	Calculated TDS at 180C (mg/l)	Calculated TDS (mg/l)	Calculated TDS from Lab Conductivity (mg/l)	Calculated TDS from Field Conductivity (mg/l)
Garber Sandstone	350001097130101	236	331	277	277
Garber Sandstone	350003097090101	138	183	142	142
Garber Sandstone	351027097131401	291	456	345	339
Garber Sandstone	351106097155201	1060	1178	1313	1294
Garber Sandstone	351106097155202	491	629		646
Garber Sandstone	351106097155202	516	654		654
Garber Sandstone	351106097155202	589	727		733
Garber Sandstone	351106097155202	1422	1560		1723
Garber Sandstone	351106097155202	254	392	290	275
Garber Sandstone	351123097175601	136	136		
Garber Sandstone	351314097254701	554	769	631	607
Garber Sandstone	351315097254201	498	687	566	565
Garber Sandstone	351315097254201	380	544	496	486
Garber Sandstone	351315097254201	321	465	418	395
Garber Sandstone	351315097254301	338	468	401	370
Garber Sandstone	351331097255501	410	575		495
Garber Sandstone	351353097264501	73	73		281
Garber Sandstone	351409097231801	261	397	292	281
Garber Sandstone	351538097283401	34	34		433
Garber Sandstone	351538097283401	44	44		339
Garber Sandstone	351617097072801	315	483	370	379
Garber Sandstone	351638097175301	178	269	209	203
Garber Sandstone	351648097285101	385	545	456	445
Garber Sandstone	351651097185901	227	354	272	271
Garber Sandstone	351723097274301	318	318		
Garber Sandstone	351807097292101	219	219		296
Garber Sandstone	351823097215701	362	565	426	418
Garber Sandstone	351902097251201	235	235		
Garber Sandstone	351912097193601	357	554	407	400
Garber Sandstone	351926097293001	56	56		366
Garber Sandstone	351926097293001	323	490	378	372
Garber Sandstone	351939097302301	86	86		319
Garber Sandstone	352145097345901	322	474	381	374
Garber Sandstone	352314097185101	155	155		
Garber Sandstone	352330097264301	287	431		362
Garber Sandstone	352345097331901	147	147		
Garber Sandstone	352433097262401	605	803	785	785
Garber Sandstone	352434097223101	228	355		267
Garber Sandstone	352448097222901	232	361		271
Garber Sandstone	352450097241701	199	303		222
Garber Sandstone	352518097270601	287	420	354	349
Garber Sandstone	352519097222501	280	420	325	325
Garber Sandstone	352520097280601	239	371	276	270
Garber Sandstone	352531097262101	3100	3267	4079	4066
Garber Sandstone	352535097224701	326	550		277
Garber Sandstone	352535097303301	2673	2894	3452	3419
Garber Sandstone	352605097375701	446	622	498	493
Garber Sandstone	352614097231401	238	383		253
Garber Sandstone	352622097103401	251	372	216	221
Garber Sandstone	352631097313101	581	777	713	713
Garber Sandstone	352639097083401	162	243	188	180
Garber Sandstone	352703097302401	2511	2511		3828
Garber Sandstone	352703097302401	765	765		1291

Water Analyses: Major Ions

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	352703097302401	2/6/1986	245	74.7
Garber Sandstone	352703097302401	2/6/1986	315	96.0
Garber Sandstone	352703097302401	2/6/1986	395	120.4
Garber Sandstone	352703097302401	2/6/1986	527	160.6
Garber Sandstone	352703097302401	2/6/1986	555	169.2
Garber Sandstone	352703097302401	2/6/1986	595	181.4
Garber Sandstone	352703097302401	2/6/1986	659	200.9
Garber Sandstone	352703097302401	2/6/1986	690	210.3
Garber Sandstone	352703097302401	2/6/1986	735	224.0
Garber Sandstone	352703097302401	2/6/1986	815	248.4
Garber Sandstone	352703097302401	2/6/1986	995	303.3
Garber Sandstone	352703097302402	2/6/1986	313	95.4
Garber Sandstone	352703097302403	2/6/1986	523	159.4
Garber Sandstone	352705097175401	5/16/1988		
Garber Sandstone	352735097155001	2/20/1959		
Garber Sandstone	352738097191001	9/17/1987		
Garber Sandstone	352740097275301	11/16/1988		
Garber Wellington Aquifer	350055097125402	4/20/1988		
Garber Wellington Aquifer	350101097125401	4/20/1988		
Garber Wellington Aquifer	350203097072201	6/8/1988		
Garber Wellington Aquifer	350240097064101	6/8/1988		
Garber Wellington Aquifer	350419097093801	8/20/1986		
Garber Wellington Aquifer	350747097113701	8/20/1986		
Garber Wellington Aquifer	350756097232001	4/21/1988		
Garber Wellington Aquifer	350845097214501	4/27/1988		
Garber Wellington Aquifer	351118097114901	7/11/1988		
Garber Wellington Aquifer	351208097190001	7/29/1986	95	29.0
Garber Wellington Aquifer	351208097190001	7/29/1986	155	47.2
Garber Wellington Aquifer	351208097190001	7/29/1986	195	59.4
Garber Wellington Aquifer	351208097190001	7/29/1986	235	71.6
Garber Wellington Aquifer	351208097190001	7/29/1986	255	77.7
Garber Wellington Aquifer	351208097190001	7/29/1986	295	89.9
Garber Wellington Aquifer	351208097190001	7/29/1986	315	96.0
Garber Wellington Aquifer	351214097192701	7/29/1986	115	35.1
Garber Wellington Aquifer	351214097192701	7/29/1986	135	41.1
Garber Wellington Aquifer	351219097262301	4/25/1988		
Garber Wellington Aquifer	351236097262801	4/25/1988		
Garber Wellington Aquifer	351239097221101	9/24/1986	155	47.2
Garber Wellington Aquifer	351239097221101	9/24/1986	195	59.4
Garber Wellington Aquifer	351239097221101	9/24/1986	275	83.8
Garber Wellington Aquifer	351239097221101	9/24/1986	335	102.1
Garber Wellington Aquifer	351239097221101	9/24/1986	355	108.2
Garber Wellington Aquifer	351239097221101	9/24/1986	455	138.7
Garber Wellington Aquifer	351239097221101	9/24/1986	495	150.9
Garber Wellington Aquifer	351239097221101	9/24/1986	515	157.0
Garber Wellington Aquifer	351314097254702	10/24/1982	337	102.7
Garber Wellington Aquifer	351314097254704	10/24/1982	636	193.9
Garber Wellington Aquifer	351349097175501	7/29/1986	75	22.9
Garber Wellington Aquifer	351349097175501	7/29/1986	95	29.0
Garber Wellington Aquifer	351349097175501	7/29/1986	120	36.6
Garber Wellington Aquifer	351349097175501	7/29/1986	135	41.1
Garber Wellington Aquifer	351349097175501	7/29/1986	175	53.3
Garber Wellington Aquifer	351349097175501	7/29/1986	205	62.5

Water Analyses: Major Ions

Unit	Well ID	Field pH	Lab pH	Ca (mg/L)	Mg (mg/L)
Garber Sandstone	352703097302401		7.4	370	192
Garber Sandstone	352703097302401		6.8	387	201
Garber Sandstone	352703097302401		7.1	394	205
Garber Sandstone	352703097302401		7	408	212
Garber Sandstone	352703097302401		7	395	205
Garber Sandstone	352703097302401		7	423	219
Garber Sandstone	352703097302401		7.1	381	198
Garber Sandstone	352703097302401		7	390	202
Garber Sandstone	352703097302401		7.1	390	202
Garber Sandstone	352703097302401		7.1	177	92
Garber Sandstone	352703097302401		7.2	176	91
Garber Sandstone	352703097302402		10.7	542	281
Garber Sandstone	352703097302403		7.9	403	209
Garber Sandstone	352705097175401	6.65	6.8	29	12
Garber Sandstone	352735097155001	7.1		48	20
Garber Sandstone	352738097191001	6.13	6.3	36	17
Garber Sandstone	352740097275301	7.55	7.7	44	23
Garber Wellington Aquifer	350055097125402	8.76	8.6	18	9
Garber Wellington Aquifer	350101097125401	8.02	8.1	18	9
Garber Wellington Aquifer	350203097072201	6.1	6.6	33	20
Garber Wellington Aquifer	350240097064101	7.57	7.6	33	14
Garber Wellington Aquifer	350419097093801		7.4	49	20
Garber Wellington Aquifer	350747097113701		6.1	111	60
Garber Wellington Aquifer	350756097232001	8.67	8.6	3	1
Garber Wellington Aquifer	350845097214501	7.57	7.7	37	28
Garber Wellington Aquifer	351118097114901	6.44	6.7	14	8
Garber Wellington Aquifer	351208097190001	7		48	34
Garber Wellington Aquifer	351208097190001	6.7		34	23
Garber Wellington Aquifer	351208097190001	7.3		24	15
Garber Wellington Aquifer	351208097190001	7.2		33	20
Garber Wellington Aquifer	351208097190001	8		23	13
Garber Wellington Aquifer	351208097190001	7.6		32	18
Garber Wellington Aquifer	351208097190001	7.7		23	13
Garber Wellington Aquifer	351214097192701	7.6		32	19
Garber Wellington Aquifer	351214097192701	7.2		575	24
Garber Wellington Aquifer	351219097262301	8.6	8.5	6	2
Garber Wellington Aquifer	351236097262801	8.76	8.7	4	2
Garber Wellington Aquifer	351239097221101	7.7		63	39
Garber Wellington Aquifer	351239097221101	7.8		64	40
Garber Wellington Aquifer	351239097221101	7.9		39	24
Garber Wellington Aquifer	351239097221101	7.9		54	32
Garber Wellington Aquifer	351239097221101	8		56	33
Garber Wellington Aquifer	351239097221101	7.7		40	24
Garber Wellington Aquifer	351239097221101	7.7		37	21
Garber Wellington Aquifer	351239097221101	8		36	21
Garber Wellington Aquifer	351314097254702		9.1	2	1
Garber Wellington Aquifer	351314097254704		8	2	1
Garber Wellington Aquifer	351349097175501	8.1		23	12
Garber Wellington Aquifer	351349097175501	8.2		28	13
Garber Wellington Aquifer	351349097175501	8.3		25	13
Garber Wellington Aquifer	351349097175501	8.3		26	14
Garber Wellington Aquifer	351349097175501	8.2		28	14
Garber Wellington Aquifer	351349097175501	8.3		28	15

Water Analyses: Major Ions

Unit	Well ID	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO4 (mg/L)
Garber Sandstone	352703097302401			1615	69
Garber Sandstone	352703097302401			1945	83
Garber Sandstone	352703097302401			2005	94
Garber Sandstone	352703097302401			1995	100
Garber Sandstone	352703097302401			2020	102
Garber Sandstone	352703097302401			1955	100
Garber Sandstone	352703097302401			1860	100
Garber Sandstone	352703097302401			1905	101
Garber Sandstone	352703097302401			1945	102
Garber Sandstone	352703097302401			1688	104
Garber Sandstone	352703097302401			1964	205
Garber Sandstone	352703097302402			303	20
Garber Sandstone	352703097302403			1503	73
Garber Sandstone	352705097175401	6.8	0.7	8	3.3
Garber Sandstone	352735097155001	35	1.1	114	63
Garber Sandstone	352738097191001	15	0.9	29	22
Garber Sandstone	352740097275301	17	1.3	11	7.3
Garber Wellington Aquifer	350055097125402	110	0.7	33	16
Garber Wellington Aquifer	350101097125401	110	0.701	16	9.2
Garber Wellington Aquifer	350203097072201	30	1.2	80	17
Garber Wellington Aquifer	350240097064101	39	2.1	8.3	7.5
Garber Wellington Aquifer	350419097093801	18		10	20
Garber Wellington Aquifer	350747097113701	69		179	75
Garber Wellington Aquifer	350756097232001	160	0.8	8.4	31
Garber Wellington Aquifer	350845097214501	57	2.6	25	10
Garber Wellington Aquifer	351118097114901	4.1	0.8	2.8	5.8
Garber Wellington Aquifer	351208097190001	28	3	19	10
Garber Wellington Aquifer	351208097190001	78	2	27	26
Garber Wellington Aquifer	351208097190001	103	2	46	30
Garber Wellington Aquifer	351208097190001	122	2	72	61
Garber Wellington Aquifer	351208097190001	156	2	89	73
Garber Wellington Aquifer	351208097190001	118	2	72	37
Garber Wellington Aquifer	351208097190001	221	2	200	80
Garber Wellington Aquifer	351214097192701	84	2	53	24
Garber Wellington Aquifer	351214097192701	116	3	79	1490
Garber Wellington Aquifer	351219097262301	300	1.4	47	310
Garber Wellington Aquifer	351236097262801	250	1.4	24	190
Garber Wellington Aquifer	351239097221101	40	2	15	14
Garber Wellington Aquifer	351239097221101	35	2	15	12
Garber Wellington Aquifer	351239097221101	58	2	9	13
Garber Wellington Aquifer	351239097221101	48	2	12	13
Garber Wellington Aquifer	351239097221101	41	2	12	10
Garber Wellington Aquifer	351239097221101	76	2	16	12
Garber Wellington Aquifer	351239097221101	189	2	130	53
Garber Wellington Aquifer	351239097221101	271	2	224	84
Garber Wellington Aquifer	351314097254702			21	117
Garber Wellington Aquifer	351314097254704			396	184
Garber Wellington Aquifer	351349097175501	17	2	23	10
Garber Wellington Aquifer	351349097175501	18	2	23	11
Garber Wellington Aquifer	351349097175501	17	2	24	10
Garber Wellington Aquifer	351349097175501	16	2	23	10
Garber Wellington Aquifer	351349097175501	16	2	23	10
Garber Wellington Aquifer	351349097175501	18	2	24	11

Water Analyses: Major Ions

Unit	Well ID	SiO2 (mg/L)	Na + K (mg/L)	Carbonate (mg/L CO3)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			997
Garber Sandstone	352703097302401			454
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401	16		
Garber Sandstone	352735097155001	11		138
Garber Sandstone	352738097191001	22		
Garber Sandstone	352740097275301	18		
Garber Wellington Aquifer	350055097125402	13		14
Garber Wellington Aquifer	350101097125401	10		
Garber Wellington Aquifer	350203097072201	15		
Garber Wellington Aquifer	350240097064101	14		
Garber Wellington Aquifer	350419097093801			120
Garber Wellington Aquifer	350747097113701			305
Garber Wellington Aquifer	350756097232001	9.5		7
Garber Wellington Aquifer	350845097214501	17		
Garber Wellington Aquifer	351118097114901	21		
Garber Wellington Aquifer	351208097190001	5		173
Garber Wellington Aquifer	351208097190001	18		118
Garber Wellington Aquifer	351208097190001	6		151
Garber Wellington Aquifer	351208097190001	12		148
Garber Wellington Aquifer	351208097190001	6		147
Garber Wellington Aquifer	351208097190001	5		130
Garber Wellington Aquifer	351208097190001	5		149
Garber Wellington Aquifer	351214097192701	8		130
Garber Wellington Aquifer	351214097192701	5		106
Garber Wellington Aquifer	351219097262301	9.9		12
Garber Wellington Aquifer	351236097262801	9.7		2
Garber Wellington Aquifer	351239097221101	8		177
Garber Wellington Aquifer	351239097221101	8		169
Garber Wellington Aquifer	351239097221101	7		159
Garber Wellington Aquifer	351239097221101	8		159
Garber Wellington Aquifer	351239097221101	8		163
Garber Wellington Aquifer	351239097221101	7		182
Garber Wellington Aquifer	351239097221101	6		187
Garber Wellington Aquifer	351239097221101	6		187
Garber Wellington Aquifer	351314097254702			6
Garber Wellington Aquifer	351314097254704			6
Garber Wellington Aquifer	351349097175501	7		64
Garber Wellington Aquifer	351349097175501	7		70
Garber Wellington Aquifer	351349097175501	7		67
Garber Wellington Aquifer	351349097175501	7		65
Garber Wellington Aquifer	351349097175501	6		72
Garber Wellington Aquifer	351349097175501	7		74

Water Analyses: Major Ions

Unit	Well ID	Bicarbonate (mg/L HCO3)	Hardness (mg/L as CaCO3)	Alkalinity (mg/L as CaCO3)
Garber Sandstone	352703097302401	146	1580	
Garber Sandstone	352703097302401	80	1653	
Garber Sandstone	352703097302401	105	1683	
Garber Sandstone	352703097302401	256	1740	
Garber Sandstone	352703097302401	310	1686	
Garber Sandstone	352703097302401	344	1804	
Garber Sandstone	352703097302401	113	1625	
Garber Sandstone	352703097302401	251	1665	
Garber Sandstone	352703097302401		1663	
Garber Sandstone	352703097302401		757	
Garber Sandstone	352703097302401	361	750	
Garber Sandstone	352703097302402	351	2314	
Garber Sandstone	352703097302403	78	1721	
Garber Sandstone	352705097175401	146	120	
Garber Sandstone	352735097155001	80	65.6	
Garber Sandstone	352738097191001	105	86	
Garber Sandstone	352740097275301	256	210	
Garber Wellington Aquifer	350055097125402	310	278	
Garber Wellington Aquifer	350101097125401	344	282	
Garber Wellington Aquifer	350203097072201	113	93	
Garber Wellington Aquifer	350240097064101	251	206	
Garber Wellington Aquifer	350419097093801		200	
Garber Wellington Aquifer	350747097113701		509	
Garber Wellington Aquifer	350756097232001	361	308	
Garber Wellington Aquifer	350845097214501	351	288	
Garber Wellington Aquifer	351118097114901	78	64	
Garber Wellington Aquifer	351208097190001		289	
Garber Wellington Aquifer	351208097190001		196	
Garber Wellington Aquifer	351208097190001		252	
Garber Wellington Aquifer	351208097190001		247	
Garber Wellington Aquifer	351208097190001		245	
Garber Wellington Aquifer	351208097190001		216	
Garber Wellington Aquifer	351208097190001		248	
Garber Wellington Aquifer	351214097192701		217	
Garber Wellington Aquifer	351214097192701		176	
Garber Wellington Aquifer	351219097262301	349	306	
Garber Wellington Aquifer	351236097262801	410	340	
Garber Wellington Aquifer	351239097221101		296	
Garber Wellington Aquifer	351239097221101		282	
Garber Wellington Aquifer	351239097221101		266	
Garber Wellington Aquifer	351239097221101		266	
Garber Wellington Aquifer	351239097221101		272	
Garber Wellington Aquifer	351239097221101		304	
Garber Wellington Aquifer	351239097221101		312	
Garber Wellington Aquifer	351239097221101		312	
Garber Wellington Aquifer	351314097254702		10	
Garber Wellington Aquifer	351314097254704		10	
Garber Wellington Aquifer	351349097175501		106	
Garber Wellington Aquifer	351349097175501		116	
Garber Wellington Aquifer	351349097175501		112	
Garber Wellington Aquifer	351349097175501		108	
Garber Wellington Aquifer	351349097175501		120	
Garber Wellington Aquifer	351349097175501		123	

Water Analyses: Major Ions

Unit	Well ID	TDS @ 105 (mg/L)	TDS @ 180 (mg/L)	TDS, sum of constituents (mg/L)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401			
Garber Sandstone	352735097155001		359	332
Garber Sandstone	352738097191001			
Garber Sandstone	352740097275301			
Garber Wellington Aquifer	350055097125402			
Garber Wellington Aquifer	350101097125401			
Garber Wellington Aquifer	350203097072201			
Garber Wellington Aquifer	350240097064101			
Garber Wellington Aquifer	350419097093801	229		
Garber Wellington Aquifer	350747097113701	895		
Garber Wellington Aquifer	350756097232001			
Garber Wellington Aquifer	350845097214501			
Garber Wellington Aquifer	351118097114901			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351219097262301			
Garber Wellington Aquifer	351236097262801			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351314097254702			
Garber Wellington Aquifer	351314097254704			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			

Water Analyses: Major Ions

Unit	Well ID	Lab Conductivity (uS/cm @ 25 deg C)	Field Conductivity (uS/cm @ 25 deg C.)	HCO3, calculated from Alkalinity (mg/L)
Garber Sandstone	352703097302401		6000	
Garber Sandstone	352703097302401		6400	
Garber Sandstone	352703097302401		7100	
Garber Sandstone	352703097302401		7000	
Garber Sandstone	352703097302401		6900	
Garber Sandstone	352703097302401		6500	
Garber Sandstone	352703097302401		6400	
Garber Sandstone	352703097302401		6500	
Garber Sandstone	352703097302401		7000	
Garber Sandstone	352703097302401		6200	
Garber Sandstone	352703097302401		7000	
Garber Sandstone	352703097302402		6360	
Garber Sandstone	352703097302403		4728	
Garber Sandstone	352705097175401	262	252	
Garber Sandstone	352735097155001		616	
Garber Sandstone	352738097191001	397	387	
Garber Sandstone	352740097275301	438	429	
Garber Wellington Aquifer	350055097125402	652	650	
Garber Wellington Aquifer	350101097125401	578	570	
Garber Wellington Aquifer	350203097072201	476	440	
Garber Wellington Aquifer	350240097064101	410	405	
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	648	652	
Garber Wellington Aquifer	350845097214501	605	611	
Garber Wellington Aquifer	351118097114901	150	144	
Garber Wellington Aquifer	351208097190001		604	
Garber Wellington Aquifer	351208097190001		700	
Garber Wellington Aquifer	351208097190001		689	
Garber Wellington Aquifer	351208097190001		846	
Garber Wellington Aquifer	351208097190001		942	
Garber Wellington Aquifer	351208097190001		797	
Garber Wellington Aquifer	351208097190001		1256	
Garber Wellington Aquifer	351214097192701		657	
Garber Wellington Aquifer	351214097192701		2620	
Garber Wellington Aquifer	351219097262301	1350	1350	
Garber Wellington Aquifer	351236097262801	1130	1100	
Garber Wellington Aquifer	351239097221101		623	
Garber Wellington Aquifer	351239097221101		601	
Garber Wellington Aquifer	351239097221101		551	
Garber Wellington Aquifer	351239097221101		527	
Garber Wellington Aquifer	351239097221101		578	
Garber Wellington Aquifer	351239097221101		641	
Garber Wellington Aquifer	351239097221101		1110	
Garber Wellington Aquifer	351239097221101		1530	
Garber Wellington Aquifer	351314097254702		993	
Garber Wellington Aquifer	351314097254704		2263	
Garber Wellington Aquifer	351349097175501		320	
Garber Wellington Aquifer	351349097175501		351	
Garber Wellington Aquifer	351349097175501		348	
Garber Wellington Aquifer	351349097175501		348	
Garber Wellington Aquifer	351349097175501		360	
Garber Wellington Aquifer	351349097175501		356	

Water Analyses: Major Ions

Unit	Well ID	Calculated TDS at 180C (mg/l)	Calculated TDS (mg/l)	Calculated TDS from Lab Conductivity (mg/l)	Calculated TDS from Field Conductivity (mg/l)
Garber Sandstone	352703097302401	2318	2392		3960
Garber Sandstone	352703097302401	2656	2696		4224
Garber Sandstone	352703097302401	2750	2803		4686
Garber Sandstone	352703097302401	2840	2970		4620
Garber Sandstone	352703097302401	2874	3032		4554
Garber Sandstone	352703097302401	2866	3041		4290
Garber Sandstone	352703097302401	2594	2651		4224
Garber Sandstone	352703097302401	2722	2850		4290
Garber Sandstone	352703097302401	2639	2639		4620
Garber Sandstone	352703097302401	2061	2061		4092
Garber Sandstone	352703097302401	2613	2797		4620
Garber Sandstone	352703097302402	1319	1497		4198
Garber Sandstone	352703097302403	2227	2266		3120
Garber Sandstone	352705097175401	148	222	173	166
Garber Sandstone	352735097155001	331	372		407
Garber Sandstone	352738097191001	194	247	262	255
Garber Sandstone	352740097275301	248	378	289	283
Garber Wellington Aquifer	350055097125402	352	510	430	429
Garber Wellington Aquifer	350101097125401	342	517	381	376
Garber Wellington Aquifer	350203097072201	252	309	314	290
Garber Wellington Aquifer	350240097064101	241	369	271	267
Garber Wellington Aquifer	350419097093801	117	117		
Garber Wellington Aquifer	350747097113701	494	494		
Garber Wellington Aquifer	350756097232001	392	575	428	430
Garber Wellington Aquifer	350845097214501	349	528	399	403
Garber Wellington Aquifer	351118097114901	95	134	99	95
Garber Wellington Aquifer	351208097190001	147	147		399
Garber Wellington Aquifer	351208097190001	208	208		462
Garber Wellington Aquifer	351208097190001	226	226		455
Garber Wellington Aquifer	351208097190001	322	322		558
Garber Wellington Aquifer	351208097190001	362	362		622
Garber Wellington Aquifer	351208097190001	284	284		526
Garber Wellington Aquifer	351208097190001	544	544		829
Garber Wellington Aquifer	351214097192701	222	222		434
Garber Wellington Aquifer	351214097192701	2292	2292		1729
Garber Wellington Aquifer	351219097262301	848	1026	891	891
Garber Wellington Aquifer	351236097262801	682	891	746	726
Garber Wellington Aquifer	351239097221101	181	181		411
Garber Wellington Aquifer	351239097221101	176	176		397
Garber Wellington Aquifer	351239097221101	152	152		364
Garber Wellington Aquifer	351239097221101	169	169		348
Garber Wellington Aquifer	351239097221101	162	162		381
Garber Wellington Aquifer	351239097221101	177	177		423
Garber Wellington Aquifer	351239097221101	438	438		733
Garber Wellington Aquifer	351239097221101	644	644		1010
Garber Wellington Aquifer	351314097254702	142	142		655
Garber Wellington Aquifer	351314097254704	584	584		1494
Garber Wellington Aquifer	351349097175501	94	94		211
Garber Wellington Aquifer	351349097175501	102	102		232
Garber Wellington Aquifer	351349097175501	98	98		230
Garber Wellington Aquifer	351349097175501	98	98		230
Garber Wellington Aquifer	351349097175501	99	99		238
Garber Wellington Aquifer	351349097175501	105	105		235

Water Analyses: Major Ions

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351349097175501	7/29/1986	225	68.6
Garber Wellington Aquifer	351349097175501	7/29/1986	251	76.5
Garber Wellington Aquifer	351349097175501	7/29/1986	274	83.5
Garber Wellington Aquifer	351349097175501	7/29/1986	283	86.3
Garber Wellington Aquifer	351349097175501	7/29/1986	340	103.6
Garber Wellington Aquifer	351349097175501	7/29/1986	360	109.7
Garber Wellington Aquifer	351349097175501	7/29/1986	415	126.5
Garber Wellington Aquifer	351349097175501	7/29/1986	463	141.1
Garber Wellington Aquifer	351349097175501	7/29/1986	475	144.8
Garber Wellington Aquifer	351349097175501	7/29/1986	515	157.0
Garber Wellington Aquifer	351414097293901	12/7/1984		
Garber Wellington Aquifer	351414097293901	10/17/1985		
Garber Wellington Aquifer	351414097293901	8/3/1987		
Garber Wellington Aquifer	351455097153301	9/23/1986	140	42.7
Garber Wellington Aquifer	351455097153301	9/23/1986	175	53.3
Garber Wellington Aquifer	351455097153301	9/23/1986	195	59.4
Garber Wellington Aquifer	351455097153301	9/23/1986	235	71.6
Garber Wellington Aquifer	351455097153301	9/23/1986	255	77.7
Garber Wellington Aquifer	351455097153301	9/23/1986	315	96.0
Garber Wellington Aquifer	351455097153301	9/23/1986	405	123.4
Garber Wellington Aquifer	351455097153301	9/23/1986	455	138.7
Garber Wellington Aquifer	351455097153301	9/23/1986	475	144.8
Garber Wellington Aquifer	351455097153301	9/23/1986	515	157.0
Garber Wellington Aquifer	351455097153301	9/23/1986	595	181.4
Garber Wellington Aquifer	351455097153301	9/23/1986	615	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	115	35.1
Garber Wellington Aquifer	351537097180201	7/29/1986	160	48.8
Garber Wellington Aquifer	351537097180201	7/29/1986	185	56.4
Garber Wellington Aquifer	351537097180201	7/29/1986	215	65.5
Garber Wellington Aquifer	351537097180201	7/29/1986	295	89.9
Garber Wellington Aquifer	351537097180201	7/29/1986	335	102.1
Garber Wellington Aquifer	351537097180201	7/29/1986	455	138.7
Garber Wellington Aquifer	351537097180201	7/29/1986	495	150.9
Garber Wellington Aquifer	351537097180201	7/29/1986	515	157.0
Garber Wellington Aquifer	351537097180201	7/29/1986	555	169.2
Garber Wellington Aquifer	351537097180201	7/29/1986	595	181.4
Garber Wellington Aquifer	351537097180201	7/29/1986	615	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	655	199.6
Garber Wellington Aquifer	351537097180201	7/29/1986	765	233.2
Garber Wellington Aquifer	351537097180201	7/29/1986	795	242.3
Garber Wellington Aquifer	351543097200601	7/29/1986	115	35.1
Garber Wellington Aquifer	351543097200601	7/29/1986	155	47.2
Garber Wellington Aquifer	351543097200601	7/29/1986	213	64.9
Garber Wellington Aquifer	351543097200601	7/29/1986	235	71.6
Garber Wellington Aquifer	351543097200601	7/29/1986	275	83.8
Garber Wellington Aquifer	351543097200601	7/29/1986	310	94.5
Garber Wellington Aquifer	351543097200601	7/29/1986	355	108.2
Garber Wellington Aquifer	351543097200601	7/29/1986	395	120.4
Garber Wellington Aquifer	351543097200601	7/29/1986	445	135.6
Garber Wellington Aquifer	351543097200601	7/29/1986	475	144.8
Garber Wellington Aquifer	351543097200601	7/29/1986	535	163.1
Garber Wellington Aquifer	351543097200601	7/29/1986	615	187.5
Garber Wellington Aquifer	351543097200601	7/29/1986	635	193.5

Water Analyses: Major Ions

Unit	Well ID	Field pH	Lab pH	Ca (mg/L)	Mg (mg/L)
Garber Wellington Aquifer	351349097175501	8.2		27	14
Garber Wellington Aquifer	351349097175501	8.3		23	13
Garber Wellington Aquifer	351349097175501	8.3		25	14
Garber Wellington Aquifer	351349097175501	8		28	14
Garber Wellington Aquifer	351349097175501	8		27	13
Garber Wellington Aquifer	351349097175501	7.8		19	13
Garber Wellington Aquifer	351349097175501	7.8		19	13
Garber Wellington Aquifer	351349097175501	7.9		22	13
Garber Wellington Aquifer	351349097175501	8.1		22	12
Garber Wellington Aquifer	351349097175501	8.3		20	13
Garber Wellington Aquifer	351414097293901		8.6	6	3
Garber Wellington Aquifer	351414097293901		8.6	18	9
Garber Wellington Aquifer	351414097293901	8.6	8.6	4	2
Garber Wellington Aquifer	351455097153301	7.9		36	21
Garber Wellington Aquifer	351455097153301	8		29	19
Garber Wellington Aquifer	351455097153301	7.5		26	17
Garber Wellington Aquifer	351455097153301	7.7		25	17
Garber Wellington Aquifer	351455097153301	8.2		30	20
Garber Wellington Aquifer	351455097153301	8.2		32	20
Garber Wellington Aquifer	351455097153301	7.7		22	14
Garber Wellington Aquifer	351455097153301	7.4		3	5
Garber Wellington Aquifer	351455097153301	7.7		5	6
Garber Wellington Aquifer	351455097153301	7.6		5	7
Garber Wellington Aquifer	351455097153301	7.8		5	4
Garber Wellington Aquifer	351455097153301	7.6		12	4
Garber Wellington Aquifer	351537097180201	7.5		35	19
Garber Wellington Aquifer	351537097180201	7.6		33	21
Garber Wellington Aquifer	351537097180201	7.6		33	20
Garber Wellington Aquifer	351537097180201	7.5		37	22
Garber Wellington Aquifer	351537097180201	7.6		33	20
Garber Wellington Aquifer	351537097180201	7.9		38	24
Garber Wellington Aquifer	351537097180201	7.9		44	26
Garber Wellington Aquifer	351537097180201	7.5		40	25
Garber Wellington Aquifer	351537097180201	7.4		51	34
Garber Wellington Aquifer	351537097180201	7.4		36	20
Garber Wellington Aquifer	351537097180201	7.5		40	23
Garber Wellington Aquifer	351537097180201	7.7		27	17
Garber Wellington Aquifer	351537097180201	8.3		29	18
Garber Wellington Aquifer	351537097180201	7.8		28	17
Garber Wellington Aquifer	351537097180201	7.8		75	36
Garber Wellington Aquifer	351543097200601	8.1		47	32
Garber Wellington Aquifer	351543097200601	7.6		46	31
Garber Wellington Aquifer	351543097200601	7.6		45	30
Garber Wellington Aquifer	351543097200601	7.6		46	30
Garber Wellington Aquifer	351543097200601	7.6		43	29
Garber Wellington Aquifer	351543097200601	7.7		43	29
Garber Wellington Aquifer	351543097200601	8		45	31
Garber Wellington Aquifer	351543097200601	7.7		42	28
Garber Wellington Aquifer	351543097200601	7.7		43	29
Garber Wellington Aquifer	351543097200601	7.5		41	28
Garber Wellington Aquifer	351543097200601	7.9		42	29
Garber Wellington Aquifer	351543097200601	7.9		41	27
Garber Wellington Aquifer	351543097200601	8		41	28

Water Analyses: Major Ions

Unit	Well ID	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO4 (mg/L)
Garber Wellington Aquifer	351349097175501	16	2	23	10
Garber Wellington Aquifer	351349097175501	15	2	22	12
Garber Wellington Aquifer	351349097175501	20	2	21	10
Garber Wellington Aquifer	351349097175501	20	2	21	10
Garber Wellington Aquifer	351349097175501	25	2	20	10
Garber Wellington Aquifer	351349097175501	29	3	21	11
Garber Wellington Aquifer	351349097175501	30	2	20	11
Garber Wellington Aquifer	351349097175501	41	2	31	10
Garber Wellington Aquifer	351349097175501	44	2	35	14
Garber Wellington Aquifer	351349097175501	132	2	200	58
Garber Wellington Aquifer	351414097293901			10	38
Garber Wellington Aquifer	351414097293901			24	240
Garber Wellington Aquifer	351414097293901	300	0.9	21	270
Garber Wellington Aquifer	351455097153301	16	3	7	10
Garber Wellington Aquifer	351455097153301	19	2	6	10
Garber Wellington Aquifer	351455097153301	22	2	5	12
Garber Wellington Aquifer	351455097153301	22	2	5	19
Garber Wellington Aquifer	351455097153301	22	2	8	10
Garber Wellington Aquifer	351455097153301	20	2	6	10
Garber Wellington Aquifer	351455097153301	49	2	8	10
Garber Wellington Aquifer	351455097153301	149	2	14	13
Garber Wellington Aquifer	351455097153301	169	2	26	17
Garber Wellington Aquifer	351455097153301	182	2	39	25
Garber Wellington Aquifer	351455097153301	314	2	170	97
Garber Wellington Aquifer	351455097153301	425	2	280	179
Garber Wellington Aquifer	351537097180201	48	2	27	12
Garber Wellington Aquifer	351537097180201	35	2	14	10
Garber Wellington Aquifer	351537097180201	26	2	15	10
Garber Wellington Aquifer	351537097180201	18	2	13	10
Garber Wellington Aquifer	351537097180201	25	2	11	10
Garber Wellington Aquifer	351537097180201	15	2	13	10
Garber Wellington Aquifer	351537097180201	14	2	14	10
Garber Wellington Aquifer	351537097180201	10	2	14	10
Garber Wellington Aquifer	351537097180201	13	4	13	10
Garber Wellington Aquifer	351537097180201	12	2	8	10
Garber Wellington Aquifer	351537097180201	7	2	7	10
Garber Wellington Aquifer	351537097180201	32	2	6	10
Garber Wellington Aquifer	351537097180201	67	2	44	14
Garber Wellington Aquifer	351537097180201	50	2	13	10
Garber Wellington Aquifer	351537097180201	505	3	708	222
Garber Wellington Aquifer	351543097200601	17	2	12	12
Garber Wellington Aquifer	351543097200601	14	2	12	10
Garber Wellington Aquifer	351543097200601	13	2	11	10
Garber Wellington Aquifer	351543097200601	14	2	11	10
Garber Wellington Aquifer	351543097200601	12	2	10	13
Garber Wellington Aquifer	351543097200601	12	2	9	10
Garber Wellington Aquifer	351543097200601	14	2	11	10
Garber Wellington Aquifer	351543097200601	16	2	10	10
Garber Wellington Aquifer	351543097200601	13	3	11	10
Garber Wellington Aquifer	351543097200601	15	2	10	10
Garber Wellington Aquifer	351543097200601	15	2	10	10
Garber Wellington Aquifer	351543097200601	35	2	28	11
Garber Wellington Aquifer	351543097200601	20	2	11	10

Water Analyses: Major Ions

Unit	Well ID	SiO2 (mg/L)	Na + K (mg/L)	Carbonate (mg/L CO3)
Garber Wellington Aquifer	351349097175501	6		74
Garber Wellington Aquifer	351349097175501	5		70
Garber Wellington Aquifer	351349097175501	6		79
Garber Wellington Aquifer	351349097175501	5		83
Garber Wellington Aquifer	351349097175501	5		83
Garber Wellington Aquifer	351349097175501	6		76
Garber Wellington Aquifer	351349097175501	5		74
Garber Wellington Aquifer	351349097175501	5		86
Garber Wellington Aquifer	351349097175501	5		85
Garber Wellington Aquifer	351349097175501	4		82
Garber Wellington Aquifer	351414097293901			15
Garber Wellington Aquifer	351414097293901			47
Garber Wellington Aquifer	351414097293901	10		7
Garber Wellington Aquifer	351455097153301	6		110
Garber Wellington Aquifer	351455097153301	5		101
Garber Wellington Aquifer	351455097153301	4		86
Garber Wellington Aquifer	351455097153301	4		98
Garber Wellington Aquifer	351455097153301	4		113
Garber Wellington Aquifer	351455097153301	5		107
Garber Wellington Aquifer	351455097153301	4		118
Garber Wellington Aquifer	351455097153301	21		144
Garber Wellington Aquifer	351455097153301	26		152
Garber Wellington Aquifer	351455097153301	29		161
Garber Wellington Aquifer	351455097153301	17		174
Garber Wellington Aquifer	351455097153301	19		168
Garber Wellington Aquifer	351537097180201	7		128
Garber Wellington Aquifer	351537097180201	17		115
Garber Wellington Aquifer	351537097180201	5		114
Garber Wellington Aquifer	351537097180201	5		118
Garber Wellington Aquifer	351537097180201	4		115
Garber Wellington Aquifer	351537097180201	7		106
Garber Wellington Aquifer	351537097180201	6		107
Garber Wellington Aquifer	351537097180201	6		120
Garber Wellington Aquifer	351537097180201	37		116
Garber Wellington Aquifer	351537097180201	6		101
Garber Wellington Aquifer	351537097180201	11		113
Garber Wellington Aquifer	351537097180201	5		118
Garber Wellington Aquifer	351537097180201	9		96
Garber Wellington Aquifer	351537097180201	6		130
Garber Wellington Aquifer	351537097180201	7		94
Garber Wellington Aquifer	351543097200601	9		118
Garber Wellington Aquifer	351543097200601	5		141
Garber Wellington Aquifer	351543097200601	7		132
Garber Wellington Aquifer	351543097200601	5		165
Garber Wellington Aquifer	351543097200601	6		134
Garber Wellington Aquifer	351543097200601	6		134
Garber Wellington Aquifer	351543097200601	12		120
Garber Wellington Aquifer	351543097200601	7		135
Garber Wellington Aquifer	351543097200601	22		134
Garber Wellington Aquifer	351543097200601	8		139
Garber Wellington Aquifer	351543097200601	8		122
Garber Wellington Aquifer	351543097200601	6		139
Garber Wellington Aquifer	351543097200601	9		127

Water Analyses: Major Ions

Unit	Well ID	Bicarbonate (mg/L HCO3)	Hardness (mg/L as CaCO3)	Alkalinity (mg/L as CaCO3)
Garber Wellington Aquifer	351349097175501		124	
Garber Wellington Aquifer	351349097175501		116	
Garber Wellington Aquifer	351349097175501		131	
Garber Wellington Aquifer	351349097175501		138	
Garber Wellington Aquifer	351349097175501		138	
Garber Wellington Aquifer	351349097175501		126	
Garber Wellington Aquifer	351349097175501		124	
Garber Wellington Aquifer	351349097175501		144	
Garber Wellington Aquifer	351349097175501		142	
Garber Wellington Aquifer	351349097175501		136	
Garber Wellington Aquifer	351414097293901		25	
Garber Wellington Aquifer	351414097293901		78	
Garber Wellington Aquifer	351414097293901	469	396	
Garber Wellington Aquifer	351455097153301		184	
Garber Wellington Aquifer	351455097153301		168	
Garber Wellington Aquifer	351455097153301		144	
Garber Wellington Aquifer	351455097153301		164	
Garber Wellington Aquifer	351455097153301		188	
Garber Wellington Aquifer	351455097153301		178	
Garber Wellington Aquifer	351455097153301		196	
Garber Wellington Aquifer	351455097153301		240	
Garber Wellington Aquifer	351455097153301		254	
Garber Wellington Aquifer	351455097153301		268	
Garber Wellington Aquifer	351455097153301		290	
Garber Wellington Aquifer	351455097153301		280	
Garber Wellington Aquifer	351537097180201		213	
Garber Wellington Aquifer	351537097180201		192	
Garber Wellington Aquifer	351537097180201		190	
Garber Wellington Aquifer	351537097180201		196	
Garber Wellington Aquifer	351537097180201		192	
Garber Wellington Aquifer	351537097180201		176	
Garber Wellington Aquifer	351537097180201		178	
Garber Wellington Aquifer	351537097180201		200	
Garber Wellington Aquifer	351537097180201		193	
Garber Wellington Aquifer	351537097180201		168	
Garber Wellington Aquifer	351537097180201		188	
Garber Wellington Aquifer	351537097180201		196	
Garber Wellington Aquifer	351537097180201		160	
Garber Wellington Aquifer	351537097180201		216	
Garber Wellington Aquifer	351537097180201		156	
Garber Wellington Aquifer	351543097200601		196	
Garber Wellington Aquifer	351543097200601		236	
Garber Wellington Aquifer	351543097200601		220	
Garber Wellington Aquifer	351543097200601		276	
Garber Wellington Aquifer	351543097200601		223	
Garber Wellington Aquifer	351543097200601		223	
Garber Wellington Aquifer	351543097200601		200	
Garber Wellington Aquifer	351543097200601		225	
Garber Wellington Aquifer	351543097200601		224	
Garber Wellington Aquifer	351543097200601		232	
Garber Wellington Aquifer	351543097200601		204	
Garber Wellington Aquifer	351543097200601		232	
Garber Wellington Aquifer	351543097200601		211	

Water Analyses: Major Ions

Unit	Well ID	TDS @ 105 (mg/L)	TDS @ 180 (mg/L)	TDS, sum of constituents (mg/L)
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			

Water Analyses: Major Ions

Unit	Well ID	Lab Conductivity (uS/cm @ 25 deg C)	Field Conductivity (uS/cm @ 25 deg C.)	HCO3, calculated from Alkalinity (mg/L)
Garber Wellington Aquifer	351349097175501		356	
Garber Wellington Aquifer	351349097175501		348	
Garber Wellington Aquifer	351349097175501		355	
Garber Wellington Aquifer	351349097175501		373	
Garber Wellington Aquifer	351349097175501		375	
Garber Wellington Aquifer	351349097175501		371	
Garber Wellington Aquifer	351349097175501		358	
Garber Wellington Aquifer	351349097175501		424	
Garber Wellington Aquifer	351349097175501		440	
Garber Wellington Aquifer	351349097175501		1160	
Garber Wellington Aquifer	351414097293901		605	
Garber Wellington Aquifer	351414097293901		1180	
Garber Wellington Aquifer	351414097293901	1380	1310	
Garber Wellington Aquifer	351455097153301		408	
Garber Wellington Aquifer	351455097153301		359	
Garber Wellington Aquifer	351455097153301		360	
Garber Wellington Aquifer	351455097153301		336	
Garber Wellington Aquifer	351455097153301		378	
Garber Wellington Aquifer	351455097153301		382	
Garber Wellington Aquifer	351455097153301		408	
Garber Wellington Aquifer	351455097153301		602	
Garber Wellington Aquifer	351455097153301		699	
Garber Wellington Aquifer	351455097153301		729	
Garber Wellington Aquifer	351455097153301		1320	
Garber Wellington Aquifer	351455097153301		1850	
Garber Wellington Aquifer	351537097180201		576	
Garber Wellington Aquifer	351537097180201		468	
Garber Wellington Aquifer	351537097180201		454	
Garber Wellington Aquifer	351537097180201		458	
Garber Wellington Aquifer	351537097180201		443	
Garber Wellington Aquifer	351537097180201		418	
Garber Wellington Aquifer	351537097180201		413	
Garber Wellington Aquifer	351537097180201		450	
Garber Wellington Aquifer	351537097180201		441	
Garber Wellington Aquifer	351537097180201		390	
Garber Wellington Aquifer	351537097180201		399	
Garber Wellington Aquifer	351537097180201		435	
Garber Wellington Aquifer	351537097180201		621	
Garber Wellington Aquifer	351537097180201		489	
Garber Wellington Aquifer	351537097180201		3200	
Garber Wellington Aquifer	351543097200601		437	
Garber Wellington Aquifer	351543097200601		509	
Garber Wellington Aquifer	351543097200601		487	
Garber Wellington Aquifer	351543097200601		529	
Garber Wellington Aquifer	351543097200601		497	
Garber Wellington Aquifer	351543097200601		489	
Garber Wellington Aquifer	351543097200601		430	
Garber Wellington Aquifer	351543097200601		506	
Garber Wellington Aquifer	351543097200601		490	
Garber Wellington Aquifer	351543097200601		503	
Garber Wellington Aquifer	351543097200601		465	
Garber Wellington Aquifer	351543097200601		562	
Garber Wellington Aquifer	351543097200601		477	

Water Analyses: Major Ions

Unit	Well ID	Calculated TDS at 180C (mg/l)	Calculated TDS (mg/l)	Calculated TDS from Lab Conductivity (mg/l)	Calculated TDS from Field Conductivity (mg/l)
Garber Wellington Aquifer	351349097175501	98	98		235
Garber Wellington Aquifer	351349097175501	92	92		230
Garber Wellington Aquifer	351349097175501	98	98		234
Garber Wellington Aquifer	351349097175501	100	100		246
Garber Wellington Aquifer	351349097175501	102	102		248
Garber Wellington Aquifer	351349097175501	102	102		245
Garber Wellington Aquifer	351349097175501	100	100		236
Garber Wellington Aquifer	351349097175501	124	124		280
Garber Wellington Aquifer	351349097175501	134	134		290
Garber Wellington Aquifer	351349097175501	429	429		766
Garber Wellington Aquifer	351414097293901	57	57		399
Garber Wellington Aquifer	351414097293901	292	292		779
Garber Wellington Aquifer	351414097293901	838	1076	911	865
Garber Wellington Aquifer	351455097153301	99	99		269
Garber Wellington Aquifer	351455097153301	90	90		237
Garber Wellington Aquifer	351455097153301	88	88		238
Garber Wellington Aquifer	351455097153301	94	94		222
Garber Wellington Aquifer	351455097153301	96	96		249
Garber Wellington Aquifer	351455097153301	95	95		252
Garber Wellington Aquifer	351455097153301	109	109		269
Garber Wellington Aquifer	351455097153301	207	207		397
Garber Wellington Aquifer	351455097153301	251	251		461
Garber Wellington Aquifer	351455097153301	289	289		481
Garber Wellington Aquifer	351455097153301	609	609		871
Garber Wellington Aquifer	351455097153301	921	921		1221
Garber Wellington Aquifer	351537097180201	150	150		380
Garber Wellington Aquifer	351537097180201	132	132		309
Garber Wellington Aquifer	351537097180201	111	111		300
Garber Wellington Aquifer	351537097180201	107	107		302
Garber Wellington Aquifer	351537097180201	105	105		292
Garber Wellington Aquifer	351537097180201	109	109		276
Garber Wellington Aquifer	351537097180201	116	116		273
Garber Wellington Aquifer	351537097180201	107	107		297
Garber Wellington Aquifer	351537097180201	162	162		291
Garber Wellington Aquifer	351537097180201	94	94		257
Garber Wellington Aquifer	351537097180201	100	100		263
Garber Wellington Aquifer	351537097180201	99	99		287
Garber Wellington Aquifer	351537097180201	183	183		410
Garber Wellington Aquifer	351537097180201	126	126		323
Garber Wellington Aquifer	351537097180201	1556	1556		2112
Garber Wellington Aquifer	351543097200601	131	131		288
Garber Wellington Aquifer	351543097200601	120	120		336
Garber Wellington Aquifer	351543097200601	118	118		321
Garber Wellington Aquifer	351543097200601	118	118		349
Garber Wellington Aquifer	351543097200601	115	115		328
Garber Wellington Aquifer	351543097200601	111	111		323
Garber Wellington Aquifer	351543097200601	125	125		284
Garber Wellington Aquifer	351543097200601	115	115		334
Garber Wellington Aquifer	351543097200601	131	131		323
Garber Wellington Aquifer	351543097200601	114	114		332
Garber Wellington Aquifer	351543097200601	116	116		307
Garber Wellington Aquifer	351543097200601	150	150		371
Garber Wellington Aquifer	351543097200601	121	121		315

Water Analyses: Major Ions

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351543097200601	7/29/1986	655	199.6
Garber Wellington Aquifer	351543097200601	7/29/1986	675	205.7
Garber Wellington Aquifer	351543097200601	7/29/1986	695	211.8
Garber Wellington Aquifer	351611097042001	9/8/1987		
Garber Wellington Aquifer	351624097082401	6/7/1988		
Garber Wellington Aquifer	351630097190001	8/20/1986		
Garber Wellington Aquifer	351632097200601	7/29/1986	115	35.1
Garber Wellington Aquifer	351632097200601	7/29/1986	155	47.2
Garber Wellington Aquifer	351632097200601	7/29/1986	215	65.5
Garber Wellington Aquifer	351632097200601	7/29/1986	335	102.1
Garber Wellington Aquifer	351632097200601	7/29/1986	355	108.2
Garber Wellington Aquifer	351632097200601	7/29/1986	395	120.4
Garber Wellington Aquifer	351632097200601	7/29/1986	415	126.5
Garber Wellington Aquifer	351632097200601	7/29/1986	435	132.6
Garber Wellington Aquifer	351632097200601	7/29/1986	475	144.8
Garber Wellington Aquifer	351632097200601	7/29/1986	515	157.0
Garber Wellington Aquifer	351632097200601	7/29/1986	575	175.3
Garber Wellington Aquifer	351632097200601	7/29/1986	615	187.5
Garber Wellington Aquifer	351632097200601	7/29/1986	635	193.5
Garber Wellington Aquifer	351632097200601	7/29/1986	695	211.8
Garber Wellington Aquifer	351632097200601	7/29/1986	715	217.9
Garber Wellington Aquifer	351643097285002	10/17/1982	362	110.3
Garber Wellington Aquifer	351643097285003	10/17/1982	542	165.2
Garber Wellington Aquifer	351643097285004	10/17/1982	796	242.6
Garber Wellington Aquifer	351715097032501	8/18/1986		
Garber Wellington Aquifer	351729097221301	10/15/1987		
Garber Wellington Aquifer	351729097221302	9/23/1986	95	29.0
Garber Wellington Aquifer	351729097221302	9/23/1986	135	41.1
Garber Wellington Aquifer	351729097221302	9/23/1986	175	53.3
Garber Wellington Aquifer	351729097221302	9/23/1986	215	65.5
Garber Wellington Aquifer	351729097221302	9/23/1986	250	76.2
Garber Wellington Aquifer	351729097221302	9/23/1986	275	83.8
Garber Wellington Aquifer	351729097221302	9/23/1986	315	96.0
Garber Wellington Aquifer	351729097221302	9/23/1986	395	120.4
Garber Wellington Aquifer	351729097221302	9/23/1986	415	126.5
Garber Wellington Aquifer	351729097221302	9/23/1986	435	132.6
Garber Wellington Aquifer	351729097221302	9/23/1986	515	157.0
Garber Wellington Aquifer	351729097221302	9/23/1986	535	163.1
Garber Wellington Aquifer	351729097221302	9/23/1986	585	178.3
Garber Wellington Aquifer	351729097221302	9/23/1986	655	199.6
Garber Wellington Aquifer	351729097221302	9/23/1986	715	217.9
Garber Wellington Aquifer	351729097221302	9/23/1986	755	230.1
Garber Wellington Aquifer	351729097221302	9/23/1986	795	242.3
Garber Wellington Aquifer	351729097221302	10/22/1987		
Garber Wellington Aquifer	351817097155201	7/29/1986	100	30.5
Garber Wellington Aquifer	351817097155201	7/29/1986	140	42.7
Garber Wellington Aquifer	351817097155201	7/29/1986	195	59.4
Garber Wellington Aquifer	351817097155201	7/29/1986	220	67.1
Garber Wellington Aquifer	351817097155201	7/29/1986	295	89.9

Water Analyses: Major Ions

Unit	Well ID	Field pH	Lab pH	Ca (mg/L)	Mg (mg/L)
Garber Wellington Aquifer	351543097200601	7.7		42	28
Garber Wellington Aquifer	351543097200601	8.3		42	28
Garber Wellington Aquifer	351543097200601	8.6		7	4
Garber Wellington Aquifer	351611097042001	6.34	6.5	26	13
Garber Wellington Aquifer	351624097082401	7.29	7.4	56	31
Garber Wellington Aquifer	351630097190001		6.8	39	21
Garber Wellington Aquifer	351632097200601	7.5		55	27
Garber Wellington Aquifer	351632097200601	7.5		55	28
Garber Wellington Aquifer	351632097200601	7.6		51	28
Garber Wellington Aquifer	351632097200601	7.6		51	27
Garber Wellington Aquifer	351632097200601	7.6		51	27
Garber Wellington Aquifer	351632097200601	7.5		52	27
Garber Wellington Aquifer	351632097200601	7.6		49	26
Garber Wellington Aquifer	351632097200601	7.6		49	26
Garber Wellington Aquifer	351632097200601	7.7		50	26
Garber Wellington Aquifer	351632097200601	7.8		44	22
Garber Wellington Aquifer	351632097200601	7.6		44	22
Garber Wellington Aquifer	351632097200601	7.6		42	20
Garber Wellington Aquifer	351632097200601	7.7		40	20
Garber Wellington Aquifer	351632097200601	7.6		40	20
Garber Wellington Aquifer	351632097200601	8		37	18
Garber Wellington Aquifer	351643097285002		8	10	5
Garber Wellington Aquifer	351643097285003		8.6	2	1
Garber Wellington Aquifer	351643097285004		8.1	2	1
Garber Wellington Aquifer	351715097032501		5.6	5	2
Garber Wellington Aquifer	351729097221301	7.32	7.8	60	37
Garber Wellington Aquifer	351729097221302	7.4		66	36
Garber Wellington Aquifer	351729097221302	7.5		75	48
Garber Wellington Aquifer	351729097221302	7.7		58	39
Garber Wellington Aquifer	351729097221302	7.3		58	37
Garber Wellington Aquifer	351729097221302	7.3		58	37
Garber Wellington Aquifer	351729097221302	7.7		65	39
Garber Wellington Aquifer	351729097221302	7.7		62	37
Garber Wellington Aquifer	351729097221302	8.1		62	36
Garber Wellington Aquifer	351729097221302	7.7		60	36
Garber Wellington Aquifer	351729097221302	7.8		59	37
Garber Wellington Aquifer	351729097221302	7.7		64	38
Garber Wellington Aquifer	351729097221302	7.9		62	38
Garber Wellington Aquifer	351729097221302	8		11	7
Garber Wellington Aquifer	351729097221302	7.7		8	5
Garber Wellington Aquifer	351729097221302	7.8		33	21
Garber Wellington Aquifer	351729097221302	7.9		50	29
Garber Wellington Aquifer	351729097221302	8		47	28
Garber Wellington Aquifer	351729097221302	9	7.6	6	3
Garber Wellington Aquifer	351817097155201	7.8		12	5
Garber Wellington Aquifer	351817097155201	7.1		22	11
Garber Wellington Aquifer	351817097155201	7.7		29	15
Garber Wellington Aquifer	351817097155201	7.6		25	13
Garber Wellington Aquifer	351817097155201	7.3		30	15

Water Analyses: Major Ions

Unit	Well ID	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO4 (mg/L)
Garber Wellington Aquifer	351543097200601	47	2	38	13
Garber Wellington Aquifer	351543097200601	17	2	12	10
Garber Wellington Aquifer	351543097200601	535	2	490	156
Garber Wellington Aquifer	351611097042001	21	3.1	24	29
Garber Wellington Aquifer	351624097082401	11	1.6	10	5.2
Garber Wellington Aquifer	351630097190001	10		15	20
Garber Wellington Aquifer	351632097200601	7	2	8	10
Garber Wellington Aquifer	351632097200601	7	2	8	10
Garber Wellington Aquifer	351632097200601	7	2	8	10
Garber Wellington Aquifer	351632097200601	7	2	8	10
Garber Wellington Aquifer	351632097200601	7	2	8	10
Garber Wellington Aquifer	351632097200601	9	2	8	10
Garber Wellington Aquifer	351632097200601	11	2	8	10
Garber Wellington Aquifer	351632097200601	12	2	8	10
Garber Wellington Aquifer	351632097200601	7	2	9	10
Garber Wellington Aquifer	351632097200601	23	2	8	10
Garber Wellington Aquifer	351632097200601	22	2	8	10
Garber Wellington Aquifer	351632097200601	82	2	71	20
Garber Wellington Aquifer	351632097200601	101	2	87	23
Garber Wellington Aquifer	351632097200601	122	2	100	31
Garber Wellington Aquifer	351632097200601	254	2	290	104
Garber Wellington Aquifer	351643097285002			92	535
Garber Wellington Aquifer	351643097285003			61	51
Garber Wellington Aquifer	351643097285004			46	37
Garber Wellington Aquifer	351715097032501	12		11	20
Garber Wellington Aquifer	351729097221301	15	2.3	14	9.2
Garber Wellington Aquifer	351729097221302	23	5	19	14
Garber Wellington Aquifer	351729097221302	20	2	21	13
Garber Wellington Aquifer	351729097221302	17	3	19	10
Garber Wellington Aquifer	351729097221302	15	3	16	10
Garber Wellington Aquifer	351729097221302	14	2	17	12
Garber Wellington Aquifer	351729097221302	15	2	17	10
Garber Wellington Aquifer	351729097221302	28	2	17	11
Garber Wellington Aquifer	351729097221302	18	2	15	11
Garber Wellington Aquifer	351729097221302	16	2	15	11
Garber Wellington Aquifer	351729097221302	17	2	16	12
Garber Wellington Aquifer	351729097221302	19	2	16	10
Garber Wellington Aquifer	351729097221302	17	2	16	12
Garber Wellington Aquifer	351729097221302	93	2	5	10
Garber Wellington Aquifer	351729097221302	108	2	16	14
Garber Wellington Aquifer	351729097221302	124	2	74	11
Garber Wellington Aquifer	351729097221302	97	2	69	15
Garber Wellington Aquifer	351729097221302	239	2	260	50
Garber Wellington Aquifer	351729097221302	250	4.5	200	31
Garber Wellington Aquifer	351817097155201	115	2	21	13
Garber Wellington Aquifer	351817097155201	127	2	51	24
Garber Wellington Aquifer	351817097155201	46	2	6	10
Garber Wellington Aquifer	351817097155201	49	2	5	11
Garber Wellington Aquifer	351817097155201	33	2	6	10

Water Analyses: Major Ions

Unit	Well ID	SiO2 (mg/L)	Na + K (mg/L)	Carbonate (mg/L CO3)
Garber Wellington Aquifer	351543097200601	9		130
Garber Wellington Aquifer	351543097200601	6		91
Garber Wellington Aquifer	351543097200601	9		178
Garber Wellington Aquifer	351611097042001	16		
Garber Wellington Aquifer	351624097082401	15		
Garber Wellington Aquifer	351630097190001			103
Garber Wellington Aquifer	351632097200601	5		136
Garber Wellington Aquifer	351632097200601	5		138
Garber Wellington Aquifer	351632097200601	11		139
Garber Wellington Aquifer	351632097200601	5		136
Garber Wellington Aquifer	351632097200601	5		131
Garber Wellington Aquifer	351632097200601	6		144
Garber Wellington Aquifer	351632097200601	6		156
Garber Wellington Aquifer	351632097200601	6		132
Garber Wellington Aquifer	351632097200601	4		125
Garber Wellington Aquifer	351632097200601	5		129
Garber Wellington Aquifer	351632097200601	5		137
Garber Wellington Aquifer	351632097200601	4		144
Garber Wellington Aquifer	351632097200601	4		155
Garber Wellington Aquifer	351632097200601	5		180
Garber Wellington Aquifer	351632097200601	5		144
Garber Wellington Aquifer	351643097285002			25
Garber Wellington Aquifer	351643097285003			6
Garber Wellington Aquifer	351643097285004			6
Garber Wellington Aquifer	351715097032501			10
Garber Wellington Aquifer	351729097221301	12		
Garber Wellington Aquifer	351729097221302	9		167
Garber Wellington Aquifer	351729097221302	7		215
Garber Wellington Aquifer	351729097221302	6		154
Garber Wellington Aquifer	351729097221302	7		163
Garber Wellington Aquifer	351729097221302	8		158
Garber Wellington Aquifer	351729097221302	7		163
Garber Wellington Aquifer	351729097221302	6		164
Garber Wellington Aquifer	351729097221302	7		128
Garber Wellington Aquifer	351729097221302	6		153
Garber Wellington Aquifer	351729097221302	6		173
Garber Wellington Aquifer	351729097221302	10		160
Garber Wellington Aquifer	351729097221302	6		155
Garber Wellington Aquifer	351729097221302	14		127
Garber Wellington Aquifer	351729097221302	8		137
Garber Wellington Aquifer	351729097221302	7		167
Garber Wellington Aquifer	351729097221302	9		170
Garber Wellington Aquifer	351729097221302	6		156
Garber Wellington Aquifer	351729097221302	11		17
Garber Wellington Aquifer	351817097155201	6		141
Garber Wellington Aquifer	351817097155201	6		112
Garber Wellington Aquifer	351817097155201	5		124
Garber Wellington Aquifer	351817097155201	6		107
Garber Wellington Aquifer	351817097155201	5		107

Water Analyses: Major Ions

Unit	Well ID	Bicarbonate (mg/L HCO3)	Hardness (mg/L as CaCO3)	Alkalinity (mg/L as CaCO3)
Garber Wellington Aquifer	351543097200601		216	
Garber Wellington Aquifer	351543097200601		152	
Garber Wellington Aquifer	351543097200601		297	
Garber Wellington Aquifer	351611097042001	93	76	
Garber Wellington Aquifer	351624097082401	334	274	
Garber Wellington Aquifer	351630097190001		171	
Garber Wellington Aquifer	351632097200601		226	
Garber Wellington Aquifer	351632097200601		230	
Garber Wellington Aquifer	351632097200601		231	
Garber Wellington Aquifer	351632097200601		226	
Garber Wellington Aquifer	351632097200601		219	
Garber Wellington Aquifer	351632097200601		240	
Garber Wellington Aquifer	351632097200601		260	
Garber Wellington Aquifer	351632097200601		220	
Garber Wellington Aquifer	351632097200601		208	
Garber Wellington Aquifer	351632097200601		215	
Garber Wellington Aquifer	351632097200601		229	
Garber Wellington Aquifer	351632097200601		241	
Garber Wellington Aquifer	351632097200601		259	
Garber Wellington Aquifer	351632097200601		300	
Garber Wellington Aquifer	351632097200601		241	
Garber Wellington Aquifer	351643097285002		41	
Garber Wellington Aquifer	351643097285003		10	
Garber Wellington Aquifer	351643097285004		10	
Garber Wellington Aquifer	351715097032501		16	
Garber Wellington Aquifer	351729097221301	349	286	
Garber Wellington Aquifer	351729097221302		279	
Garber Wellington Aquifer	351729097221302		359	
Garber Wellington Aquifer	351729097221302		257	214
Garber Wellington Aquifer	351729097221302		272	212
Garber Wellington Aquifer	351729097221302		264	210
Garber Wellington Aquifer	351729097221302		272	198
Garber Wellington Aquifer	351729097221302		274	
Garber Wellington Aquifer	351729097221302		213	
Garber Wellington Aquifer	351729097221302		256	
Garber Wellington Aquifer	351729097221302		288	
Garber Wellington Aquifer	351729097221302		267	
Garber Wellington Aquifer	351729097221302		258	
Garber Wellington Aquifer	351729097221302		212	
Garber Wellington Aquifer	351729097221302		229	
Garber Wellington Aquifer	351729097221302		278	
Garber Wellington Aquifer	351729097221302		284	
Garber Wellington Aquifer	351729097221302		260	
Garber Wellington Aquifer	351729097221302	298	272	
Garber Wellington Aquifer	351817097155201		236	
Garber Wellington Aquifer	351817097155201		187	
Garber Wellington Aquifer	351817097155201		206	
Garber Wellington Aquifer	351817097155201		179	
Garber Wellington Aquifer	351817097155201		178	

Water Analyses: Major Ions

Unit	Well ID	TDS @ 105 (mg/L)	TDS @ 180 (mg/L)	TDS, sum of constituents (mg/L)
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351611097042001			
Garber Wellington Aquifer	351624097082401			
Garber Wellington Aquifer	351630097190001	194		
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351643097285002			
Garber Wellington Aquifer	351643097285003			
Garber Wellington Aquifer	351643097285004			
Garber Wellington Aquifer	351715097032501	76		
Garber Wellington Aquifer	351729097221301			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			

Water Analyses: Major Ions

Unit	Well ID	Lab Conductivity (uS/cm @ 25 deg C)	Field Conductivity (uS/cm @ 25 deg C.)	HCO3, calculated from Alkalinity (mg/L)
Garber Wellington Aquifer	351543097200601		616	
Garber Wellington Aquifer	351543097200601		404	
Garber Wellington Aquifer	351543097200601		2590	
Garber Wellington Aquifer	351611097042001	359	346	
Garber Wellington Aquifer	351624097082401	526	517	
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601		499	
Garber Wellington Aquifer	351632097200601		501	
Garber Wellington Aquifer	351632097200601		485	
Garber Wellington Aquifer	351632097200601		486	
Garber Wellington Aquifer	351632097200601		477	
Garber Wellington Aquifer	351632097200601		511	
Garber Wellington Aquifer	351632097200601		474	
Garber Wellington Aquifer	351632097200601		477	
Garber Wellington Aquifer	351632097200601		465	
Garber Wellington Aquifer	351632097200601		466	
Garber Wellington Aquifer	351632097200601		496	
Garber Wellington Aquifer	351632097200601		745	
Garber Wellington Aquifer	351632097200601		846	
Garber Wellington Aquifer	351632097200601		921	
Garber Wellington Aquifer	351632097200601		1620	
Garber Wellington Aquifer	351643097285002		1766	
Garber Wellington Aquifer	351643097285003		883	
Garber Wellington Aquifer	351643097285004		1080	
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301	579	571	
Garber Wellington Aquifer	351729097221302		577	
Garber Wellington Aquifer	351729097221302		733	
Garber Wellington Aquifer	351729097221302		569	261
Garber Wellington Aquifer	351729097221302		565	258
Garber Wellington Aquifer	351729097221302		547	256
Garber Wellington Aquifer	351729097221302		552	241
Garber Wellington Aquifer	351729097221302		556	
Garber Wellington Aquifer	351729097221302		439	
Garber Wellington Aquifer	351729097221302		540	
Garber Wellington Aquifer	351729097221302		594	
Garber Wellington Aquifer	351729097221302		564	
Garber Wellington Aquifer	351729097221302		539	
Garber Wellington Aquifer	351729097221302		437	
Garber Wellington Aquifer	351729097221302		494	
Garber Wellington Aquifer	351729097221302		796	
Garber Wellington Aquifer	351729097221302		796	
Garber Wellington Aquifer	351729097221302		817	
Garber Wellington Aquifer	351729097221302	514	1250	
Garber Wellington Aquifer	351817097155201		557	
Garber Wellington Aquifer	351817097155201		773	
Garber Wellington Aquifer	351817097155201		435	
Garber Wellington Aquifer	351817097155201		391	
Garber Wellington Aquifer	351817097155201		411	

Water Analyses: Major Ions

Unit	Well ID	Calculated TDS at 180C (mg/l)	Calculated TDS (mg/l)	Calculated TDS from Lab Conductivity (mg/l)	Calculated TDS from Field Conductivity (mg/l)
Garber Wellington Aquifer	351543097200601	179	179		407
Garber Wellington Aquifer	351543097200601	117	117		267
Garber Wellington Aquifer	351543097200601	1203	1203		1709
Garber Wellington Aquifer	351611097042001	178	225	237	228
Garber Wellington Aquifer	351624097082401	294	464	347	341
Garber Wellington Aquifer	351630097190001	105	105		
Garber Wellington Aquifer	351632097200601	114	114		329
Garber Wellington Aquifer	351632097200601	115	115		331
Garber Wellington Aquifer	351632097200601	117	117		320
Garber Wellington Aquifer	351632097200601	110	110		321
Garber Wellington Aquifer	351632097200601	110	110		315
Garber Wellington Aquifer	351632097200601	114	114		337
Garber Wellington Aquifer	351632097200601	112	112		313
Garber Wellington Aquifer	351632097200601	113	113		315
Garber Wellington Aquifer	351632097200601	108	108		307
Garber Wellington Aquifer	351632097200601	114	114		308
Garber Wellington Aquifer	351632097200601	113	113		327
Garber Wellington Aquifer	351632097200601	241	241		492
Garber Wellington Aquifer	351632097200601	277	277		558
Garber Wellington Aquifer	351632097200601	320	320		608
Garber Wellington Aquifer	351632097200601	710	710		1069
Garber Wellington Aquifer	351643097285002	642	642		1166
Garber Wellington Aquifer	351643097285003	116	116		583
Garber Wellington Aquifer	351643097285004	87	87		713
Garber Wellington Aquifer	351715097032501	50	50		
Garber Wellington Aquifer	351729097221301	321	499	382	377
Garber Wellington Aquifer	351729097221302	172	172		381
Garber Wellington Aquifer	351729097221302	186	186		484
Garber Wellington Aquifer	351729097221302	280	413		376
Garber Wellington Aquifer	351729097221302	273	404		373
Garber Wellington Aquifer	351729097221302	274	404		361
Garber Wellington Aquifer	351729097221302	274	396		364
Garber Wellington Aquifer	351729097221302	163	163		367
Garber Wellington Aquifer	351729097221302	151	151		290
Garber Wellington Aquifer	351729097221302	146	146		356
Garber Wellington Aquifer	351729097221302	149	149		392
Garber Wellington Aquifer	351729097221302	159	159		372
Garber Wellington Aquifer	351729097221302	153	153		356
Garber Wellington Aquifer	351729097221302	142	142		288
Garber Wellington Aquifer	351729097221302	161	161		326
Garber Wellington Aquifer	351729097221302	272	272		525
Garber Wellington Aquifer	351729097221302	271	271		525
Garber Wellington Aquifer	351729097221302	632	632		539
Garber Wellington Aquifer	351729097221302	652	803	339	825
Garber Wellington Aquifer	351817097155201	174	174		368
Garber Wellington Aquifer	351817097155201	243	243		510
Garber Wellington Aquifer	351817097155201	113	113		287
Garber Wellington Aquifer	351817097155201	111	111		258
Garber Wellington Aquifer	351817097155201	101	101		271

Water Analyses: Major Ions

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351817097155201	7/29/1986	355	108.2
Garber Wellington Aquifer	351817097155201	7/29/1986	395	120.4
Garber Wellington Aquifer	351817097155201	7/29/1986	415	126.5
Garber Wellington Aquifer	351817097155201	7/29/1986	495	150.9
Garber Wellington Aquifer	351817097155201	7/29/1986	535	163.1
Garber Wellington Aquifer	351817097155201	7/29/1986	555	169.2
Garber Wellington Aquifer	351817097155201	7/29/1986	655	199.6
Garber Wellington Aquifer	351817097155201	7/29/1986	715	217.9
Garber Wellington Aquifer	351817097155201	10/7/1987		
Garber Wellington Aquifer	351858097124801	8/20/1986		
Garber Wellington Aquifer	352028097283201	10/17/1985		
Garber Wellington Aquifer	352043097282001	4/19/1988		
Garber Wellington Aquifer	352054097322101	10/24/1985		
Garber Wellington Aquifer	352123097282301	4/19/1988		
Garber Wellington Aquifer	352142097103501	6/17/1988	257.5	78.5
Garber Wellington Aquifer	352142097103501	6/20/1988	156.2	47.6
Garber Wellington Aquifer	352142097103501	6/21/1988	101	30.8
Garber Wellington Aquifer	352142097103501	6/23/1988	189	57.6
Garber Wellington Aquifer	352148097322101	10/24/1985		
Garber Wellington Aquifer	352148097332101	10/24/1985		
Garber Wellington Aquifer	352326097044801	6/2/1988		
Garber Wellington Aquifer	352353097273501	12/8/1982	152	46.3
Garber Wellington Aquifer	352353097273502	12/8/1982	645	196.6
Garber Wellington Aquifer	352353097273503	12/8/1982	778	237.1
Garber Wellington Aquifer	352515097370801	4/11/1988		
Garber Wellington Aquifer	352536097072501	8/18/1986		
Garber Wellington Aquifer	352550097055401	8/28/1987		
Garber Wellington Aquifer	352550097055401	4/18/1988		
Garber Wellington Aquifer	352704097220601	11/5/1980		
Garber Wellington Aquifer	352704097220601	4/16/1983		
Garber Wellington Aquifer	352704097220601	2/12/1985		
Garber Wellington Aquifer	352717097261601	10/24/1985		
Garber Wellington Aquifer	352748097251401	11/5/1980		
Garber Wellington Aquifer	352748097251401	4/16/1983		
Garber Wellington Aquifer	352748097251401	11/28/1984		
Garber Wellington Aquifer	352749097192301	8/11/1987		
Garber Wellington Aquifer	352749097192301	4/26/1988		
Wellington Formation	351212097045601	9/3/1987		
Wellington Formation	352327097040101	6/2/1988		
Wellington Formation	351433097004401	6/14/1988		
Wellington Formation	353236097072801	5/24/1988		
Wellington Formation	353909097100101	6/21/1988		
Wellington Formation	353931097103301	7/8/1988		
Wellington Formation	353947097111501	8/25/1987		
Wellington Formation	354008097190901	5/11/1988		
Wellington Formation	354203097114301	6/21/1988		
Wellington Formation	354341097042101	11/3/1989		
Wellington Formation	354706097051001	6/29/1988		
Wellington Formation	354748097050001	11/2/1989		
Wellington Formation	354936097052701	10/31/1989		
Wellington Formation	355039097041401	6/28/1988		
Wellington Formation	355206097090101	5/23/1988		
Wellington Formation	355444097071301	6/20/1988		

Water Analyses: Major Ions

Unit	Well ID	Field pH	Lab pH	Ca (mg/L)	Mg (mg/L)
Garber Wellington Aquifer	351817097155201	7.9		50	26
Garber Wellington Aquifer	351817097155201	8		44	24
Garber Wellington Aquifer	351817097155201	7.6		49	26
Garber Wellington Aquifer	351817097155201	7.9		51	26
Garber Wellington Aquifer	351817097155201	7.9		50	26
Garber Wellington Aquifer	351817097155201	7.7		53	27
Garber Wellington Aquifer	351817097155201	7.9		146	53
Garber Wellington Aquifer	351817097155201	8		155	56
Garber Wellington Aquifer	351817097155201	7.48	8.1	43	26
Garber Wellington Aquifer	351858097124801		6.3	22	10
Garber Wellington Aquifer	352028097283201		7.5	37	19
Garber Wellington Aquifer	352043097282001	9.03	8.9	14	12
Garber Wellington Aquifer	352054097322101		8.8	21	11
Garber Wellington Aquifer	352123097282301	8.8	8.7	11	10
Garber Wellington Aquifer	352142097103501	7.66	7.8	47	25
Garber Wellington Aquifer	352142097103501	7.67	7.6	45	24
Garber Wellington Aquifer	352142097103501	7.71	7.7	44	23
Garber Wellington Aquifer	352142097103501	7.8	7.7	42	22
Garber Wellington Aquifer	352148097322101		8	38	20
Garber Wellington Aquifer	352148097332101		7.9	32	16
Garber Wellington Aquifer	352326097044801	6.88	7.3	50	22
Garber Wellington Aquifer	352353097273501		11.8	87	45
Garber Wellington Aquifer	352353097273502		9.1	2	1
Garber Wellington Aquifer	352353097273503		7.9	19	10
Garber Wellington Aquifer	352515097370801	9.07	9	2	1
Garber Wellington Aquifer	352536097072501		5.2	15	9
Garber Wellington Aquifer	352550097055401	7.03	7.6	25	13
Garber Wellington Aquifer	352550097055401	6.95	7	33	17
Garber Wellington Aquifer	352704097220601		7.1	46	24
Garber Wellington Aquifer	352704097220601		7.6	41	22
Garber Wellington Aquifer	352704097220601		7.8	50	26
Garber Wellington Aquifer	352717097261601		7.5	56	29
Garber Wellington Aquifer	352748097251401		7.2	46	24
Garber Wellington Aquifer	352748097251401		7.6	42	22
Garber Wellington Aquifer	352748097251401		7.5	48	25
Garber Wellington Aquifer	352749097192301	7.61	7.7	44	21
Garber Wellington Aquifer	352749097192301	7.59	7.9	44	22
Wellington Formation	351212097045601	6.65	6.9	8	5
Wellington Formation	352327097040101	6	6.3	56	21
Wellington Formation	351433097004401	6.82	6.9	75	44
Wellington Formation	353236097072801	6.5	6.9	29	14
Wellington Formation	353909097100101	6.75	6.7	23	11
Wellington Formation	353931097103301			42	23
Wellington Formation	353947097111501	7.55	7.8	42	21
Wellington Formation	354008097190901	7.6	7.8	31	26
Wellington Formation	354203097114301	6.2	6.4	12	7
Wellington Formation	354341097042101	7.5	7.8	29	15
Wellington Formation	354706097051001	9	8.9	2	1
Wellington Formation	354748097050001	7.1	7.3	65	31
Wellington Formation	354936097052701	8.72	8.5	5	2
Wellington Formation	355039097041401	7.53	7.6	89	73
Wellington Formation	355206097090101	6.98	7.2	54	30
Wellington Formation	355444097071301	7.6	7.7	54	31

Water Analyses: Major Ions

Unit	Well ID	Na (mg/L)	K (mg/L)	Cl (mg/L)	SO4 (mg/L)
Garber Wellington Aquifer	351817097155201	9	2	9	10
Garber Wellington Aquifer	351817097155201	10	2	8	10
Garber Wellington Aquifer	351817097155201	9	2	8	11
Garber Wellington Aquifer	351817097155201	9	2	8	10
Garber Wellington Aquifer	351817097155201	5	2	8	10
Garber Wellington Aquifer	351817097155201	5	2	9	10
Garber Wellington Aquifer	351817097155201	1480	4	810	2200
Garber Wellington Aquifer	351817097155201	1520	4	848	2100
Garber Wellington Aquifer	351817097155201	12	0.3	14	4.8
Garber Wellington Aquifer	351858097124801	10		16	20
Garber Wellington Aquifer	352028097283201			10	20
Garber Wellington Aquifer	352043097282001	110	1.1	8.3	9.9
Garber Wellington Aquifer	352054097322101			37	20
Garber Wellington Aquifer	352123097282301	84	1.4	5.8	8.7
Garber Wellington Aquifer	352142097103501	9.9	2.2	9.3	6.9
Garber Wellington Aquifer	352142097103501	8.9	0.9	7.2	4.8
Garber Wellington Aquifer	352142097103501	10	1.4	5.8	4.2
Garber Wellington Aquifer	352142097103501	9.7	1.8	5.1	17
Garber Wellington Aquifer	352148097322101			83	33
Garber Wellington Aquifer	352148097332101			15	20
Garber Wellington Aquifer	352326097044801	49	1	35	36
Garber Wellington Aquifer	352353097273501			178	27
Garber Wellington Aquifer	352353097273502			75	20
Garber Wellington Aquifer	352353097273503			10	20
Garber Wellington Aquifer	352515097370801	150	0.5	5.9	26
Garber Wellington Aquifer	352536097072501	18		34	23
Garber Wellington Aquifer	352550097055401	97	1.2	69	26
Garber Wellington Aquifer	352550097055401	50	1.3	47	15
Garber Wellington Aquifer	352704097220601			5	10
Garber Wellington Aquifer	352704097220601			10	20
Garber Wellington Aquifer	352704097220601			10	20
Garber Wellington Aquifer	352717097261601			11	20
Garber Wellington Aquifer	352748097251401			3	10
Garber Wellington Aquifer	352748097251401			10	20
Garber Wellington Aquifer	352748097251401			10	20
Garber Wellington Aquifer	352749097192301	6	1.4	9.7	5.2
Garber Wellington Aquifer	352749097192301	5.8	1.4	9.6	5.9
Wellington Formation	351212097045601	65	2	25	22
Wellington Formation	352327097040101	42	15	77	42
Wellington Formation	351433097004401	17	1.1	19	18
Wellington Formation	353236097072801	17	0.8	50	25
Wellington Formation	353909097100101	6.6	0.7	5.1	13
Wellington Formation	353931097103301	8.4	0.7		
Wellington Formation	353947097111501	130	2.3	120	47
Wellington Formation	354008097190901	510	1.6	590	170
Wellington Formation	354203097114301	15	1.2	13	25
Wellington Formation	354341097042101	114		28	20
Wellington Formation	354706097051001	270	0.7	21	71
Wellington Formation	354748097050001	33		66	20
Wellington Formation	354936097052701	95		12	20
Wellington Formation	355039097041401	290	2.7	190	240
Wellington Formation	355206097090101	16	0.4	17	25
Wellington Formation	355444097071301	62	1	32	27

Water Analyses: Major Ions

Unit	Well ID	SiO2 (mg/L)	Na + K (mg/L)	Carbonate (mg/L CO3)
Garber Wellington Aquifer	351817097155201	7		139
Garber Wellington Aquifer	351817097155201	5		137
Garber Wellington Aquifer	351817097155201	5		125
Garber Wellington Aquifer	351817097155201	5		108
Garber Wellington Aquifer	351817097155201	5		101
Garber Wellington Aquifer	351817097155201	5		124
Garber Wellington Aquifer	351817097155201	4		103
Garber Wellington Aquifer	351817097155201	4		108
Garber Wellington Aquifer	351817097155201	9.2		
Garber Wellington Aquifer	351858097124801			58
Garber Wellington Aquifer	352028097283201			95
Garber Wellington Aquifer	352043097282001	12		26
Garber Wellington Aquifer	352054097322101			53
Garber Wellington Aquifer	352123097282301	13		14
Garber Wellington Aquifer	352142097103501	11		
Garber Wellington Aquifer	352142097103501	15		
Garber Wellington Aquifer	352142097103501	13		
Garber Wellington Aquifer	352142097103501	9.6		
Garber Wellington Aquifer	352148097322101			97
Garber Wellington Aquifer	352148097332101			81
Garber Wellington Aquifer	352326097044801	14		
Garber Wellington Aquifer	352353097273501			224
Garber Wellington Aquifer	352353097273502			6
Garber Wellington Aquifer	352353097273503			47
Garber Wellington Aquifer	352515097370801	11		24
Garber Wellington Aquifer	352536097072501			43
Garber Wellington Aquifer	352550097055401	12		
Garber Wellington Aquifer	352550097055401	16		
Garber Wellington Aquifer	352704097220601			117
Garber Wellington Aquifer	352704097220601			106
Garber Wellington Aquifer	352704097220601			127
Garber Wellington Aquifer	352717097261601			144
Garber Wellington Aquifer	352748097251401			118
Garber Wellington Aquifer	352748097251401			108
Garber Wellington Aquifer	352748097251401			122
Garber Wellington Aquifer	352749097192301	11		
Garber Wellington Aquifer	352749097192301	11		
Wellington Formation	351212097045601	22		
Wellington Formation	352327097040101	18		
Wellington Formation	351433097004401	20		
Wellington Formation	353236097072801	15		
Wellington Formation	353909097100101	23		
Wellington Formation	353931097103301			
Wellington Formation	353947097111501	15		
Wellington Formation	354008097190901	12		
Wellington Formation	354203097114301	15		
Wellington Formation	354341097042101			
Wellington Formation	354706097051001	9.8		36
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			7
Wellington Formation	355039097041401	14		
Wellington Formation	355206097090101	19		
Wellington Formation	355444097071301	19		

Water Analyses: Major Ions

Unit	Well ID	Bicarbonate (mg/L HCO3)	Hardness (mg/L as CaCO3)	Alkalinity (mg/L as CaCO3)
Garber Wellington Aquifer	351817097155201		232	
Garber Wellington Aquifer	351817097155201		228	
Garber Wellington Aquifer	351817097155201		208	
Garber Wellington Aquifer	351817097155201		180	
Garber Wellington Aquifer	351817097155201		168	
Garber Wellington Aquifer	351817097155201		207	
Garber Wellington Aquifer	351817097155201		172	
Garber Wellington Aquifer	351817097155201		180	
Garber Wellington Aquifer	351817097155201	259	212	
Garber Wellington Aquifer	351858097124801		97	
Garber Wellington Aquifer	352028097283201		158	
Garber Wellington Aquifer	352043097282001	309	294	
Garber Wellington Aquifer	352054097322101		88	
Garber Wellington Aquifer	352123097282301	261	238	
Garber Wellington Aquifer	352142097103501	261		
Garber Wellington Aquifer	352142097103501	259		
Garber Wellington Aquifer	352142097103501	256		
Garber Wellington Aquifer	352142097103501	242		
Garber Wellington Aquifer	352148097322101		162	
Garber Wellington Aquifer	352148097332101		135	
Garber Wellington Aquifer	352326097044801	256	210	
Garber Wellington Aquifer	352353097273501		373	
Garber Wellington Aquifer	352353097273502		10	
Garber Wellington Aquifer	352353097273503		79	
Garber Wellington Aquifer	352515097370801	312	296	
Garber Wellington Aquifer	352536097072501		72	
Garber Wellington Aquifer	352550097055401	234	192	
Garber Wellington Aquifer	352550097055401	210	172	
Garber Wellington Aquifer	352704097220601		195	
Garber Wellington Aquifer	352704097220601		177	
Garber Wellington Aquifer	352704097220601		212	
Garber Wellington Aquifer	352717097261601		240	
Garber Wellington Aquifer	352748097251401		197	
Garber Wellington Aquifer	352748097251401		180	
Garber Wellington Aquifer	352748097251401		203	
Garber Wellington Aquifer	352749097192301	229	188	
Garber Wellington Aquifer	352749097192301	229	188	
Wellington Formation	351212097045601	142	116	
Wellington Formation	352327097040101	61	50	
Wellington Formation	351433097004401	415	340	
Wellington Formation	353236097072801	90	74	
Wellington Formation	353909097100101	110	92	
Wellington Formation	353931097103301	215	176	
Wellington Formation	353947097111501	312	256	
Wellington Formation	354008097190901	342	280	
Wellington Formation	354203097114301	53	44	
Wellington Formation	354341097042101	456	374	
Wellington Formation	354706097051001	509	478	
Wellington Formation	354748097050001	273		
Wellington Formation	354936097052701	268	232	
Wellington Formation	355039097041401	464	380	
Wellington Formation	355206097090101	266	218	
Wellington Formation	355444097071301	387	317	

Water Analyses: Major Ions

Unit	Well ID	TDS @ 105 (mg/L)	TDS @ 180 (mg/L)	TDS, sum of constituents (mg/L)
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351858097124801	124		
Garber Wellington Aquifer	352028097283201			
Garber Wellington Aquifer	352043097282001			
Garber Wellington Aquifer	352054097322101			
Garber Wellington Aquifer	352123097282301			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352148097322101			
Garber Wellington Aquifer	352148097332101			
Garber Wellington Aquifer	352326097044801			
Garber Wellington Aquifer	352353097273501			
Garber Wellington Aquifer	352353097273502			
Garber Wellington Aquifer	352353097273503			
Garber Wellington Aquifer	352515097370801			
Garber Wellington Aquifer	352536097072501	151		
Garber Wellington Aquifer	352550097055401			
Garber Wellington Aquifer	352550097055401			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352717097261601			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352749097192301			
Garber Wellington Aquifer	352749097192301			
Wellington Formation	351212097045601			
Wellington Formation	352327097040101			
Wellington Formation	351433097004401			
Wellington Formation	353236097072801			
Wellington Formation	353909097100101			
Wellington Formation	353931097103301			
Wellington Formation	353947097111501			
Wellington Formation	354008097190901			
Wellington Formation	354203097114301			
Wellington Formation	354341097042101			
Wellington Formation	354706097051001			
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401			
Wellington Formation	355206097090101			
Wellington Formation	355444097071301			

Water Analyses: Major Ions

Unit	Well ID	Lab Conductivity (uS/cm @ 25 deg C)	Field Conductivity (uS/cm @ 25 deg C.)	HCO3, calculated from Alkalinity (mg/L)
Garber Wellington Aquifer	351817097155201		447	
Garber Wellington Aquifer	351817097155201		413	
Garber Wellington Aquifer	351817097155201		454	
Garber Wellington Aquifer	351817097155201		396	
Garber Wellington Aquifer	351817097155201		389	
Garber Wellington Aquifer	351817097155201		474	
Garber Wellington Aquifer	351817097155201		6860	
Garber Wellington Aquifer	351817097155201		7100	
Garber Wellington Aquifer	351817097155201	447	437	
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352028097283201		437	
Garber Wellington Aquifer	352043097282001	573	563	
Garber Wellington Aquifer	352054097322101		708	
Garber Wellington Aquifer	352123097282301	468	456	
Garber Wellington Aquifer	352142097103501	433	397	
Garber Wellington Aquifer	352142097103501	410	402	
Garber Wellington Aquifer	352142097103501	402	413	
Garber Wellington Aquifer	352142097103501	388	383	
Garber Wellington Aquifer	352148097322101		708	
Garber Wellington Aquifer	352148097332101		437	
Garber Wellington Aquifer	352326097044801	635	628	
Garber Wellington Aquifer	352353097273501		1984	
Garber Wellington Aquifer	352353097273502		1038	
Garber Wellington Aquifer	352353097273503		288	
Garber Wellington Aquifer	352515097370801	633	619	
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401	664	640	
Garber Wellington Aquifer	352550097055401	482	635	
Garber Wellington Aquifer	352704097220601		365	
Garber Wellington Aquifer	352704097220601		417	
Garber Wellington Aquifer	352704097220601		369	
Garber Wellington Aquifer	352717097261601		413	
Garber Wellington Aquifer	352748097251401		565	
Garber Wellington Aquifer	352748097251401		394	
Garber Wellington Aquifer	352748097251401		329	
Garber Wellington Aquifer	352749097192301	387	380	
Garber Wellington Aquifer	352749097192301	390	381	
Wellington Formation	351212097045601	373	361	
Wellington Formation	352327097040101	742	736	
Wellington Formation	351433097004401	704	706	
Wellington Formation	353236097072801	353	349	
Wellington Formation	353909097100101	222	208	
Wellington Formation	353931097103301			
Wellington Formation	353947097111501	917	911	
Wellington Formation	354008097190901	2750	2700	
Wellington Formation	354203097114301	193	190	
Wellington Formation	354341097042101		759	
Wellington Formation	354706097051001	908	1090	
Wellington Formation	354748097050001		776	
Wellington Formation	354936097052701		453	
Wellington Formation	355039097041401	2290	2350	
Wellington Formation	355206097090101	529	528	
Wellington Formation	355444097071301	725	696	

Water Analyses: Major Ions

Unit	Well ID	Calculated TDS at 180C (mg/l)	Calculated TDS (mg/l)	Calculated TDS from Lab Conductivity (mg/l)	Calculated TDS from Field Conductivity (mg/l)
Garber Wellington Aquifer	351817097155201	113	113		295
Garber Wellington Aquifer	351817097155201	103	103		273
Garber Wellington Aquifer	351817097155201	110	110		300
Garber Wellington Aquifer	351817097155201	111	111		261
Garber Wellington Aquifer	351817097155201	106	106		257
Garber Wellington Aquifer	351817097155201	111	111		313
Garber Wellington Aquifer	351817097155201	4697	4697		4528
Garber Wellington Aquifer	351817097155201	4687	4687		4686
Garber Wellington Aquifer	351817097155201	237	368	295	288
Garber Wellington Aquifer	351858097124801	78	78		
Garber Wellington Aquifer	352028097283201	86	86		288
Garber Wellington Aquifer	352043097282001	319	476	378	372
Garber Wellington Aquifer	352054097322101	88	88		467
Garber Wellington Aquifer	352123097282301	262	394	309	301
Garber Wellington Aquifer	352142097103501	240	372	286	262
Garber Wellington Aquifer	352142097103501	233	365	271	265
Garber Wellington Aquifer	352142097103501	227	357	265	273
Garber Wellington Aquifer	352142097103501	226	349	256	253
Garber Wellington Aquifer	352148097322101	174	174		467
Garber Wellington Aquifer	352148097332101	83	83		288
Garber Wellington Aquifer	352326097044801	333	463	419	414
Garber Wellington Aquifer	352353097273501	338	338		1309
Garber Wellington Aquifer	352353097273502	99	99		685
Garber Wellington Aquifer	352353097273503	58	58		190
Garber Wellington Aquifer	352515097370801	350	508	418	409
Garber Wellington Aquifer	352536097072501	99	99		
Garber Wellington Aquifer	352550097055401	358	477	438	422
Garber Wellington Aquifer	352550097055401	283	389	318	419
Garber Wellington Aquifer	352704097220601	84	84		241
Garber Wellington Aquifer	352704097220601	93	93		275
Garber Wellington Aquifer	352704097220601	105	105		244
Garber Wellington Aquifer	352717097261601	116	116		273
Garber Wellington Aquifer	352748097251401	83	83		373
Garber Wellington Aquifer	352748097251401	94	94		260
Garber Wellington Aquifer	352748097251401	102	102		217
Garber Wellington Aquifer	352749097192301	211	327	255	251
Garber Wellington Aquifer	352749097192301	212	329	257	251
Wellington Formation	351212097045601	219	291	246	238
Wellington Formation	352327097040101	301	332	490	486
Wellington Formation	351433097004401	398	609	465	466
Wellington Formation	353236097072801	195	241	233	230
Wellington Formation	353909097100101	136	192	147	137
Wellington Formation	353931097103301	180	289		
Wellington Formation	353947097111501	531	689	605	601
Wellington Formation	354008097190901	1509	1683	1815	1782
Wellington Formation	354203097114301	114	141	127	125
Wellington Formation	354341097042101	430	662		501
Wellington Formation	354706097051001	625	884	599	719
Wellington Formation	354748097050001	349	488		512
Wellington Formation	354936097052701	266	402		299
Wellington Formation	355039097041401	1127	1363	1511	1551
Wellington Formation	355206097090101	292	427	349	348
Wellington Formation	355444097071301	416	613	479	459

Appendix B

Water Analysis Data Reliability Checks

Water Analyses: Reliability Checks

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	350001097130101	7/5/1988		
Garber Sandstone	350003097090101	7/5/1988		
Garber Sandstone	351027097131401	6/22/1988		
Garber Sandstone	351106097155201	10/2/1987		
Garber Sandstone	351106097155202	9/23/1986	155	47.2
Garber Sandstone	351106097155202	9/23/1986	225	68.6
Garber Sandstone	351106097155202	9/23/1986	265	80.8
Garber Sandstone	351106097155202	9/23/1986	346	105.5
Garber Sandstone	351106097155202	9/11/1987		
Garber Sandstone	351123097175601	8/20/1986		
Garber Sandstone	351314097254701	7/31/1987		
Garber Sandstone	351315097254201	7/20/1989	330.1	100.6
Garber Sandstone	351315097254201	8/8/1989	407.5	124.2
Garber Sandstone	351315097254201	9/20/1989	480	146.3
Garber Sandstone	351315097254301	2/17/1989	262.7	80.1
Garber Sandstone	351331097255501	3/8/1943		
Garber Sandstone	351353097264501	10/17/1985		
Garber Sandstone	351409097231801	7/29/1987		
Garber Sandstone	351538097283401	4/20/1983		
Garber Sandstone	351538097283401	12/7/1984		
Garber Sandstone	351617097072801	6/7/1988		
Garber Sandstone	351638097175301	6/23/1988		
Garber Sandstone	351648097285101	7/31/1987		
Garber Sandstone	351651097185901	7/11/1988		
Garber Sandstone	351723097274301	8/21/1986		
Garber Sandstone	351807097292101	10/14/1985		
Garber Sandstone	351823097215701	7/12/1988		
Garber Sandstone	351902097251201	8/20/1986		
Garber Sandstone	351912097193601	6/1/1988		
Garber Sandstone	351926097293001	10/17/1985		
Garber Sandstone	351926097293001	8/4/1987		
Garber Sandstone	351939097302301	10/17/1985		
Garber Sandstone	352145097345901	8/6/1987		
Garber Sandstone	352314097185101	8/21/1986		
Garber Sandstone	352330097264301	4/16/1943		
Garber Sandstone	352345097331901	8/21/1986		
Garber Sandstone	352433097262401	11/18/1988		
Garber Sandstone	352434097223101	10/17/1951		
Garber Sandstone	352448097222901	10/10/1951		
Garber Sandstone	352450097241701	10/10/1951		
Garber Sandstone	352518097270601	8/10/1987		
Garber Sandstone	352519097222501	4/26/1988		
Garber Sandstone	352520097280601	11/10/1988		
Garber Sandstone	352531097262101	11/18/1988		
Garber Sandstone	352535097224701	10/17/1951		
Garber Sandstone	352535097303301	11/30/1988	515	157.0
Garber Sandstone	352605097375701	8/6/1987		
Garber Sandstone	352614097231401	10/10/1951		
Garber Sandstone	352622097103401	7/8/1988		
Garber Sandstone	352631097313101	11/14/1988		
Garber Sandstone	352639097083401	6/22/1988		
Garber Sandstone	352703097302401	2/6/1986	148	45.1
Garber Sandstone	352703097302401	2/6/1986	155	47.2

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (mmol/l)	Mg2+ (mmol/l)	Na+ (mmol/l)	K+ (mmol/l)
Garber Sandstone	350001097130101	0.95	0.70	0.95	0.02
Garber Sandstone	350003097090101	0.45	0.37	0.45	0.01
Garber Sandstone	351027097131401	1.52	1.28	0.27	0.00
Garber Sandstone	351106097155201	0.90	0.90	13.98	0.19
Garber Sandstone	351106097155202	0.47	0.37	7.36	0.08
Garber Sandstone	351106097155202	0.95	0.78	5.96	0.08
Garber Sandstone	351106097155202	0.45	0.33	9.83	0.12
Garber Sandstone	351106097155202	1.20	0.70	20.57	0.08
Garber Sandstone	351106097155202	0.72	0.66	1.85	0.13
Garber Sandstone	351123097175601	1.50	1.32	0.41	
Garber Sandstone	351314097254701	0.04	0.03	9.87	0.03
Garber Sandstone	351315097254201	0.07	0.05	8.64	0.04
Garber Sandstone	351315097254201	0.05	0.02	7.40	0.02
Garber Sandstone	351315097254201	0.04	0.02	6.17	0.01
Garber Sandstone	351315097254301	0.06	0.04	5.76	0.05
Garber Sandstone	351331097255501	0.04	0.03	7.82	
Garber Sandstone	351353097264501	0.70	0.60		
Garber Sandstone	351409097231801	0.19	0.24	3.74	0.06
Garber Sandstone	351538097283401	0.06	0.05		
Garber Sandstone	351538097283401	0.22	0.19		
Garber Sandstone	351617097072801	1.42	1.36	0.53	0.05
Garber Sandstone	351638097175301	0.82	0.74	0.31	0.03
Garber Sandstone	351648097285101	0.03	0.02	6.99	0.02
Garber Sandstone	351651097185901	1.12	1.03	0.21	0.03
Garber Sandstone	351723097274301	0.15	0.12	7.61	
Garber Sandstone	351807097292101	1.22	1.04		
Garber Sandstone	351823097215701	1.77	1.56	0.49	0.04
Garber Sandstone	351902097251201	1.77	2.30	2.80	
Garber Sandstone	351912097193601	1.80	1.48	0.41	0.04
Garber Sandstone	351926097293001	0.42	0.36		
Garber Sandstone	351926097293001	0.35	0.53	4.11	0.05
Garber Sandstone	351939097302301	0.91	0.78		
Garber Sandstone	352145097345901	0.04	0.04	5.76	0.02
Garber Sandstone	352314097185101	0.02	0.04	4.98	
Garber Sandstone	352330097264301	1.25	1.23	1.28	
Garber Sandstone	352345097331901	0.85	1.03	1.93	
Garber Sandstone	352433097262401	2.74	2.34	2.14	0.03
Garber Sandstone	352434097223101	1.20	0.90	0.26	0.06
Garber Sandstone	352448097222901	1.22	0.90	0.29	0.06
Garber Sandstone	352450097241701	0.24	0.30	2.39	0.07
Garber Sandstone	352518097270601	1.20	1.28	0.66	0.10
Garber Sandstone	352519097222501	0.97	0.74	1.85	0.05
Garber Sandstone	352520097280601	1.12	1.07	0.49	0.06
Garber Sandstone	352531097262101	9.41	8.80	20.44	0.07
Garber Sandstone	352535097224701	1.22	0.90	0.37	0.06
Garber Sandstone	352535097303301	8.83	6.62	16.29	0.08
Garber Sandstone	352605097375701	0.11	0.07	6.99	0.02
Garber Sandstone	352614097231401	1.05	0.86	0.37	0.06
Garber Sandstone	352622097103401	0.72	0.49	0.66	0.07
Garber Sandstone	352631097313101	2.74	1.77	2.26	0.06
Garber Sandstone	352639097083401	0.77	0.58	0.36	0.05
Garber Sandstone	352703097302401	9.93	8.50		
Garber Sandstone	352703097302401	2.67	2.29		

Water Analyses: Reliability Checks

Unit	Well ID	Cl- (mmol/l)	SO42- (mmol/l)	SiO2 (mmol/l)	HCO3- (mmol/l)
Garber Sandstone	350001097130101	0.86	0.90	0.99	7.61
Garber Sandstone	350003097090101	0.53	0.58	1.23	3.62
Garber Sandstone	351027097131401	0.39	0.27	0.70	13.33
Garber Sandstone	351106097155201	18.51	2.96	0.86	9.54
Garber Sandstone	351106097155202	4.07	1.81	0.21	11.19
Garber Sandstone	351106097155202	4.11	3.04	0.16	11.19
Garber Sandstone	351106097155202	4.94	2.43	0.33	11.19
Garber Sandstone	351106097155202	18.10	11.39	0.16	11.19
Garber Sandstone	351106097155202	0.20	0.45	0.45	11.19
Garber Sandstone	351123097175601	0.58	0.82		
Garber Sandstone	351314097254701	0.49	3.41	0.36	17.36
Garber Sandstone	351315097254201	0.58	3.13	0.37	15.34
Garber Sandstone	351315097254201	0.28	1.03	0.26	13.24
Garber Sandstone	351315097254201	0.26	0.70	0.28	11.64
Garber Sandstone	351315097254301	0.66	1.81	0.29	10.53
Garber Sandstone	351331097255501	0.62	1.81		13.33
Garber Sandstone	351353097264501	0.41	0.82		
Garber Sandstone	351409097231801	0.12	0.41	0.45	10.98
Garber Sandstone	351538097283401	0.41	0.82		
Garber Sandstone	351538097283401	0.41	0.82		
Garber Sandstone	351617097072801	0.62	0.74	0.62	13.61
Garber Sandstone	351638097175301	0.28	0.25	0.70	7.40
Garber Sandstone	351648097285101	0.45	1.52	0.41	12.96
Garber Sandstone	351651097185901	0.29	0.27	0.58	10.32
Garber Sandstone	351723097274301	1.19	3.91		
Garber Sandstone	351807097292101	4.77	1.19		
Garber Sandstone	351823097215701	0.82	0.32	0.70	16.37
Garber Sandstone	351902097251201	0.82	0.82		
Garber Sandstone	351912097193601	0.49	0.78	0.66	15.96
Garber Sandstone	351926097293001	0.41	0.82		
Garber Sandstone	351926097293001	0.30	0.53	0.53	13.49
Garber Sandstone	351939097302301	0.41	0.82		
Garber Sandstone	352145097345901	0.26	0.58	0.45	12.34
Garber Sandstone	352314097185101	0.49	0.82		
Garber Sandstone	352330097264301	0.70	0.78		11.68
Garber Sandstone	352345097331901	0.86	0.82		
Garber Sandstone	352433097262401	6.99	0.28	0.74	15.96
Garber Sandstone	352434097223101	0.39	0.27	0.45	10.28
Garber Sandstone	352448097222901	0.37	0.28	0.45	10.49
Garber Sandstone	352450097241701	0.24	0.28	0.41	8.39
Garber Sandstone	352518097270601	1.65	0.27	0.62	10.74
Garber Sandstone	352519097222501	0.74	0.45	0.49	11.35
Garber Sandstone	352520097280601	0.23	0.27	0.62	10.65
Garber Sandstone	352531097262101	74.86	0.49	0.74	13.45
Garber Sandstone	352535097224701	0.34	0.30	0.49	10.74
Garber Sandstone	352535097303301	62.11	0.58	0.95	15.55
Garber Sandstone	352605097375701	0.53	3.04	0.49	14.07
Garber Sandstone	352614097231401	0.32	0.28	0.41	9.75
Garber Sandstone	352622097103401	1.19	1.28	0.66	9.75
Garber Sandstone	352631097313101	5.76	0.70	1.03	15.88
Garber Sandstone	352639097083401	0.35	0.23	0.62	6.54
Garber Sandstone	352703097302401	75.27	3.13		
Garber Sandstone	352703097302401	23.86	0.90		

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (meq/l)	Mg2+ (meq/l)	Na+ (meq/l)	K+ (meq/l)	Cl- (meq/l)
Garber Sandstone	350001097130101	1.90	1.40	0.95	0.02	0.86
Garber Sandstone	350003097090101	0.90	0.73	0.45	0.01	0.53
Garber Sandstone	351027097131401	3.04	2.55	0.27	0.00	0.39
Garber Sandstone	351106097155201	1.80	1.81	13.98	0.19	18.51
Garber Sandstone	351106097155202	0.95	0.74	7.36	0.08	4.07
Garber Sandstone	351106097155202	1.90	1.56	5.96	0.08	4.11
Garber Sandstone	351106097155202	0.90	0.66	9.83	0.12	4.94
Garber Sandstone	351106097155202	2.40	1.40	20.57	0.08	18.10
Garber Sandstone	351106097155202	1.45	1.32	1.85	0.13	0.20
Garber Sandstone	351123097175601	2.99	2.63	0.41		0.58
Garber Sandstone	351314097254701	0.08	0.06	9.87	0.03	0.49
Garber Sandstone	351315097254201	0.14	0.10	8.64	0.04	0.58
Garber Sandstone	351315097254201	0.11	0.05	7.40	0.02	0.28
Garber Sandstone	351315097254201	0.07	0.05	6.17	0.01	0.26
Garber Sandstone	351315097254301	0.12	0.08	5.76	0.05	0.66
Garber Sandstone	351331097255501	0.07	0.06	7.82		0.62
Garber Sandstone	351353097264501	1.40	1.20			0.41
Garber Sandstone	351409097231801	0.37	0.49	3.74	0.06	0.12
Garber Sandstone	351538097283401	0.12	0.10			0.41
Garber Sandstone	351538097283401	0.44	0.38			0.41
Garber Sandstone	351617097072801	2.84	2.71	0.53	0.05	0.62
Garber Sandstone	351638097175301	1.65	1.48	0.31	0.03	0.28
Garber Sandstone	351648097285101	0.06	0.04	6.99	0.02	0.45
Garber Sandstone	351651097185901	2.25	2.06	0.21	0.03	0.29
Garber Sandstone	351723097274301	0.30	0.25	7.61		1.19
Garber Sandstone	351807097292101	2.43	2.08			4.77
Garber Sandstone	351823097215701	3.54	3.13	0.49	0.04	0.82
Garber Sandstone	351902097251201	3.54	4.61	2.80		0.82
Garber Sandstone	351912097193601	3.59	2.96	0.41	0.04	0.49
Garber Sandstone	351926097293001	0.84	0.72			0.41
Garber Sandstone	351926097293001	0.70	1.07	4.11	0.05	0.30
Garber Sandstone	351939097302301	1.82	1.56			0.41
Garber Sandstone	352145097345901	0.08	0.07	5.76	0.02	0.26
Garber Sandstone	352314097185101	0.05	0.08	4.98		0.49
Garber Sandstone	352330097264301	2.50	2.47	1.28		0.70
Garber Sandstone	352345097331901	1.70	2.06	1.93		0.86
Garber Sandstone	352433097262401	5.49	4.69	2.14	0.03	6.99
Garber Sandstone	352434097223101	2.40	1.81	0.26	0.06	0.39
Garber Sandstone	352448097222901	2.45	1.81	0.29	0.06	0.37
Garber Sandstone	352450097241701	0.48	0.60	2.39	0.07	0.24
Garber Sandstone	352518097270601	2.40	2.55	0.66	0.10	1.65
Garber Sandstone	352519097222501	1.95	1.48	1.85	0.05	0.74
Garber Sandstone	352520097280601	2.25	2.14	0.49	0.06	0.23
Garber Sandstone	352531097262101	18.81	17.60	20.44	0.07	74.86
Garber Sandstone	352535097224701	2.45	1.81	0.37	0.06	0.34
Garber Sandstone	352535097303301	17.67	13.24	16.29	0.08	62.11
Garber Sandstone	352605097375701	0.23	0.14	6.99	0.02	0.53
Garber Sandstone	352614097231401	2.10	1.73	0.37	0.06	0.32
Garber Sandstone	352622097103401	1.45	0.99	0.66	0.07	1.19
Garber Sandstone	352631097313101	5.49	3.54	2.26	0.06	5.76
Garber Sandstone	352639097083401	1.55	1.15	0.36	0.05	0.35
Garber Sandstone	352703097302401	19.86	16.99			75.27
Garber Sandstone	352703097302401	5.34	4.57			23.86

Water Analyses: Reliability Checks

Unit	Well ID	SO42- (meq/l)	HCO3- (meq/l)	Anion - Cation Balance (< 5%)	Hardness (< 5%)
Garber Sandstone	350001097130101	1.81	7.61	41.40%	8.48%
Garber Sandstone	350003097090101	1.15	3.62	43.38%	13.32%
Garber Sandstone	351027097131401	0.53	13.33	41.66%	5.25%
Garber Sandstone	351106097155201	5.92	9.54	31.28%	14.06%
Garber Sandstone	351106097155202	3.62	11.19	34.79%	68.11%
Garber Sandstone	351106097155202	6.09	11.19	38.46%	29.34%
Garber Sandstone	351106097155202	4.85	11.19	29.14%	72.96%
Garber Sandstone	351106097155202	22.79	11.19	36.11%	25.84%
Garber Sandstone	351106097155202	0.90	11.19	44.33%	37.99%
Garber Sandstone	351123097175601	1.65		46.21%	0.15%
Garber Sandstone	351314097254701	6.83	17.36	42.14%	98.27%
Garber Sandstone	351315097254201	6.25	15.34	42.61%	
Garber Sandstone	351315097254201	2.06	13.24	34.50%	
Garber Sandstone	351315097254201	1.40	11.64	35.71%	
Garber Sandstone	351315097254301	3.62	10.53	42.23%	
Garber Sandstone	351331097255501	3.62	13.33	37.71%	8.56%
Garber Sandstone	351353097264501	1.65		11.73%	8.56%
Garber Sandstone	351409097231801	0.82	10.98	43.81%	80.80%
Garber Sandstone	351538097283401	1.65		80.92%	8.56%
Garber Sandstone	351538097283401	1.65		42.77%	8.56%
Garber Sandstone	351617097072801	1.48	13.61	43.81%	0.80%
Garber Sandstone	351638097175301	0.49	7.40	40.45%	5.75%
Garber Sandstone	351648097285101	3.04	12.96	39.64%	98.41%
Garber Sandstone	351651097185901	0.53	10.32	42.07%	4.51%
Garber Sandstone	351723097274301	7.82		4.97%	5.13%
Garber Sandstone	351807097292101	2.39		22.67%	8.56%
Garber Sandstone	351823097215701	0.63	16.37	42.44%	2.38%
Garber Sandstone	351902097251201	1.65		63.21%	0.52%
Garber Sandstone	351912097193601	1.56	15.96	44.00%	3.15%
Garber Sandstone	351926097293001	1.65		13.67%	8.56%
Garber Sandstone	351926097293001	1.07	13.49	42.92%	70.01%
Garber Sandstone	351939097302301	1.65		24.40%	8.56%
Garber Sandstone	352145097345901	1.15	12.34	39.73%	97.24%
Garber Sandstone	352314097185101	1.65		40.98%	33.86%
Garber Sandstone	352330097264301	1.56	11.68	38.18%	5.49%
Garber Sandstone	352345097331901	1.65		38.77%	3.68%
Garber Sandstone	352433097262401	0.57	15.96	31.15%	60.18%
Garber Sandstone	352434097223101	0.53	10.28	42.55%	2.70%
Garber Sandstone	352448097222901	0.56	10.49	42.56%	0.08%
Garber Sandstone	352450097241701	0.56	8.39	44.48%	67.04%
Garber Sandstone	352518097270601	0.53	10.74	38.74%	15.65%
Garber Sandstone	352519097222501	0.90	11.35	41.89%	24.12%
Garber Sandstone	352520097280601	0.53	10.65	39.65%	3.50%
Garber Sandstone	352531097262101	0.99	13.45	22.14%	580.03%
Garber Sandstone	352535097224701	0.61	10.74	42.77%	0.08%
Garber Sandstone	352535097303301	1.15	15.55	25.00%	398.98%
Garber Sandstone	352605097375701	6.09	14.07	47.40%	94.07%
Garber Sandstone	352614097231401	0.55	9.75	42.79%	2.73%
Garber Sandstone	352622097103401	2.55	9.75	62.06%	38.07%
Garber Sandstone	352631097313101	1.40	15.88	33.99%	42.95%
Garber Sandstone	352639097083401	0.45	6.54	40.49%	3.89%
Garber Sandstone	352703097302401	6.25		37.73%	8.56%
Garber Sandstone	352703097302401	1.81		44.27%	8.56%

Water Analyses: Reliability Checks

Unit	Well ID	TDS (< 5%)	TDS180 (< 5%)	TDS (entered) vs. Cond. (<.55 & >.75)
Garber Sandstone	350001097130101			
Garber Sandstone	350003097090101			
Garber Sandstone	351027097131401			
Garber Sandstone	351106097155201			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351123097175601	51.08%		
Garber Sandstone	351314097254701			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254201			
Garber Sandstone	351315097254301			
Garber Sandstone	351331097255501			
Garber Sandstone	351353097264501			
Garber Sandstone	351409097231801			
Garber Sandstone	351538097283401			
Garber Sandstone	351538097283401			
Garber Sandstone	351617097072801			
Garber Sandstone	351638097175301			
Garber Sandstone	351648097285101			
Garber Sandstone	351651097185901			
Garber Sandstone	351723097274301	33.05%		
Garber Sandstone	351807097292101			
Garber Sandstone	351823097215701			
Garber Sandstone	351902097251201	53.00%		
Garber Sandstone	351912097193601			
Garber Sandstone	351926097293001			
Garber Sandstone	351926097293001			
Garber Sandstone	351939097302301			
Garber Sandstone	352145097345901			
Garber Sandstone	352314097185101	43.01%		
Garber Sandstone	352330097264301		8.12%	
Garber Sandstone	352345097331901	51.64%		
Garber Sandstone	352433097262401			
Garber Sandstone	352434097223101		0.63%	
Garber Sandstone	352448097222901		0.60%	
Garber Sandstone	352450097241701		0.29%	
Garber Sandstone	352518097270601			
Garber Sandstone	352519097222501			
Garber Sandstone	352520097280601			
Garber Sandstone	352531097262101			
Garber Sandstone	352535097224701		37.00%	
Garber Sandstone	352535097303301			
Garber Sandstone	352605097375701			
Garber Sandstone	352614097231401		10.33%	
Garber Sandstone	352622097103401			
Garber Sandstone	352631097313101			
Garber Sandstone	352639097083401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			

Water Analyses: Reliability Checks

Unit	Well ID	TDS (calc.) vs. Cond. (<.55 & >.75)	Cond. Vs. sum meq cations (<90 & >110)	K+ / (Na+ + K+) (< 20%)
Garber Sandstone	350001097130101	0.79	99	2.13%
Garber Sandstone	350003097090101	0.85	103	2.65%
Garber Sandstone	351027097131401	0.89	87	1.49%
Garber Sandstone	351106097155201	0.60	110	1.36%
Garber Sandstone	351106097155202	0.64	107	1.10%
Garber Sandstone	351106097155202	0.66	104	1.36%
Garber Sandstone	351106097155202	0.65	97	1.24%
Garber Sandstone	351106097155202	0.60	107	0.40%
Garber Sandstone	351106097155202	0.94	88	6.44%
Garber Sandstone	351123097175601			
Garber Sandstone	351314097254701	0.84	91	0.29%
Garber Sandstone	351315097254201	0.80	96	0.47%
Garber Sandstone	351315097254201	0.74	97	0.33%
Garber Sandstone	351315097254201	0.78	95	0.13%
Garber Sandstone	351315097254301	0.84	93	0.85%
Garber Sandstone	351331097255501	0.77	94	
Garber Sandstone	351353097264501	0.17	163	
Garber Sandstone	351409097231801	0.93	91	1.52%
Garber Sandstone	351538097283401	0.05	3024	
Garber Sandstone	351538097283401	0.08	624	
Garber Sandstone	351617097072801	0.84	93	7.80%
Garber Sandstone	351638097175301	0.87	89	8.43%
Garber Sandstone	351648097285101	0.81	95	0.29%
Garber Sandstone	351651097185901	0.86	90	13.56%
Garber Sandstone	351723097274301			
Garber Sandstone	351807097292101	0.49	99	
Garber Sandstone	351823097215701	0.89	88	7.69%
Garber Sandstone	351902097251201			
Garber Sandstone	351912097193601	0.91	86	9.09%
Garber Sandstone	351926097293001	0.10	355	
Garber Sandstone	351926097293001	0.87	95	1.28%
Garber Sandstone	351939097302301	0.18	143	
Garber Sandstone	352145097345901	0.84	95	0.28%
Garber Sandstone	352314097185101			
Garber Sandstone	352330097264301	0.79	88	
Garber Sandstone	352345097331901			
Garber Sandstone	352433097262401	0.67	96	1.33%
Garber Sandstone	352434097223101	0.88	89	18.42%
Garber Sandstone	352448097222901	0.88	89	16.67%
Garber Sandstone	352450097241701	0.90	95	2.68%
Garber Sandstone	352518097270601	0.79	93	13.04%
Garber Sandstone	352519097222501	0.85	93	2.39%
Garber Sandstone	352520097280601	0.91	83	10.45%
Garber Sandstone	352531097262101	0.53	108	0.32%
Garber Sandstone	352535097224701	1.31	90	14.42%
Garber Sandstone	352535097303301	0.56	110	0.50%
Garber Sandstone	352605097375701	0.83	101	0.29%
Garber Sandstone	352614097231401	1.00	90	13.33%
Garber Sandstone	352622097103401	1.11	106	9.09%
Garber Sandstone	352631097313101	0.72	95	2.48%
Garber Sandstone	352639097083401	0.89	88	12.00%
Garber Sandstone	352703097302401	0.43	157	
Garber Sandstone	352703097302401	0.39	197	

Water Analyses: Reliability Checks

Unit	Well ID	Mg2+ / (Ca2+ + Mg2+) (< 40%)	Ca2+ / (Ca2+ + SO42-) (> 50%)	Na+ / (Na+ + Cl-) (> 50%)
Garber Sandstone	350001097130101	30.91%	63.33%	52.27%
Garber Sandstone	350003097090101	33.09%	56.25%	45.83%
Garber Sandstone	351027097131401	33.70%	90.37%	40.99%
Garber Sandstone	351106097155201	37.93%	33.33%	43.04%
Garber Sandstone	351106097155202	32.14%	30.16%	64.39%
Garber Sandstone	351106097155202	33.33%	33.93%	59.18%
Garber Sandstone	351106097155202	30.77%	23.38%	66.57%
Garber Sandstone	351106097155202	26.15%	14.77%	53.19%
Garber Sandstone	351106097155202	35.56%	72.50%	90.18%
Garber Sandstone	351123097175601	34.78%	75.00%	41.67%
Garber Sandstone	351314097254701	30.04%	2.01%	95.24%
Garber Sandstone	351315097254201	29.27%	3.68%	93.75%
Garber Sandstone	351315097254201	21.43%	8.09%	96.36%
Garber Sandstone	351315097254201	26.83%	8.11%	96.03%
Garber Sandstone	351315097254301	28.57%	5.38%	89.74%
Garber Sandstone	351331097255501	34.16%	3.10%	92.68%
Garber Sandstone	351353097264501	34.16%	58.43%	
Garber Sandstone	351409097231801	44.03%	42.86%	96.81%
Garber Sandstone	351538097283401	34.16%	10.49%	
Garber Sandstone	351538097283401	34.16%	30.80%	
Garber Sandstone	351617097072801	36.67%	76.00%	46.43%
Garber Sandstone	351638097175301	35.29%	84.62%	52.41%
Garber Sandstone	351648097285101	28.57%	3.14%	93.92%
Garber Sandstone	351651097185901	35.71%	87.38%	42.15%
Garber Sandstone	351723097274301	33.33%	5.94%	86.45%
Garber Sandstone	351807097292101	34.16%	62.69%	
Garber Sandstone	351823097215701	34.86%	90.22%	37.50%
Garber Sandstone	351902097251201	44.09%	78.02%	77.27%
Garber Sandstone	351912097193601	33.33%	79.12%	45.45%
Garber Sandstone	351926097293001	34.16%	45.75%	
Garber Sandstone	351926097293001	48.15%	51.85%	93.20%
Garber Sandstone	351939097302301	34.16%	64.63%	
Garber Sandstone	352145097345901	33.59%	10.83%	95.69%
Garber Sandstone	352314097185101	50.00%	4.76%	90.98%
Garber Sandstone	352330097264301	37.50%	72.46%	64.58%
Garber Sandstone	352345097331901	42.37%	62.96%	69.12%
Garber Sandstone	352433097262401	34.13%	94.10%	23.42%
Garber Sandstone	352434097223101	31.43%	88.07%	39.49%
Garber Sandstone	352448097222901	30.99%	87.81%	43.75%
Garber Sandstone	352450097241701	43.20%	58.54%	90.91%
Garber Sandstone	352518097270601	39.24%	88.07%	28.57%
Garber Sandstone	352519097222501	31.58%	78.00%	71.43%
Garber Sandstone	352520097280601	36.62%	87.38%	67.80%
Garber Sandstone	352531097262101	36.21%	96.92%	21.45%
Garber Sandstone	352535097224701	30.99%	86.88%	52.05%
Garber Sandstone	352535097303301	31.26%	96.20%	20.78%
Garber Sandstone	352605097375701	26.98%	5.85%	92.90%
Garber Sandstone	352614097231401	33.33%	86.24%	53.85%
Garber Sandstone	352622097103401	29.27%	48.33%	35.56%
Garber Sandstone	352631097313101	28.10%	86.61%	28.21%
Garber Sandstone	352639097083401	31.11%	84.93%	50.87%
Garber Sandstone	352703097302401	34.16%	83.97%	
Garber Sandstone	352703097302401	34.16%	82.95%	

Water Analyses: Reliability Checks

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	352703097302401	2/6/1986	245	74.7
Garber Sandstone	352703097302401	2/6/1986	315	96.0
Garber Sandstone	352703097302401	2/6/1986	395	120.4
Garber Sandstone	352703097302401	2/6/1986	527	160.6
Garber Sandstone	352703097302401	2/6/1986	555	169.2
Garber Sandstone	352703097302401	2/6/1986	595	181.4
Garber Sandstone	352703097302401	2/6/1986	659	200.9
Garber Sandstone	352703097302401	2/6/1986	690	210.3
Garber Sandstone	352703097302401	2/6/1986	735	224.0
Garber Sandstone	352703097302401	2/6/1986	815	248.4
Garber Sandstone	352703097302401	2/6/1986	995	303.3
Garber Sandstone	352703097302402	2/6/1986	313	95.4
Garber Sandstone	352703097302403	2/6/1986	523	159.4
Garber Sandstone	352705097175401	5/16/1988		
Garber Sandstone	352735097155001	2/20/1959		
Garber Sandstone	352738097191001	9/17/1987		
Garber Sandstone	352740097275301	11/16/1988		
Garber Wellington Aquifer	350055097125402	4/20/1988		
Garber Wellington Aquifer	350101097125401	4/20/1988		
Garber Wellington Aquifer	350203097072201	6/8/1988		
Garber Wellington Aquifer	350240097064101	6/8/1988		
Garber Wellington Aquifer	350419097093801	8/20/1986		
Garber Wellington Aquifer	350747097113701	8/20/1986		
Garber Wellington Aquifer	350756097232001	4/21/1988		
Garber Wellington Aquifer	350845097214501	4/27/1988		
Garber Wellington Aquifer	351118097114901	7/11/1988		
Garber Wellington Aquifer	351208097190001	7/29/1986	95	29.0
Garber Wellington Aquifer	351208097190001	7/29/1986	155	47.2
Garber Wellington Aquifer	351208097190001	7/29/1986	195	59.4
Garber Wellington Aquifer	351208097190001	7/29/1986	235	71.6
Garber Wellington Aquifer	351208097190001	7/29/1986	255	77.7
Garber Wellington Aquifer	351208097190001	7/29/1986	295	89.9
Garber Wellington Aquifer	351208097190001	7/29/1986	315	96.0
Garber Wellington Aquifer	351214097192701	7/29/1986	115	35.1
Garber Wellington Aquifer	351214097192701	7/29/1986	135	41.1
Garber Wellington Aquifer	351219097262301	4/25/1988		
Garber Wellington Aquifer	351236097262801	4/25/1988		
Garber Wellington Aquifer	351239097221101	9/24/1986	155	47.2
Garber Wellington Aquifer	351239097221101	9/24/1986	195	59.4
Garber Wellington Aquifer	351239097221101	9/24/1986	275	83.8
Garber Wellington Aquifer	351239097221101	9/24/1986	335	102.1
Garber Wellington Aquifer	351239097221101	9/24/1986	355	108.2
Garber Wellington Aquifer	351239097221101	9/24/1986	455	138.7
Garber Wellington Aquifer	351239097221101	9/24/1986	495	150.9
Garber Wellington Aquifer	351239097221101	9/24/1986	515	157.0
Garber Wellington Aquifer	351314097254702	10/24/1982	337	102.7
Garber Wellington Aquifer	351314097254704	10/24/1982	636	193.9
Garber Wellington Aquifer	351349097175501	7/29/1986	75	22.9
Garber Wellington Aquifer	351349097175501	7/29/1986	95	29.0
Garber Wellington Aquifer	351349097175501	7/29/1986	120	36.6
Garber Wellington Aquifer	351349097175501	7/29/1986	135	41.1
Garber Wellington Aquifer	351349097175501	7/29/1986	175	53.3
Garber Wellington Aquifer	351349097175501	7/29/1986	205	62.5

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (mmol/l)	Mg2+ (mmol/l)	Na+ (mmol/l)	K+ (mmol/l)
Garber Sandstone	352703097302401	9.24	7.90		
Garber Sandstone	352703097302401	9.66	8.27		
Garber Sandstone	352703097302401	9.84	8.42		
Garber Sandstone	352703097302401	10.17	8.70		
Garber Sandstone	352703097302401	9.86	8.43		
Garber Sandstone	352703097302401	10.55	9.02		
Garber Sandstone	352703097302401	9.50	8.13		
Garber Sandstone	352703097302401	9.73	8.33		
Garber Sandstone	352703097302401	9.72	8.32		
Garber Sandstone	352703097302401	4.43	3.79		
Garber Sandstone	352703097302401	4.38	3.75		
Garber Sandstone	352703097302402	13.53	11.57		
Garber Sandstone	352703097302403	10.06	8.61		
Garber Sandstone	352705097175401	0.72	0.49	0.28	0.03
Garber Sandstone	352735097155001	1.20	0.82	1.44	0.05
Garber Sandstone	352738097191001	0.90	0.70	0.62	0.04
Garber Sandstone	352740097275301	1.10	0.95	0.70	0.05
Garber Wellington Aquifer	350055097125402	0.45	0.36	4.52	0.03
Garber Wellington Aquifer	350101097125401	0.45	0.36	4.52	0.03
Garber Wellington Aquifer	350203097072201	0.82	0.82	1.23	0.05
Garber Wellington Aquifer	350240097064101	0.82	0.58	1.60	0.09
Garber Wellington Aquifer	350419097093801	1.22	0.82	0.74	
Garber Wellington Aquifer	350747097113701	2.77	2.47	2.84	
Garber Wellington Aquifer	350756097232001	0.08	0.05	6.58	0.03
Garber Wellington Aquifer	350845097214501	0.92	1.15	2.34	0.11
Garber Wellington Aquifer	351118097114901	0.35	0.32	0.17	0.03
Garber Wellington Aquifer	351208097190001	1.20	1.40	1.15	0.12
Garber Wellington Aquifer	351208097190001	0.85	0.95	3.21	0.08
Garber Wellington Aquifer	351208097190001	0.60	0.62	4.24	0.08
Garber Wellington Aquifer	351208097190001	0.82	0.82	5.02	0.08
Garber Wellington Aquifer	351208097190001	0.57	0.53	6.42	0.08
Garber Wellington Aquifer	351208097190001	0.80	0.74	4.85	0.08
Garber Wellington Aquifer	351208097190001	0.57	0.53	9.09	0.08
Garber Wellington Aquifer	351214097192701	0.80	0.78	3.46	0.08
Garber Wellington Aquifer	351214097192701	14.35	0.99	4.77	0.12
Garber Wellington Aquifer	351219097262301	0.15	0.09	12.34	0.06
Garber Wellington Aquifer	351236097262801	0.10	0.06	10.28	0.06
Garber Wellington Aquifer	351239097221101	1.57	1.60	1.65	0.08
Garber Wellington Aquifer	351239097221101	1.60	1.65	1.44	0.08
Garber Wellington Aquifer	351239097221101	0.97	0.99	2.39	0.08
Garber Wellington Aquifer	351239097221101	1.35	1.32	1.97	0.08
Garber Wellington Aquifer	351239097221101	1.40	1.36	1.69	0.08
Garber Wellington Aquifer	351239097221101	1.00	0.99	3.13	0.08
Garber Wellington Aquifer	351239097221101	0.92	0.86	7.77	0.08
Garber Wellington Aquifer	351239097221101	0.90	0.86	11.15	0.08
Garber Wellington Aquifer	351314097254702	0.06	0.05		
Garber Wellington Aquifer	351314097254704	0.06	0.05		
Garber Wellington Aquifer	351349097175501	0.57	0.49	0.70	0.08
Garber Wellington Aquifer	351349097175501	0.70	0.53	0.74	0.08
Garber Wellington Aquifer	351349097175501	0.62	0.53	0.70	0.08
Garber Wellington Aquifer	351349097175501	0.65	0.58	0.66	0.08
Garber Wellington Aquifer	351349097175501	0.70	0.58	0.66	0.08
Garber Wellington Aquifer	351349097175501	0.70	0.62	0.74	0.08

Water Analyses: Reliability Checks

Unit	Well ID	Cl- (mmol/l)	SO42- (mmol/l)	SiO2 (mmol/l)	HCO3- (mmol/l)
Garber Sandstone	352703097302401	66.43	2.84		6.01
Garber Sandstone	352703097302401	80.00	3.41		3.29
Garber Sandstone	352703097302401	82.47	3.87		4.32
Garber Sandstone	352703097302401	82.06	4.11		10.53
Garber Sandstone	352703097302401	83.09	4.20		12.75
Garber Sandstone	352703097302401	80.41	4.11		14.15
Garber Sandstone	352703097302401	76.51	4.11		4.65
Garber Sandstone	352703097302401	78.36	4.15		10.32
Garber Sandstone	352703097302401	80.00	4.20		
Garber Sandstone	352703097302401	69.43	4.28		
Garber Sandstone	352703097302401	80.78	8.43		14.85
Garber Sandstone	352703097302402	12.46	0.82		14.44
Garber Sandstone	352703097302403	61.82	3.00		3.21
Garber Sandstone	352705097175401	0.33	0.14	0.66	6.01
Garber Sandstone	352735097155001	4.69	2.59	0.45	3.29
Garber Sandstone	352738097191001	1.19	0.90	0.90	4.32
Garber Sandstone	352740097275301	0.45	0.30	0.74	10.53
Garber Wellington Aquifer	350055097125402	1.36	0.66	0.53	12.75
Garber Wellington Aquifer	350101097125401	0.66	0.38	0.41	14.15
Garber Wellington Aquifer	350203097072201	3.29	0.70	0.62	4.65
Garber Wellington Aquifer	350240097064101	0.34	0.31	0.58	10.32
Garber Wellington Aquifer	350419097093801	0.41	0.82		
Garber Wellington Aquifer	350747097113701	7.36	3.08		
Garber Wellington Aquifer	350756097232001	0.35	1.28	0.39	14.85
Garber Wellington Aquifer	350845097214501	1.03	0.41	0.70	14.44
Garber Wellington Aquifer	351118097114901	0.12	0.24	0.86	3.21
Garber Wellington Aquifer	351208097190001	0.78	0.41	0.21	
Garber Wellington Aquifer	351208097190001	1.11	1.07	0.74	
Garber Wellington Aquifer	351208097190001	1.89	1.23	0.25	
Garber Wellington Aquifer	351208097190001	2.96	2.51	0.49	
Garber Wellington Aquifer	351208097190001	3.66	3.00	0.25	
Garber Wellington Aquifer	351208097190001	2.96	1.52	0.21	
Garber Wellington Aquifer	351208097190001	8.23	3.29	0.21	
Garber Wellington Aquifer	351214097192701	2.18	0.99	0.33	
Garber Wellington Aquifer	351214097192701	3.25	61.29	0.21	
Garber Wellington Aquifer	351219097262301	1.93	12.75	0.41	14.36
Garber Wellington Aquifer	351236097262801	0.99	7.82	0.40	16.86
Garber Wellington Aquifer	351239097221101	0.62	0.58	0.33	
Garber Wellington Aquifer	351239097221101	0.62	0.49	0.33	
Garber Wellington Aquifer	351239097221101	0.37	0.53	0.29	
Garber Wellington Aquifer	351239097221101	0.49	0.53	0.33	
Garber Wellington Aquifer	351239097221101	0.49	0.41	0.33	
Garber Wellington Aquifer	351239097221101	0.66	0.49	0.29	
Garber Wellington Aquifer	351239097221101	5.35	2.18	0.25	
Garber Wellington Aquifer	351239097221101	9.21	3.46	0.25	
Garber Wellington Aquifer	351314097254702	0.86	4.81		
Garber Wellington Aquifer	351314097254704	16.29	7.57		
Garber Wellington Aquifer	351349097175501	0.95	0.41	0.29	
Garber Wellington Aquifer	351349097175501	0.95	0.45	0.29	
Garber Wellington Aquifer	351349097175501	0.99	0.41	0.29	
Garber Wellington Aquifer	351349097175501	0.95	0.41	0.29	
Garber Wellington Aquifer	351349097175501	0.95	0.41	0.25	
Garber Wellington Aquifer	351349097175501	0.99	0.45	0.29	

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (meq/l)	Mg2+ (meq/l)	Na+ (meq/l)	K+ (meq/l)	Cl- (meq/l)
Garber Sandstone	352703097302401	18.47	15.80			66.43
Garber Sandstone	352703097302401	19.33	16.53			80.00
Garber Sandstone	352703097302401	19.68	16.83			82.47
Garber Sandstone	352703097302401	20.34	17.40			82.06
Garber Sandstone	352703097302401	19.71	16.86			83.09
Garber Sandstone	352703097302401	21.09	18.04			80.41
Garber Sandstone	352703097302401	19.00	16.25			76.51
Garber Sandstone	352703097302401	19.47	16.65			78.36
Garber Sandstone	352703097302401	19.44	16.63			80.00
Garber Sandstone	352703097302401	8.85	7.57			69.43
Garber Sandstone	352703097302401	8.77	7.50			80.78
Garber Sandstone	352703097302402	27.05	23.14			12.46
Garber Sandstone	352703097302403	20.12	17.21			61.82
Garber Sandstone	352705097175401	1.45	0.99	0.28	0.03	0.33
Garber Sandstone	352735097155001	2.40	1.65	1.44	0.05	4.69
Garber Sandstone	352738097191001	1.80	1.40	0.62	0.04	1.19
Garber Sandstone	352740097275301	2.20	1.89	0.70	0.05	0.45
Garber Wellington Aquifer	350055097125402	0.90	0.72	4.52	0.03	1.36
Garber Wellington Aquifer	350101097125401	0.90	0.72	4.52	0.03	0.66
Garber Wellington Aquifer	350203097072201	1.65	1.65	1.23	0.05	3.29
Garber Wellington Aquifer	350240097064101	1.65	1.15	1.60	0.09	0.34
Garber Wellington Aquifer	350419097093801	2.45	1.65	0.74		0.41
Garber Wellington Aquifer	350747097113701	5.54	4.94	2.84		7.36
Garber Wellington Aquifer	350756097232001	0.15	0.10	6.58	0.03	0.35
Garber Wellington Aquifer	350845097214501	1.85	2.30	2.34	0.11	1.03
Garber Wellington Aquifer	351118097114901	0.70	0.63	0.17	0.03	0.12
Garber Wellington Aquifer	351208097190001	2.40	2.80	1.15	0.12	0.78
Garber Wellington Aquifer	351208097190001	1.70	1.89	3.21	0.08	1.11
Garber Wellington Aquifer	351208097190001	1.20	1.23	4.24	0.08	1.89
Garber Wellington Aquifer	351208097190001	1.65	1.65	5.02	0.08	2.96
Garber Wellington Aquifer	351208097190001	1.15	1.07	6.42	0.08	3.66
Garber Wellington Aquifer	351208097190001	1.60	1.48	4.85	0.08	2.96
Garber Wellington Aquifer	351208097190001	1.15	1.07	9.09	0.08	8.23
Garber Wellington Aquifer	351214097192701	1.60	1.56	3.46	0.08	2.18
Garber Wellington Aquifer	351214097192701	28.69	1.97	4.77	0.12	3.25
Garber Wellington Aquifer	351219097262301	0.29	0.19	12.34	0.06	1.93
Garber Wellington Aquifer	351236097262801	0.19	0.12	10.28	0.06	0.99
Garber Wellington Aquifer	351239097221101	3.14	3.21	1.65	0.08	0.62
Garber Wellington Aquifer	351239097221101	3.19	3.29	1.44	0.08	0.62
Garber Wellington Aquifer	351239097221101	1.95	1.97	2.39	0.08	0.37
Garber Wellington Aquifer	351239097221101	2.69	2.63	1.97	0.08	0.49
Garber Wellington Aquifer	351239097221101	2.79	2.71	1.69	0.08	0.49
Garber Wellington Aquifer	351239097221101	2.00	1.97	3.13	0.08	0.66
Garber Wellington Aquifer	351239097221101	1.85	1.73	7.77	0.08	5.35
Garber Wellington Aquifer	351239097221101	1.80	1.73	11.15	0.08	9.21
Garber Wellington Aquifer	351314097254702	0.12	0.10			0.86
Garber Wellington Aquifer	351314097254704	0.12	0.10			16.29
Garber Wellington Aquifer	351349097175501	1.15	0.99	0.70	0.08	0.95
Garber Wellington Aquifer	351349097175501	1.40	1.07	0.74	0.08	0.95
Garber Wellington Aquifer	351349097175501	1.25	1.07	0.70	0.08	0.99
Garber Wellington Aquifer	351349097175501	1.30	1.15	0.66	0.08	0.95
Garber Wellington Aquifer	351349097175501	1.40	1.15	0.66	0.08	0.95
Garber Wellington Aquifer	351349097175501	1.40	1.23	0.74	0.08	0.99

Water Analyses: Reliability Checks

Unit	Well ID	SO42- (meq/l)	HCO3- (meq/l)	Anion - Cation Balance (< 5%)	Hardness (< 5%)
Garber Sandstone	352703097302401	5.68	6.01	39.00%	8.56%
Garber Sandstone	352703097302401	6.83	3.29	43.07%	8.56%
Garber Sandstone	352703097302401	7.73	4.32	44.27%	8.56%
Garber Sandstone	352703097302401	8.23	10.53	45.52%	8.56%
Garber Sandstone	352703097302401	8.39	12.75	48.05%	8.56%
Garber Sandstone	352703097302401	8.23	14.15	44.85%	8.56%
Garber Sandstone	352703097302401	8.23	4.65	43.43%	8.56%
Garber Sandstone	352703097302401	8.31	10.32	45.73%	8.56%
Garber Sandstone	352703097302401	8.39		42.03%	8.56%
Garber Sandstone	352703097302401	8.56		65.21%	8.56%
Garber Sandstone	352703097302401	16.86	14.85	74.73%	8.56%
Garber Sandstone	352703097302402	1.65	14.44	27.50%	8.56%
Garber Sandstone	352703097302403	6.01	3.21	31.10%	8.56%
Garber Sandstone	352705097175401	0.27	6.01	41.32%	1.52%
Garber Sandstone	352735097155001	5.18	3.29	40.87%	208.24%
Garber Sandstone	352738097191001	1.81	4.32	31.09%	85.92%
Garber Sandstone	352740097275301	0.60	10.53	41.05%	2.59%
Garber Wellington Aquifer	350055097125402	1.32	12.75	42.82%	70.80%
Garber Wellington Aquifer	350101097125401	0.76	14.15	43.19%	71.21%
Garber Wellington Aquifer	350203097072201	1.40	4.65	34.23%	77.15%
Garber Wellington Aquifer	350240097064101	0.62	10.32	43.07%	32.02%
Garber Wellington Aquifer	350419097093801	1.65		40.28%	2.35%
Garber Wellington Aquifer	350747097113701	6.17		0.82%	2.99%
Garber Wellington Aquifer	350756097232001	2.55	14.85	44.19%	95.88%
Garber Wellington Aquifer	350845097214501	0.82	14.44	42.32%	27.89%
Garber Wellington Aquifer	351118097114901	0.48	3.21	42.50%	4.16%
Garber Wellington Aquifer	351208097190001	0.82		60.25%	10.09%
Garber Wellington Aquifer	351208097190001	2.14		35.84%	8.37%
Garber Wellington Aquifer	351208097190001	2.47		21.52%	51.71%
Garber Wellington Aquifer	351208097190001	5.02		2.52%	33.30%
Garber Wellington Aquifer	351208097190001	6.01		5.17%	54.71%
Garber Wellington Aquifer	351208097190001	3.04		14.33%	28.70%
Garber Wellington Aquifer	351208097190001	6.58		13.05%	55.26%
Garber Wellington Aquifer	351214097192701	1.97		23.43%	27.13%
Garber Wellington Aquifer	351214097192701	122.57		55.93%	772.02%
Garber Wellington Aquifer	351219097262301	25.50	14.36	52.88%	92.09%
Garber Wellington Aquifer	351236097262801	15.63	16.86	51.71%	95.32%
Garber Wellington Aquifer	351239097221101	1.15		64.08%	7.39%
Garber Wellington Aquifer	351239097221101	0.99		66.62%	15.07%
Garber Wellington Aquifer	351239097221101	1.07		63.22%	26.24%
Garber Wellington Aquifer	351239097221101	1.07		65.06%	0.22%
Garber Wellington Aquifer	351239097221101	0.82		69.37%	1.36%
Garber Wellington Aquifer	351239097221101	0.99		62.71%	34.64%
Garber Wellington Aquifer	351239097221101	4.36		8.15%	42.68%
Garber Wellington Aquifer	351239097221101	6.91		4.44%	43.48%
Garber Wellington Aquifer	351314097254702	9.62		95.95%	8.56%
Garber Wellington Aquifer	351314097254704	15.14		98.63%	8.56%
Garber Wellington Aquifer	351349097175501	0.82		24.50%	0.79%
Garber Wellington Aquifer	351349097175501	0.90		27.98%	6.42%
Garber Wellington Aquifer	351349097175501	0.82		26.26%	3.53%
Garber Wellington Aquifer	351349097175501	0.82		28.66%	13.49%
Garber Wellington Aquifer	351349097175501	0.82		30.06%	6.30%
Garber Wellington Aquifer	351349097175501	0.90		29.21%	7.05%

Water Analyses: Reliability Checks

Unit	Well ID	TDS (< 5%)	TDS180 (< 5%)	TDS (entered) vs. Cond. (<.55 & >.75)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401			
Garber Sandstone	352735097155001		7.68%	
Garber Sandstone	352738097191001			
Garber Sandstone	352740097275301			
Garber Wellington Aquifer	350055097125402			
Garber Wellington Aquifer	350101097125401			
Garber Wellington Aquifer	350203097072201			
Garber Wellington Aquifer	350240097064101			
Garber Wellington Aquifer	350419097093801	48.91%		
Garber Wellington Aquifer	350747097113701	44.80%		
Garber Wellington Aquifer	350756097232001			
Garber Wellington Aquifer	350845097214501			
Garber Wellington Aquifer	351118097114901			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351219097262301			
Garber Wellington Aquifer	351236097262801			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351314097254702			
Garber Wellington Aquifer	351314097254704			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			

Water Analyses: Reliability Checks

Unit	Well ID	TDS (calc.) vs. Cond. (<.55 & >.75)	Cond. Vs. sum meq cations (<90 & >110)	K+ / (Na+ + K+) (< 20%)
Garber Sandstone	352703097302401	0.40	175	
Garber Sandstone	352703097302401	0.42	178	
Garber Sandstone	352703097302401	0.39	194	
Garber Sandstone	352703097302401	0.42	185	
Garber Sandstone	352703097302401	0.44	189	
Garber Sandstone	352703097302401	0.47	166	
Garber Sandstone	352703097302401	0.41	182	
Garber Sandstone	352703097302401	0.44	180	
Garber Sandstone	352703097302401	0.38	194	
Garber Sandstone	352703097302401	0.33	378	
Garber Sandstone	352703097302401	0.40	430	
Garber Sandstone	352703097302402	0.24	127	
Garber Sandstone	352703097302403	0.48	127	
Garber Sandstone	352705097175401	0.88	92	9.33%
Garber Sandstone	352735097155001	0.60	111	3.05%
Garber Sandstone	352738097191001	0.64	101	5.66%
Garber Sandstone	352740097275301	0.88	89	7.10%
Garber Wellington Aquifer	350055097125402	0.78	105	0.63%
Garber Wellington Aquifer	350101097125401	0.91	92	0.63%
Garber Wellington Aquifer	350203097072201	0.70	96	3.85%
Garber Wellington Aquifer	350240097064101	0.91	90	5.11%
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	0.88	95	0.50%
Garber Wellington Aquifer	350845097214501	0.86	93	4.36%
Garber Wellington Aquifer	351118097114901	0.93	94	16.33%
Garber Wellington Aquifer	351208097190001	0.24	93	9.68%
Garber Wellington Aquifer	351208097190001	0.30	102	2.50%
Garber Wellington Aquifer	351208097190001	0.33	102	1.90%
Garber Wellington Aquifer	351208097190001	0.38	101	1.61%
Garber Wellington Aquifer	351208097190001	0.38	108	1.27%
Garber Wellington Aquifer	351208097190001	0.36	99	1.67%
Garber Wellington Aquifer	351208097190001	0.43	110	0.90%
Garber Wellington Aquifer	351214097192701	0.34	98	2.33%
Garber Wellington Aquifer	351214097192701	0.87	74	2.52%
Garber Wellington Aquifer	351219097262301	0.76	105	0.46%
Garber Wellington Aquifer	351236097262801	0.81	103	0.56%
Garber Wellington Aquifer	351239097221101	0.29	77	4.76%
Garber Wellington Aquifer	351239097221101	0.29	75	5.41%
Garber Wellington Aquifer	351239097221101	0.28	86	3.33%
Garber Wellington Aquifer	351239097221101	0.32	71	4.00%
Garber Wellington Aquifer	351239097221101	0.28	79	4.65%
Garber Wellington Aquifer	351239097221101	0.28	89	2.56%
Garber Wellington Aquifer	351239097221101	0.39	97	1.05%
Garber Wellington Aquifer	351239097221101	0.42	104	0.73%
Garber Wellington Aquifer	351314097254702	0.14	4578	
Garber Wellington Aquifer	351314097254704	0.26	10432	
Garber Wellington Aquifer	351349097175501	0.29	110	10.53%
Garber Wellington Aquifer	351349097175501	0.29	107	10.00%
Garber Wellington Aquifer	351349097175501	0.28	112	10.53%
Garber Wellington Aquifer	351349097175501	0.28	109	11.11%
Garber Wellington Aquifer	351349097175501	0.28	109	11.11%
Garber Wellington Aquifer	351349097175501	0.29	103	10.00%

Water Analyses: Reliability Checks

Unit	Well ID	Mg2+ / (Ca2+ + Mg2+) (< 40%)	Ca2+ / (Ca2+ + SO42-) (> 50%)	Na+ / (Na+ + Cl-) (> 50%)
Garber Sandstone	352703097302401	34.16%	84.29%	
Garber Sandstone	352703097302401	34.16%	82.35%	
Garber Sandstone	352703097302401	34.16%	80.75%	
Garber Sandstone	352703097302401	34.16%	80.30%	
Garber Sandstone	352703097302401	34.16%	79.48%	
Garber Sandstone	352703097302401	34.16%	80.87%	
Garber Sandstone	352703097302401	34.16%	79.20%	
Garber Sandstone	352703097302401	34.16%	79.43%	
Garber Sandstone	352703097302401	34.16%	79.25%	
Garber Sandstone	352703097302401	34.16%	63.04%	
Garber Sandstone	352703097302401	34.16%	46.15%	
Garber Sandstone	352703097302402	34.16%	96.44%	
Garber Sandstone	352703097302403	34.16%	84.67%	
Garber Sandstone	352705097175401	29.27%	89.78%	45.95%
Garber Sandstone	352735097155001	29.41%	43.24%	23.49%
Garber Sandstone	352738097191001	32.08%	62.07%	34.09%
Garber Sandstone	352740097275301	34.33%	85.77%	60.71%
Garber Wellington Aquifer	350055097125402	32.84%	52.94%	76.92%
Garber Wellington Aquifer	350101097125401	32.84%	66.18%	87.30%
Garber Wellington Aquifer	350203097072201	37.74%	66.00%	27.27%
Garber Wellington Aquifer	350240097064101	29.79%	81.48%	82.45%
Garber Wellington Aquifer	350419097093801	28.99%	71.01%	64.29%
Garber Wellington Aquifer	350747097113701	35.09%	59.68%	27.82%
Garber Wellington Aquifer	350756097232001	27.91%	9.09%	95.01%
Garber Wellington Aquifer	350845097214501	43.08%	78.72%	69.51%
Garber Wellington Aquifer	351118097114901	35.48%	70.71%	59.42%
Garber Wellington Aquifer	351208097190001	41.46%	82.76%	59.57%
Garber Wellington Aquifer	351208097190001	40.35%	56.67%	74.29%
Garber Wellington Aquifer	351208097190001	38.46%	44.44%	69.13%
Garber Wellington Aquifer	351208097190001	37.74%	35.11%	62.89%
Garber Wellington Aquifer	351208097190001	36.11%	23.96%	63.67%
Garber Wellington Aquifer	351208097190001	36.00%	46.38%	62.11%
Garber Wellington Aquifer	351208097190001	36.11%	22.33%	52.49%
Garber Wellington Aquifer	351214097192701	37.25%	57.14%	61.31%
Garber Wellington Aquifer	351214097192701	4.01%	27.85%	59.49%
Garber Wellington Aquifer	351219097262301	28.05%	1.87%	86.46%
Garber Wellington Aquifer	351236097262801	27.78%	2.01%	91.24%
Garber Wellington Aquifer	351239097221101	38.24%	81.82%	72.73%
Garber Wellington Aquifer	351239097221101	38.46%	84.21%	70.00%
Garber Wellington Aquifer	351239097221101	38.10%	75.00%	86.57%
Garber Wellington Aquifer	351239097221101	37.21%	80.60%	80.00%
Garber Wellington Aquifer	351239097221101	37.08%	84.85%	77.36%
Garber Wellington Aquifer	351239097221101	37.50%	76.92%	82.61%
Garber Wellington Aquifer	351239097221101	36.21%	41.11%	59.25%
Garber Wellington Aquifer	351239097221101	36.84%	30.00%	54.75%
Garber Wellington Aquifer	351314097254702	34.16%	1.96%	
Garber Wellington Aquifer	351314097254704	34.16%	1.26%	
Garber Wellington Aquifer	351349097175501	34.29%	69.70%	42.50%
Garber Wellington Aquifer	351349097175501	31.71%	71.79%	43.90%
Garber Wellington Aquifer	351349097175501	34.21%	71.43%	41.46%
Garber Wellington Aquifer	351349097175501	35.00%	72.22%	41.03%
Garber Wellington Aquifer	351349097175501	33.33%	73.68%	41.03%
Garber Wellington Aquifer	351349097175501	34.88%	71.79%	42.86%

Water Analyses: Reliability Checks

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351349097175501	7/29/1986	225	68.6
Garber Wellington Aquifer	351349097175501	7/29/1986	251	76.5
Garber Wellington Aquifer	351349097175501	7/29/1986	274	83.5
Garber Wellington Aquifer	351349097175501	7/29/1986	283	86.3
Garber Wellington Aquifer	351349097175501	7/29/1986	340	103.6
Garber Wellington Aquifer	351349097175501	7/29/1986	360	109.7
Garber Wellington Aquifer	351349097175501	7/29/1986	415	126.5
Garber Wellington Aquifer	351349097175501	7/29/1986	463	141.1
Garber Wellington Aquifer	351349097175501	7/29/1986	475	144.8
Garber Wellington Aquifer	351349097175501	7/29/1986	515	157.0
Garber Wellington Aquifer	351414097293901	12/7/1984		
Garber Wellington Aquifer	351414097293901	10/17/1985		
Garber Wellington Aquifer	351414097293901	8/3/1987		
Garber Wellington Aquifer	351455097153301	9/23/1986	140	42.7
Garber Wellington Aquifer	351455097153301	9/23/1986	175	53.3
Garber Wellington Aquifer	351455097153301	9/23/1986	195	59.4
Garber Wellington Aquifer	351455097153301	9/23/1986	235	71.6
Garber Wellington Aquifer	351455097153301	9/23/1986	255	77.7
Garber Wellington Aquifer	351455097153301	9/23/1986	315	96.0
Garber Wellington Aquifer	351455097153301	9/23/1986	405	123.4
Garber Wellington Aquifer	351455097153301	9/23/1986	455	138.7
Garber Wellington Aquifer	351455097153301	9/23/1986	475	144.8
Garber Wellington Aquifer	351455097153301	9/23/1986	515	157.0
Garber Wellington Aquifer	351455097153301	9/23/1986	595	181.4
Garber Wellington Aquifer	351455097153301	9/23/1986	615	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	115	35.1
Garber Wellington Aquifer	351537097180201	7/29/1986	160	48.8
Garber Wellington Aquifer	351537097180201	7/29/1986	185	56.4
Garber Wellington Aquifer	351537097180201	7/29/1986	215	65.5
Garber Wellington Aquifer	351537097180201	7/29/1986	295	89.9
Garber Wellington Aquifer	351537097180201	7/29/1986	335	102.1
Garber Wellington Aquifer	351537097180201	7/29/1986	455	138.7
Garber Wellington Aquifer	351537097180201	7/29/1986	495	150.9
Garber Wellington Aquifer	351537097180201	7/29/1986	515	157.0
Garber Wellington Aquifer	351537097180201	7/29/1986	555	169.2
Garber Wellington Aquifer	351537097180201	7/29/1986	595	181.4
Garber Wellington Aquifer	351537097180201	7/29/1986	615	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	655	199.6
Garber Wellington Aquifer	351537097180201	7/29/1986	765	233.2
Garber Wellington Aquifer	351537097180201	7/29/1986	795	242.3
Garber Wellington Aquifer	351543097200601	7/29/1986	115	35.1
Garber Wellington Aquifer	351543097200601	7/29/1986	155	47.2
Garber Wellington Aquifer	351543097200601	7/29/1986	213	64.9
Garber Wellington Aquifer	351543097200601	7/29/1986	235	71.6
Garber Wellington Aquifer	351543097200601	7/29/1986	275	83.8
Garber Wellington Aquifer	351543097200601	7/29/1986	310	94.5
Garber Wellington Aquifer	351543097200601	7/29/1986	355	108.2
Garber Wellington Aquifer	351543097200601	7/29/1986	395	120.4
Garber Wellington Aquifer	351543097200601	7/29/1986	445	135.6
Garber Wellington Aquifer	351543097200601	7/29/1986	475	144.8
Garber Wellington Aquifer	351543097200601	7/29/1986	535	163.1
Garber Wellington Aquifer	351543097200601	7/29/1986	615	187.5
Garber Wellington Aquifer	351543097200601	7/29/1986	635	193.5

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (mmol/l)	Mg2+ (mmol/l)	Na+ (mmol/l)	K+ (mmol/l)
Garber Wellington Aquifer	351349097175501	0.67	0.58	0.66	0.08
Garber Wellington Aquifer	351349097175501	0.57	0.53	0.62	0.08
Garber Wellington Aquifer	351349097175501	0.62	0.58	0.82	0.08
Garber Wellington Aquifer	351349097175501	0.70	0.58	0.82	0.08
Garber Wellington Aquifer	351349097175501	0.67	0.53	1.03	0.08
Garber Wellington Aquifer	351349097175501	0.47	0.53	1.19	0.12
Garber Wellington Aquifer	351349097175501	0.47	0.53	1.23	0.08
Garber Wellington Aquifer	351349097175501	0.55	0.53	1.69	0.08
Garber Wellington Aquifer	351349097175501	0.55	0.49	1.81	0.08
Garber Wellington Aquifer	351349097175501	0.50	0.53	5.43	0.08
Garber Wellington Aquifer	351414097293901	0.15	0.13		
Garber Wellington Aquifer	351414097293901	0.46	0.39		
Garber Wellington Aquifer	351414097293901	0.09	0.06	12.34	0.04
Garber Wellington Aquifer	351455097153301	0.90	0.86	0.66	0.12
Garber Wellington Aquifer	351455097153301	0.72	0.78	0.78	0.08
Garber Wellington Aquifer	351455097153301	0.65	0.70	0.90	0.08
Garber Wellington Aquifer	351455097153301	0.62	0.70	0.90	0.08
Garber Wellington Aquifer	351455097153301	0.75	0.82	0.90	0.08
Garber Wellington Aquifer	351455097153301	0.80	0.82	0.82	0.08
Garber Wellington Aquifer	351455097153301	0.55	0.58	2.02	0.08
Garber Wellington Aquifer	351455097153301	0.07	0.21	6.13	0.08
Garber Wellington Aquifer	351455097153301	0.12	0.25	6.95	0.08
Garber Wellington Aquifer	351455097153301	0.12	0.29	7.49	0.08
Garber Wellington Aquifer	351455097153301	0.12	0.16	12.92	0.08
Garber Wellington Aquifer	351455097153301	0.30	0.16	17.48	0.08
Garber Wellington Aquifer	351537097180201	0.87	0.78	1.97	0.08
Garber Wellington Aquifer	351537097180201	0.82	0.86	1.44	0.08
Garber Wellington Aquifer	351537097180201	0.82	0.82	1.07	0.08
Garber Wellington Aquifer	351537097180201	0.92	0.90	0.74	0.08
Garber Wellington Aquifer	351537097180201	0.82	0.82	1.03	0.08
Garber Wellington Aquifer	351537097180201	0.95	0.99	0.62	0.08
Garber Wellington Aquifer	351537097180201	1.10	1.07	0.58	0.08
Garber Wellington Aquifer	351537097180201	1.00	1.03	0.41	0.08
Garber Wellington Aquifer	351537097180201	1.27	1.40	0.53	0.16
Garber Wellington Aquifer	351537097180201	0.90	0.82	0.49	0.08
Garber Wellington Aquifer	351537097180201	1.00	0.95	0.29	0.08
Garber Wellington Aquifer	351537097180201	0.67	0.70	1.32	0.08
Garber Wellington Aquifer	351537097180201	0.72	0.74	2.76	0.08
Garber Wellington Aquifer	351537097180201	0.70	0.70	2.06	0.08
Garber Wellington Aquifer	351537097180201	1.87	1.48	20.77	0.12
Garber Wellington Aquifer	351543097200601	1.17	1.32	0.70	0.08
Garber Wellington Aquifer	351543097200601	1.15	1.28	0.58	0.08
Garber Wellington Aquifer	351543097200601	1.12	1.23	0.53	0.08
Garber Wellington Aquifer	351543097200601	1.15	1.23	0.58	0.08
Garber Wellington Aquifer	351543097200601	1.07	1.19	0.49	0.08
Garber Wellington Aquifer	351543097200601	1.07	1.19	0.49	0.08
Garber Wellington Aquifer	351543097200601	1.12	1.28	0.58	0.08
Garber Wellington Aquifer	351543097200601	1.05	1.15	0.66	0.08
Garber Wellington Aquifer	351543097200601	1.07	1.19	0.53	0.12
Garber Wellington Aquifer	351543097200601	1.02	1.15	0.62	0.08
Garber Wellington Aquifer	351543097200601	1.05	1.19	0.62	0.08
Garber Wellington Aquifer	351543097200601	1.02	1.11	1.44	0.08
Garber Wellington Aquifer	351543097200601	1.02	1.15	0.82	0.08

Water Analyses: Reliability Checks

Unit	Well ID	Cl- (mmol/l)	SO42- (mmol/l)	SiO2 (mmol/l)	HCO3- (mmol/l)
Garber Wellington Aquifer	351349097175501	0.95	0.41	0.25	
Garber Wellington Aquifer	351349097175501	0.90	0.49	0.21	
Garber Wellington Aquifer	351349097175501	0.86	0.41	0.25	
Garber Wellington Aquifer	351349097175501	0.86	0.41	0.21	
Garber Wellington Aquifer	351349097175501	0.82	0.41	0.21	
Garber Wellington Aquifer	351349097175501	0.86	0.45	0.25	
Garber Wellington Aquifer	351349097175501	0.82	0.45	0.21	
Garber Wellington Aquifer	351349097175501	1.28	0.41	0.21	
Garber Wellington Aquifer	351349097175501	1.44	0.58	0.21	
Garber Wellington Aquifer	351349097175501	8.23	2.39	0.16	
Garber Wellington Aquifer	351414097293901	0.41	1.56		
Garber Wellington Aquifer	351414097293901	0.99	9.87		
Garber Wellington Aquifer	351414097293901	0.86	11.11	0.41	19.29
Garber Wellington Aquifer	351455097153301	0.29	0.41	0.25	
Garber Wellington Aquifer	351455097153301	0.25	0.41	0.21	
Garber Wellington Aquifer	351455097153301	0.21	0.49	0.16	
Garber Wellington Aquifer	351455097153301	0.21	0.78	0.16	
Garber Wellington Aquifer	351455097153301	0.33	0.41	0.16	
Garber Wellington Aquifer	351455097153301	0.25	0.41	0.21	
Garber Wellington Aquifer	351455097153301	0.33	0.41	0.16	
Garber Wellington Aquifer	351455097153301	0.58	0.53	0.86	
Garber Wellington Aquifer	351455097153301	1.07	0.70	1.07	
Garber Wellington Aquifer	351455097153301	1.60	1.03	1.19	
Garber Wellington Aquifer	351455097153301	6.99	3.99	0.70	
Garber Wellington Aquifer	351455097153301	11.52	7.36	0.78	
Garber Wellington Aquifer	351537097180201	1.11	0.49	0.29	
Garber Wellington Aquifer	351537097180201	0.58	0.41	0.70	
Garber Wellington Aquifer	351537097180201	0.62	0.41	0.21	
Garber Wellington Aquifer	351537097180201	0.53	0.41	0.21	
Garber Wellington Aquifer	351537097180201	0.45	0.41	0.16	
Garber Wellington Aquifer	351537097180201	0.53	0.41	0.29	
Garber Wellington Aquifer	351537097180201	0.58	0.41	0.25	
Garber Wellington Aquifer	351537097180201	0.58	0.41	0.25	
Garber Wellington Aquifer	351537097180201	0.53	0.41	1.52	
Garber Wellington Aquifer	351537097180201	0.33	0.41	0.25	
Garber Wellington Aquifer	351537097180201	0.29	0.41	0.45	
Garber Wellington Aquifer	351537097180201	0.25	0.41	0.21	
Garber Wellington Aquifer	351537097180201	1.81	0.58	0.37	
Garber Wellington Aquifer	351537097180201	0.53	0.41	0.25	
Garber Wellington Aquifer	351537097180201	29.12	9.13	0.29	
Garber Wellington Aquifer	351543097200601	0.49	0.49	0.37	
Garber Wellington Aquifer	351543097200601	0.49	0.41	0.21	
Garber Wellington Aquifer	351543097200601	0.45	0.41	0.29	
Garber Wellington Aquifer	351543097200601	0.45	0.41	0.21	
Garber Wellington Aquifer	351543097200601	0.41	0.53	0.25	
Garber Wellington Aquifer	351543097200601	0.37	0.41	0.25	
Garber Wellington Aquifer	351543097200601	0.45	0.41	0.49	
Garber Wellington Aquifer	351543097200601	0.41	0.41	0.29	
Garber Wellington Aquifer	351543097200601	0.45	0.41	0.90	
Garber Wellington Aquifer	351543097200601	0.41	0.41	0.33	
Garber Wellington Aquifer	351543097200601	0.41	0.41	0.33	
Garber Wellington Aquifer	351543097200601	1.15	0.45	0.25	
Garber Wellington Aquifer	351543097200601	0.45	0.41	0.37	

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (meq/l)	Mg2+ (meq/l)	Na+ (meq/l)	K+ (meq/l)	Cl- (meq/l)
Garber Wellington Aquifer	351349097175501	1.35	1.15	0.66	0.08	0.95
Garber Wellington Aquifer	351349097175501	1.15	1.07	0.62	0.08	0.90
Garber Wellington Aquifer	351349097175501	1.25	1.15	0.82	0.08	0.86
Garber Wellington Aquifer	351349097175501	1.40	1.15	0.82	0.08	0.86
Garber Wellington Aquifer	351349097175501	1.35	1.07	1.03	0.08	0.82
Garber Wellington Aquifer	351349097175501	0.95	1.07	1.19	0.12	0.86
Garber Wellington Aquifer	351349097175501	0.95	1.07	1.23	0.08	0.82
Garber Wellington Aquifer	351349097175501	1.10	1.07	1.69	0.08	1.28
Garber Wellington Aquifer	351349097175501	1.10	0.99	1.81	0.08	1.44
Garber Wellington Aquifer	351349097175501	1.00	1.07	5.43	0.08	8.23
Garber Wellington Aquifer	351414097293901	0.29	0.25			0.41
Garber Wellington Aquifer	351414097293901	0.91	0.78			0.99
Garber Wellington Aquifer	351414097293901	0.18	0.12	12.34	0.04	0.86
Garber Wellington Aquifer	351455097153301	1.80	1.73	0.66	0.12	0.29
Garber Wellington Aquifer	351455097153301	1.45	1.56	0.78	0.08	0.25
Garber Wellington Aquifer	351455097153301	1.30	1.40	0.90	0.08	0.21
Garber Wellington Aquifer	351455097153301	1.25	1.40	0.90	0.08	0.21
Garber Wellington Aquifer	351455097153301	1.50	1.65	0.90	0.08	0.33
Garber Wellington Aquifer	351455097153301	1.60	1.65	0.82	0.08	0.25
Garber Wellington Aquifer	351455097153301	1.10	1.15	2.02	0.08	0.33
Garber Wellington Aquifer	351455097153301	0.15	0.41	6.13	0.08	0.58
Garber Wellington Aquifer	351455097153301	0.25	0.49	6.95	0.08	1.07
Garber Wellington Aquifer	351455097153301	0.25	0.58	7.49	0.08	1.60
Garber Wellington Aquifer	351455097153301	0.25	0.33	12.92	0.08	6.99
Garber Wellington Aquifer	351455097153301	0.60	0.33	17.48	0.08	11.52
Garber Wellington Aquifer	351537097180201	1.75	1.56	1.97	0.08	1.11
Garber Wellington Aquifer	351537097180201	1.65	1.73	1.44	0.08	0.58
Garber Wellington Aquifer	351537097180201	1.65	1.65	1.07	0.08	0.62
Garber Wellington Aquifer	351537097180201	1.85	1.81	0.74	0.08	0.53
Garber Wellington Aquifer	351537097180201	1.65	1.65	1.03	0.08	0.45
Garber Wellington Aquifer	351537097180201	1.90	1.97	0.62	0.08	0.53
Garber Wellington Aquifer	351537097180201	2.20	2.14	0.58	0.08	0.58
Garber Wellington Aquifer	351537097180201	2.00	2.06	0.41	0.08	0.58
Garber Wellington Aquifer	351537097180201	2.55	2.80	0.53	0.16	0.53
Garber Wellington Aquifer	351537097180201	1.80	1.65	0.49	0.08	0.33
Garber Wellington Aquifer	351537097180201	2.00	1.89	0.29	0.08	0.29
Garber Wellington Aquifer	351537097180201	1.35	1.40	1.32	0.08	0.25
Garber Wellington Aquifer	351537097180201	1.45	1.48	2.76	0.08	1.81
Garber Wellington Aquifer	351537097180201	1.40	1.40	2.06	0.08	0.53
Garber Wellington Aquifer	351537097180201	3.74	2.96	20.77	0.12	29.12
Garber Wellington Aquifer	351543097200601	2.35	2.63	0.70	0.08	0.49
Garber Wellington Aquifer	351543097200601	2.30	2.55	0.58	0.08	0.49
Garber Wellington Aquifer	351543097200601	2.25	2.47	0.53	0.08	0.45
Garber Wellington Aquifer	351543097200601	2.30	2.47	0.58	0.08	0.45
Garber Wellington Aquifer	351543097200601	2.15	2.39	0.49	0.08	0.41
Garber Wellington Aquifer	351543097200601	2.15	2.39	0.49	0.08	0.37
Garber Wellington Aquifer	351543097200601	2.25	2.55	0.58	0.08	0.45
Garber Wellington Aquifer	351543097200601	2.10	2.30	0.66	0.08	0.41
Garber Wellington Aquifer	351543097200601	2.15	2.39	0.53	0.12	0.45
Garber Wellington Aquifer	351543097200601	2.05	2.30	0.62	0.08	0.41
Garber Wellington Aquifer	351543097200601	2.10	2.39	0.62	0.08	0.41
Garber Wellington Aquifer	351543097200601	2.05	2.22	1.44	0.08	1.15
Garber Wellington Aquifer	351543097200601	2.05	2.30	0.82	0.08	0.45

Water Analyses: Reliability Checks

Unit	Well ID	SO42- (meq/l)	HCO3- (meq/l)	Anion - Cation Balance (< 5%)	Hardness (< 5%)
Garber Wellington Aquifer	351349097175501	0.82		29.37%	0.86%
Garber Wellington Aquifer	351349097175501	0.99		21.30%	4.35%
Garber Wellington Aquifer	351349097175501	0.82		32.42%	8.35%
Garber Wellington Aquifer	351349097175501	0.82		34.38%	7.57%
Garber Wellington Aquifer	351349097175501	0.82		36.39%	12.36%
Garber Wellington Aquifer	351349097175501	0.90		30.67%	19.87%
Garber Wellington Aquifer	351349097175501	0.90		31.74%	18.57%
Garber Wellington Aquifer	351349097175501	0.82		30.47%	24.68%
Garber Wellington Aquifer	351349097175501	1.15		21.10%	26.52%
Garber Wellington Aquifer	351349097175501	4.77		26.33%	23.92%
Garber Wellington Aquifer	351414097293901	3.13		73.41%	8.56%
Garber Wellington Aquifer	351414097293901	19.74		84.91%	8.56%
Garber Wellington Aquifer	351414097293901	22.21	19.29	53.92%	96.11%
Garber Wellington Aquifer	351455097153301	0.82		58.99%	4.15%
Garber Wellington Aquifer	351455097153301	0.82		56.73%	10.33%
Garber Wellington Aquifer	351455097153301	0.99		51.07%	6.31%
Garber Wellington Aquifer	351455097153301	1.56		34.52%	19.26%
Garber Wellington Aquifer	351455097153301	0.82		56.39%	16.35%
Garber Wellington Aquifer	351455097153301	0.82		59.00%	8.85%
Garber Wellington Aquifer	351455097153301	0.82		58.11%	42.56%
Garber Wellington Aquifer	351455097153301	1.07		60.91%	88.30%
Garber Wellington Aquifer	351455097153301	1.40		51.82%	85.36%
Garber Wellington Aquifer	351455097153301	2.06		39.26%	84.59%
Garber Wellington Aquifer	351455097153301	7.98		4.89%	90.02%
Garber Wellington Aquifer	351455097153301	14.73		17.33%	83.42%
Garber Wellington Aquifer	351537097180201	0.99		43.79%	22.24%
Garber Wellington Aquifer	351537097180201	0.82		55.57%	12.05%
Garber Wellington Aquifer	351537097180201	0.82		51.06%	13.29%
Garber Wellington Aquifer	351537097180201	0.82		53.48%	6.65%
Garber Wellington Aquifer	351537097180201	0.82		55.08%	14.19%
Garber Wellington Aquifer	351537097180201	0.82		54.20%	10.06%
Garber Wellington Aquifer	351537097180201	0.82		56.24%	21.86%
Garber Wellington Aquifer	351537097180201	0.82		52.95%	1.41%
Garber Wellington Aquifer	351537097180201	0.82		63.31%	38.51%
Garber Wellington Aquifer	351537097180201	0.82		55.44%	2.52%
Garber Wellington Aquifer	351537097180201	0.82		58.63%	3.50%
Garber Wellington Aquifer	351537097180201	0.82		58.98%	29.89%
Garber Wellington Aquifer	351537097180201	1.15		32.13%	8.42%
Garber Wellington Aquifer	351537097180201	0.82		56.85%	35.23%
Garber Wellington Aquifer	351537097180201	18.26		26.39%	115.07%
Garber Wellington Aquifer	351543097200601	0.99		59.10%	27.10%
Garber Wellington Aquifer	351543097200601	0.82		61.40%	2.75%
Garber Wellington Aquifer	351543097200601	0.82		61.39%	7.22%
Garber Wellington Aquifer	351543097200601	0.82		61.92%	13.63%
Garber Wellington Aquifer	351543097200601	1.07		55.05%	1.69%
Garber Wellington Aquifer	351543097200601	0.82		62.13%	1.69%
Garber Wellington Aquifer	351543097200601	0.82		62.10%	20.00%
Garber Wellington Aquifer	351543097200601	0.82		61.28%	2.15%
Garber Wellington Aquifer	351543097200601	0.82		60.55%	1.24%
Garber Wellington Aquifer	351543097200601	0.82		60.72%	6.18%
Garber Wellington Aquifer	351543097200601	0.82		61.53%	9.94%
Garber Wellington Aquifer	351543097200601	0.90		47.57%	7.96%
Garber Wellington Aquifer	351543097200601	0.82		60.94%	3.16%

Water Analyses: Reliability Checks

Unit	Well ID	TDS (< 5%)	TDS180 (< 5%)	TDS (entered) vs. Cond. (<.55 & >.75)
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351414097293901			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			

Water Analyses: Reliability Checks

Unit	Well ID	TDS (calc.) vs. Cond. (<.55 & >.75)	Cond. Vs. sum meq cations (<90 & >110)	K+ / (Na+ + K+) (< 20%)
Garber Wellington Aquifer	351349097175501	0.28	110	11.11%
Garber Wellington Aquifer	351349097175501	0.26	119	11.76%
Garber Wellington Aquifer	351349097175501	0.28	107	9.09%
Garber Wellington Aquifer	351349097175501	0.27	108	9.09%
Garber Wellington Aquifer	351349097175501	0.27	106	7.41%
Garber Wellington Aquifer	351349097175501	0.27	111	9.38%
Garber Wellington Aquifer	351349097175501	0.28	107	6.25%
Garber Wellington Aquifer	351349097175501	0.29	108	4.65%
Garber Wellington Aquifer	351349097175501	0.30	111	4.35%
Garber Wellington Aquifer	351349097175501	0.37	153	1.49%
Garber Wellington Aquifer	351414097293901	0.09	1116	
Garber Wellington Aquifer	351414097293901	0.25	697	
Garber Wellington Aquifer	351414097293901	0.82	103	0.30%
Garber Wellington Aquifer	351455097153301	0.24	95	15.79%
Garber Wellington Aquifer	351455097153301	0.25	93	9.52%
Garber Wellington Aquifer	351455097153301	0.24	98	8.33%
Garber Wellington Aquifer	351455097153301	0.28	92	8.33%
Garber Wellington Aquifer	351455097153301	0.25	92	8.33%
Garber Wellington Aquifer	351455097153301	0.25	92	9.09%
Garber Wellington Aquifer	351455097153301	0.27	94	3.92%
Garber Wellington Aquifer	351455097153301	0.34	89	1.32%
Garber Wellington Aquifer	351455097153301	0.36	90	1.17%
Garber Wellington Aquifer	351455097153301	0.40	87	1.09%
Garber Wellington Aquifer	351455097153301	0.46	97	0.63%
Garber Wellington Aquifer	351455097153301	0.50	100	0.47%
Garber Wellington Aquifer	351537097180201	0.26	107	4.00%
Garber Wellington Aquifer	351537097180201	0.28	96	5.41%
Garber Wellington Aquifer	351537097180201	0.24	102	7.14%
Garber Wellington Aquifer	351537097180201	0.23	102	10.00%
Garber Wellington Aquifer	351537097180201	0.24	101	7.41%
Garber Wellington Aquifer	351537097180201	0.26	91	11.76%
Garber Wellington Aquifer	351537097180201	0.28	83	12.50%
Garber Wellington Aquifer	351537097180201	0.24	99	16.67%
Garber Wellington Aquifer	351537097180201	0.37	73	23.53%
Garber Wellington Aquifer	351537097180201	0.24	97	14.29%
Garber Wellington Aquifer	351537097180201	0.25	94	22.22%
Garber Wellington Aquifer	351537097180201	0.23	105	5.88%
Garber Wellington Aquifer	351537097180201	0.29	108	2.90%
Garber Wellington Aquifer	351537097180201	0.26	99	3.85%
Garber Wellington Aquifer	351537097180201	0.49	116	0.59%
Garber Wellington Aquifer	351543097200601	0.30	76	10.53%
Garber Wellington Aquifer	351543097200601	0.24	92	12.50%
Garber Wellington Aquifer	351543097200601	0.24	91	13.33%
Garber Wellington Aquifer	351543097200601	0.22	98	12.50%
Garber Wellington Aquifer	351543097200601	0.23	97	14.29%
Garber Wellington Aquifer	351543097200601	0.23	96	14.29%
Garber Wellington Aquifer	351543097200601	0.29	79	12.50%
Garber Wellington Aquifer	351543097200601	0.23	98	11.11%
Garber Wellington Aquifer	351543097200601	0.27	94	18.75%
Garber Wellington Aquifer	351543097200601	0.23	100	11.76%
Garber Wellington Aquifer	351543097200601	0.25	90	11.76%
Garber Wellington Aquifer	351543097200601	0.27	97	5.41%
Garber Wellington Aquifer	351543097200601	0.25	91	9.09%

Water Analyses: Reliability Checks

Unit	Well ID	Mg2+ / (Ca2+ + Mg2+) (< 40%)	Ca2+ / (Ca2+ + SO42-) (> 50%)	Na+ / (Na+ + Cl-) (> 50%)
Garber Wellington Aquifer	351349097175501	34.15%	72.97%	41.03%
Garber Wellington Aquifer	351349097175501	36.11%	65.71%	40.54%
Garber Wellington Aquifer	351349097175501	35.90%	71.43%	48.78%
Garber Wellington Aquifer	351349097175501	33.33%	73.68%	48.78%
Garber Wellington Aquifer	351349097175501	32.50%	72.97%	55.56%
Garber Wellington Aquifer	351349097175501	40.63%	63.33%	58.00%
Garber Wellington Aquifer	351349097175501	40.63%	63.33%	60.00%
Garber Wellington Aquifer	351349097175501	37.14%	68.75%	56.94%
Garber Wellington Aquifer	351349097175501	35.29%	61.11%	55.70%
Garber Wellington Aquifer	351349097175501	39.39%	25.64%	39.76%
Garber Wellington Aquifer	351414097293901	34.16%	13.35%	
Garber Wellington Aquifer	351414097293901	34.16%	7.08%	
Garber Wellington Aquifer	351414097293901	28.85%	1.35%	93.46%
Garber Wellington Aquifer	351455097153301	36.84%	78.26%	69.57%
Garber Wellington Aquifer	351455097153301	39.58%	74.36%	76.00%
Garber Wellington Aquifer	351455097153301	39.53%	68.42%	81.48%
Garber Wellington Aquifer	351455097153301	40.48%	56.82%	81.48%
Garber Wellington Aquifer	351455097153301	40.00%	75.00%	73.33%
Garber Wellington Aquifer	351455097153301	38.46%	76.19%	76.92%
Garber Wellington Aquifer	351455097153301	38.89%	68.75%	85.96%
Garber Wellington Aquifer	351455097153301	62.50%	18.75%	91.41%
Garber Wellington Aquifer	351455097153301	54.55%	22.73%	86.67%
Garber Wellington Aquifer	351455097153301	58.33%	16.67%	82.35%
Garber Wellington Aquifer	351455097153301	44.44%	4.90%	64.88%
Garber Wellington Aquifer	351455097153301	25.00%	6.28%	60.28%
Garber Wellington Aquifer	351537097180201	35.19%	74.47%	64.00%
Garber Wellington Aquifer	351537097180201	38.89%	76.74%	71.43%
Garber Wellington Aquifer	351537097180201	37.74%	76.74%	63.41%
Garber Wellington Aquifer	351537097180201	37.29%	78.72%	58.06%
Garber Wellington Aquifer	351537097180201	37.74%	76.74%	69.44%
Garber Wellington Aquifer	351537097180201	38.71%	79.17%	53.57%
Garber Wellington Aquifer	351537097180201	37.14%	81.48%	50.00%
Garber Wellington Aquifer	351537097180201	38.46%	80.00%	41.67%
Garber Wellington Aquifer	351537097180201	40.00%	83.61%	50.00%
Garber Wellington Aquifer	351537097180201	35.71%	78.26%	60.00%
Garber Wellington Aquifer	351537097180201	36.51%	80.00%	50.00%
Garber Wellington Aquifer	351537097180201	38.64%	72.97%	84.21%
Garber Wellington Aquifer	351537097180201	38.30%	67.44%	60.36%
Garber Wellington Aquifer	351537097180201	37.78%	73.68%	79.37%
Garber Wellington Aquifer	351537097180201	32.43%	25.25%	41.63%
Garber Wellington Aquifer	351543097200601	40.51%	79.66%	58.62%
Garber Wellington Aquifer	351543097200601	40.26%	82.14%	53.85%
Garber Wellington Aquifer	351543097200601	40.00%	81.82%	54.17%
Garber Wellington Aquifer	351543097200601	39.47%	82.14%	56.00%
Garber Wellington Aquifer	351543097200601	40.28%	76.79%	54.55%
Garber Wellington Aquifer	351543097200601	40.28%	81.13%	57.14%
Garber Wellington Aquifer	351543097200601	40.79%	81.82%	56.00%
Garber Wellington Aquifer	351543097200601	40.00%	80.77%	61.54%
Garber Wellington Aquifer	351543097200601	40.28%	81.13%	54.17%
Garber Wellington Aquifer	351543097200601	40.58%	80.39%	60.00%
Garber Wellington Aquifer	351543097200601	40.85%	80.77%	60.00%
Garber Wellington Aquifer	351543097200601	39.71%	78.85%	55.56%
Garber Wellington Aquifer	351543097200601	40.58%	80.39%	64.52%

Water Analyses: Reliability Checks

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351543097200601	7/29/1986	655	199.6
Garber Wellington Aquifer	351543097200601	7/29/1986	675	205.7
Garber Wellington Aquifer	351543097200601	7/29/1986	695	211.8
Garber Wellington Aquifer	351611097042001	9/8/1987		
Garber Wellington Aquifer	351624097082401	6/7/1988		
Garber Wellington Aquifer	351630097190001	8/20/1986		
Garber Wellington Aquifer	351632097200601	7/29/1986	115	35.1
Garber Wellington Aquifer	351632097200601	7/29/1986	155	47.2
Garber Wellington Aquifer	351632097200601	7/29/1986	215	65.5
Garber Wellington Aquifer	351632097200601	7/29/1986	335	102.1
Garber Wellington Aquifer	351632097200601	7/29/1986	355	108.2
Garber Wellington Aquifer	351632097200601	7/29/1986	395	120.4
Garber Wellington Aquifer	351632097200601	7/29/1986	415	126.5
Garber Wellington Aquifer	351632097200601	7/29/1986	435	132.6
Garber Wellington Aquifer	351632097200601	7/29/1986	475	144.8
Garber Wellington Aquifer	351632097200601	7/29/1986	515	157.0
Garber Wellington Aquifer	351632097200601	7/29/1986	575	175.3
Garber Wellington Aquifer	351632097200601	7/29/1986	615	187.5
Garber Wellington Aquifer	351632097200601	7/29/1986	635	193.5
Garber Wellington Aquifer	351632097200601	7/29/1986	695	211.8
Garber Wellington Aquifer	351632097200601	7/29/1986	715	217.9
Garber Wellington Aquifer	351643097285002	10/17/1982	362	110.3
Garber Wellington Aquifer	351643097285003	10/17/1982	542	165.2
Garber Wellington Aquifer	351643097285004	10/17/1982	796	242.6
Garber Wellington Aquifer	351715097032501	8/18/1986		
Garber Wellington Aquifer	351729097221301	10/15/1987		
Garber Wellington Aquifer	351729097221302	9/23/1986	95	29.0
Garber Wellington Aquifer	351729097221302	9/23/1986	135	41.1
Garber Wellington Aquifer	351729097221302	9/23/1986	175	53.3
Garber Wellington Aquifer	351729097221302	9/23/1986	215	65.5
Garber Wellington Aquifer	351729097221302	9/23/1986	250	76.2
Garber Wellington Aquifer	351729097221302	9/23/1986	275	83.8
Garber Wellington Aquifer	351729097221302	9/23/1986	315	96.0
Garber Wellington Aquifer	351729097221302	9/23/1986	395	120.4
Garber Wellington Aquifer	351729097221302	9/23/1986	415	126.5
Garber Wellington Aquifer	351729097221302	9/23/1986	435	132.6
Garber Wellington Aquifer	351729097221302	9/23/1986	515	157.0
Garber Wellington Aquifer	351729097221302	9/23/1986	535	163.1
Garber Wellington Aquifer	351729097221302	9/23/1986	585	178.3
Garber Wellington Aquifer	351729097221302	9/23/1986	655	199.6
Garber Wellington Aquifer	351729097221302	9/23/1986	715	217.9
Garber Wellington Aquifer	351729097221302	9/23/1986	755	230.1
Garber Wellington Aquifer	351729097221302	9/23/1986	795	242.3
Garber Wellington Aquifer	351729097221302	10/22/1987		
Garber Wellington Aquifer	351817097155201	7/29/1986	100	30.5
Garber Wellington Aquifer	351817097155201	7/29/1986	140	42.7
Garber Wellington Aquifer	351817097155201	7/29/1986	195	59.4
Garber Wellington Aquifer	351817097155201	7/29/1986	220	67.1
Garber Wellington Aquifer	351817097155201	7/29/1986	295	89.9
Garber Wellington Aquifer	351817097155201	7/29/1986	355	108.2
Garber Wellington Aquifer	351817097155201	7/29/1986	395	120.4
Garber Wellington Aquifer	351817097155201	7/29/1986	415	126.5
Garber Wellington Aquifer	351817097155201	7/29/1986	495	150.9

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (mmol/l)	Mg2+ (mmol/l)	Na+ (mmol/l)	K+ (mmol/l)
Garber Wellington Aquifer	351543097200601	1.05	1.15	1.93	0.08
Garber Wellington Aquifer	351543097200601	1.05	1.15	0.70	0.08
Garber Wellington Aquifer	351543097200601	0.17	0.16	22.01	0.08
Garber Wellington Aquifer	351611097042001	0.65	0.53	0.86	0.13
Garber Wellington Aquifer	351624097082401	1.40	1.28	0.45	0.07
Garber Wellington Aquifer	351630097190001	0.97	0.86	0.41	
Garber Wellington Aquifer	351632097200601	1.37	1.11	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.37	1.15	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.27	1.15	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.27	1.11	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.27	1.11	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.30	1.11	0.37	0.08
Garber Wellington Aquifer	351632097200601	1.22	1.07	0.45	0.08
Garber Wellington Aquifer	351632097200601	1.22	1.07	0.49	0.08
Garber Wellington Aquifer	351632097200601	1.25	1.07	0.29	0.08
Garber Wellington Aquifer	351632097200601	1.10	0.90	0.95	0.08
Garber Wellington Aquifer	351632097200601	1.10	0.90	0.90	0.08
Garber Wellington Aquifer	351632097200601	1.05	0.82	3.37	0.08
Garber Wellington Aquifer	351632097200601	1.00	0.82	4.15	0.08
Garber Wellington Aquifer	351632097200601	1.00	0.82	5.02	0.08
Garber Wellington Aquifer	351632097200601	0.92	0.74	10.45	0.08
Garber Wellington Aquifer	351643097285002	0.24	0.21		
Garber Wellington Aquifer	351643097285003	0.06	0.05		
Garber Wellington Aquifer	351643097285004	0.06	0.05		
Garber Wellington Aquifer	351715097032501	0.12	0.08	0.49	
Garber Wellington Aquifer	351729097221301	1.50	1.52	0.62	0.09
Garber Wellington Aquifer	351729097221302	1.65	1.48	0.95	0.21
Garber Wellington Aquifer	351729097221302	1.87	1.97	0.82	0.08
Garber Wellington Aquifer	351729097221302	1.45	1.60	0.70	0.12
Garber Wellington Aquifer	351729097221302	1.45	1.52	0.62	0.12
Garber Wellington Aquifer	351729097221302	1.45	1.52	0.58	0.08
Garber Wellington Aquifer	351729097221302	1.62	1.60	0.62	0.08
Garber Wellington Aquifer	351729097221302	1.55	1.52	1.15	0.08
Garber Wellington Aquifer	351729097221302	1.55	1.48	0.74	0.08
Garber Wellington Aquifer	351729097221302	1.50	1.48	0.66	0.08
Garber Wellington Aquifer	351729097221302	1.47	1.52	0.70	0.08
Garber Wellington Aquifer	351729097221302	1.60	1.56	0.78	0.08
Garber Wellington Aquifer	351729097221302	1.55	1.56	0.70	0.08
Garber Wellington Aquifer	351729097221302	0.27	0.29	3.83	0.08
Garber Wellington Aquifer	351729097221302	0.20	0.21	4.44	0.08
Garber Wellington Aquifer	351729097221302	0.82	0.86	5.10	0.08
Garber Wellington Aquifer	351729097221302	1.25	1.19	3.99	0.08
Garber Wellington Aquifer	351729097221302	1.17	1.15	9.83	0.08
Garber Wellington Aquifer	351729097221302	0.14	0.12	10.28	0.19
Garber Wellington Aquifer	351817097155201	0.30	0.21	4.73	0.08
Garber Wellington Aquifer	351817097155201	0.55	0.45	5.22	0.08
Garber Wellington Aquifer	351817097155201	0.72	0.62	1.89	0.08
Garber Wellington Aquifer	351817097155201	0.62	0.53	2.02	0.08
Garber Wellington Aquifer	351817097155201	0.75	0.62	1.36	0.08
Garber Wellington Aquifer	351817097155201	1.25	1.07	0.37	0.08
Garber Wellington Aquifer	351817097155201	1.10	0.99	0.41	0.08
Garber Wellington Aquifer	351817097155201	1.22	1.07	0.37	0.08
Garber Wellington Aquifer	351817097155201	1.27	1.07	0.37	0.08

Water Analyses: Reliability Checks

Unit	Well ID	Cl- (mmol/l)	SO42- (mmol/l)	SiO2 (mmol/l)	HCO3- (mmol/l)
Garber Wellington Aquifer	351543097200601	1.56	0.53	0.37	
Garber Wellington Aquifer	351543097200601	0.49	0.41	0.25	
Garber Wellington Aquifer	351543097200601	20.15	6.42	0.37	
Garber Wellington Aquifer	351611097042001	0.99	1.19	0.66	3.83
Garber Wellington Aquifer	351624097082401	0.41	0.21	0.62	13.74
Garber Wellington Aquifer	351630097190001	0.62	0.82		
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.45	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.25	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.25	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.25	
Garber Wellington Aquifer	351632097200601	0.37	0.41	0.16	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	0.33	0.41	0.21	
Garber Wellington Aquifer	351632097200601	2.92	0.82	0.16	
Garber Wellington Aquifer	351632097200601	3.58	0.95	0.16	
Garber Wellington Aquifer	351632097200601	4.11	1.28	0.21	
Garber Wellington Aquifer	351632097200601	11.93	4.28	0.21	
Garber Wellington Aquifer	351643097285002	3.78	22.01		
Garber Wellington Aquifer	351643097285003	2.51	2.10		
Garber Wellington Aquifer	351643097285004	1.89	1.52		
Garber Wellington Aquifer	351715097032501	0.45	0.82		
Garber Wellington Aquifer	351729097221301	0.58	0.38	0.49	14.36
Garber Wellington Aquifer	351729097221302	0.78	0.58	0.37	
Garber Wellington Aquifer	351729097221302	0.86	0.53	0.29	
Garber Wellington Aquifer	351729097221302	0.78	0.41	0.25	10.73
Garber Wellington Aquifer	351729097221302	0.66	0.41	0.29	10.63
Garber Wellington Aquifer	351729097221302	0.70	0.49	0.33	10.53
Garber Wellington Aquifer	351729097221302	0.70	0.41	0.29	9.93
Garber Wellington Aquifer	351729097221302	0.70	0.45	0.25	
Garber Wellington Aquifer	351729097221302	0.62	0.45	0.29	
Garber Wellington Aquifer	351729097221302	0.62	0.45	0.25	
Garber Wellington Aquifer	351729097221302	0.66	0.49	0.25	
Garber Wellington Aquifer	351729097221302	0.66	0.41	0.41	
Garber Wellington Aquifer	351729097221302	0.66	0.49	0.25	
Garber Wellington Aquifer	351729097221302	0.21	0.41	0.58	
Garber Wellington Aquifer	351729097221302	0.66	0.58	0.33	
Garber Wellington Aquifer	351729097221302	3.04	0.45	0.29	
Garber Wellington Aquifer	351729097221302	2.84	0.62	0.37	
Garber Wellington Aquifer	351729097221302	10.69	2.06	0.25	
Garber Wellington Aquifer	351729097221302	8.23	1.28	0.45	12.26
Garber Wellington Aquifer	351817097155201	0.86	0.53	0.25	
Garber Wellington Aquifer	351817097155201	2.10	0.99	0.25	
Garber Wellington Aquifer	351817097155201	0.25	0.41	0.21	
Garber Wellington Aquifer	351817097155201	0.21	0.45	0.25	
Garber Wellington Aquifer	351817097155201	0.25	0.41	0.21	
Garber Wellington Aquifer	351817097155201	0.37	0.41	0.29	
Garber Wellington Aquifer	351817097155201	0.33	0.41	0.21	
Garber Wellington Aquifer	351817097155201	0.33	0.45	0.21	
Garber Wellington Aquifer	351817097155201	0.33	0.41	0.21	

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (meq/l)	Mg2+ (meq/l)	Na+ (meq/l)	K+ (meq/l)	Cl- (meq/l)
Garber Wellington Aquifer	351543097200601	2.10	2.30	1.93	0.08	1.56
Garber Wellington Aquifer	351543097200601	2.10	2.30	0.70	0.08	0.49
Garber Wellington Aquifer	351543097200601	0.35	0.33	22.01	0.08	20.15
Garber Wellington Aquifer	351611097042001	1.30	1.07	0.86	0.13	0.99
Garber Wellington Aquifer	351624097082401	2.79	2.55	0.45	0.07	0.41
Garber Wellington Aquifer	351630097190001	1.95	1.73	0.41		0.62
Garber Wellington Aquifer	351632097200601	2.74	2.22	0.29	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.74	2.30	0.29	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.55	2.30	0.29	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.55	2.22	0.29	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.55	2.22	0.29	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.59	2.22	0.37	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.45	2.14	0.45	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.45	2.14	0.49	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.50	2.14	0.29	0.08	0.37
Garber Wellington Aquifer	351632097200601	2.20	1.81	0.95	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.20	1.81	0.90	0.08	0.33
Garber Wellington Aquifer	351632097200601	2.10	1.65	3.37	0.08	2.92
Garber Wellington Aquifer	351632097200601	2.00	1.65	4.15	0.08	3.58
Garber Wellington Aquifer	351632097200601	2.00	1.65	5.02	0.08	4.11
Garber Wellington Aquifer	351632097200601	1.85	1.48	10.45	0.08	11.93
Garber Wellington Aquifer	351643097285002	0.48	0.41			3.78
Garber Wellington Aquifer	351643097285003	0.12	0.10			2.51
Garber Wellington Aquifer	351643097285004	0.12	0.10			1.89
Garber Wellington Aquifer	351715097032501	0.25	0.16	0.49		0.45
Garber Wellington Aquifer	351729097221301	2.99	3.04	0.62	0.09	0.58
Garber Wellington Aquifer	351729097221302	3.29	2.96	0.95	0.21	0.78
Garber Wellington Aquifer	351729097221302	3.74	3.95	0.82	0.08	0.86
Garber Wellington Aquifer	351729097221302	2.89	3.21	0.70	0.12	0.78
Garber Wellington Aquifer	351729097221302	2.89	3.04	0.62	0.12	0.66
Garber Wellington Aquifer	351729097221302	2.89	3.04	0.58	0.08	0.70
Garber Wellington Aquifer	351729097221302	3.24	3.21	0.62	0.08	0.70
Garber Wellington Aquifer	351729097221302	3.09	3.04	1.15	0.08	0.70
Garber Wellington Aquifer	351729097221302	3.09	2.96	0.74	0.08	0.62
Garber Wellington Aquifer	351729097221302	2.99	2.96	0.66	0.08	0.62
Garber Wellington Aquifer	351729097221302	2.94	3.04	0.70	0.08	0.66
Garber Wellington Aquifer	351729097221302	3.19	3.13	0.78	0.08	0.66
Garber Wellington Aquifer	351729097221302	3.09	3.13	0.70	0.08	0.66
Garber Wellington Aquifer	351729097221302	0.55	0.58	3.83	0.08	0.21
Garber Wellington Aquifer	351729097221302	0.40	0.41	4.44	0.08	0.66
Garber Wellington Aquifer	351729097221302	1.65	1.73	5.10	0.08	3.04
Garber Wellington Aquifer	351729097221302	2.50	2.39	3.99	0.08	2.84
Garber Wellington Aquifer	351729097221302	2.35	2.30	9.83	0.08	10.69
Garber Wellington Aquifer	351729097221302	0.28	0.24	10.28	0.19	8.23
Garber Wellington Aquifer	351817097155201	0.60	0.41	4.73	0.08	0.86
Garber Wellington Aquifer	351817097155201	1.10	0.90	5.22	0.08	2.10
Garber Wellington Aquifer	351817097155201	1.45	1.23	1.89	0.08	0.25
Garber Wellington Aquifer	351817097155201	1.25	1.07	2.02	0.08	0.21
Garber Wellington Aquifer	351817097155201	1.50	1.23	1.36	0.08	0.25
Garber Wellington Aquifer	351817097155201	2.50	2.14	0.37	0.08	0.37
Garber Wellington Aquifer	351817097155201	2.20	1.97	0.41	0.08	0.33
Garber Wellington Aquifer	351817097155201	2.45	2.14	0.37	0.08	0.33
Garber Wellington Aquifer	351817097155201	2.55	2.14	0.37	0.08	0.33

Water Analyses: Reliability Checks

Unit	Well ID	SO42- (meq/l)	HCO3- (meq/l)	Anion - Cation Balance (< 5%)	Hardness (< 5%)
Garber Wellington Aquifer	351543097200601	1.07		41.81%	1.92%
Garber Wellington Aquifer	351543097200601	0.82		59.48%	44.84%
Garber Wellington Aquifer	351543097200601	12.83		18.33%	88.57%
Garber Wellington Aquifer	351611097042001	2.39	3.83	36.38%	55.85%
Garber Wellington Aquifer	351624097082401	0.43	13.74	42.63%	2.38%
Garber Wellington Aquifer	351630097190001	1.65		28.72%	7.51%
Garber Wellington Aquifer	351632097200601	0.82		64.50%	9.96%
Garber Wellington Aquifer	351632097200601	0.82		64.94%	9.84%
Garber Wellington Aquifer	351632097200601	0.82		63.84%	5.04%
Garber Wellington Aquifer	351632097200601	0.82		63.37%	5.54%
Garber Wellington Aquifer	351632097200601	0.82		63.37%	8.91%
Garber Wellington Aquifer	351632097200601	0.82		64.12%	0.42%
Garber Wellington Aquifer	351632097200601	0.82		63.27%	11.77%
Garber Wellington Aquifer	351632097200601	0.82		63.51%	4.27%
Garber Wellington Aquifer	351632097200601	0.82		61.50%	11.49%
Garber Wellington Aquifer	351632097200601	0.82		62.76%	6.77%
Garber Wellington Aquifer	351632097200601	0.82		62.51%	12.47%
Garber Wellington Aquifer	351632097200601	1.65		22.37%	22.31%
Garber Wellington Aquifer	351632097200601	1.89		18.04%	29.64%
Garber Wellington Aquifer	351632097200601	2.55		13.49%	39.26%
Garber Wellington Aquifer	351632097200601	8.56		19.30%	30.91%
Garber Wellington Aquifer	351643097285002	44.01		96.35%	8.56%
Garber Wellington Aquifer	351643097285003	4.20		93.73%	8.56%
Garber Wellington Aquifer	351643097285004	3.04		91.58%	8.56%
Garber Wellington Aquifer	351715097032501	1.65		39.60%	29.50%
Garber Wellington Aquifer	351729097221301	0.76	14.36	39.84%	5.65%
Garber Wellington Aquifer	351729097221302	1.15		58.60%	12.20%
Garber Wellington Aquifer	351729097221302	1.07		63.28%	7.22%
Garber Wellington Aquifer	351729097221302	0.82	10.73	28.09%	18.83%
Garber Wellington Aquifer	351729097221302	0.82	10.63	28.92%	9.25%
Garber Wellington Aquifer	351729097221302	0.99	10.53	29.88%	12.56%
Garber Wellington Aquifer	351729097221302	0.82	9.93	23.12%	18.71%
Garber Wellington Aquifer	351729097221302	0.90		64.26%	12.10%
Garber Wellington Aquifer	351729097221302	0.90		63.76%	42.27%
Garber Wellington Aquifer	351729097221302	0.90		62.96%	16.42%
Garber Wellington Aquifer	351729097221302	0.99		60.90%	4.05%
Garber Wellington Aquifer	351729097221302	0.82		65.82%	18.45%
Garber Wellington Aquifer	351729097221302	0.99		61.94%	20.65%
Garber Wellington Aquifer	351729097221302	0.82		66.07%	73.45%
Garber Wellington Aquifer	351729097221302	1.15		49.34%	82.29%
Garber Wellington Aquifer	351729097221302	0.90		36.85%	39.26%
Garber Wellington Aquifer	351729097221302	1.23		37.47%	14.00%
Garber Wellington Aquifer	351729097221302	4.11		0.84%	10.52%
Garber Wellington Aquifer	351729097221302	2.55	12.26	35.41%	90.47%
Garber Wellington Aquifer	351817097155201	1.07		50.15%	78.58%
Garber Wellington Aquifer	351817097155201	1.97		28.44%	46.40%
Garber Wellington Aquifer	351817097155201	0.82		62.64%	34.87%
Garber Wellington Aquifer	351817097155201	0.90		59.80%	35.22%
Garber Wellington Aquifer	351817097155201	0.82		59.18%	23.22%
Garber Wellington Aquifer	351817097155201	0.82		62.01%	0.04%
Garber Wellington Aquifer	351817097155201	0.82		60.39%	8.47%
Garber Wellington Aquifer	351817097155201	0.90		60.64%	10.29%
Garber Wellington Aquifer	351817097155201	0.82		63.37%	30.22%

Water Analyses: Reliability Checks

Unit	Well ID	TDS (< 5%)	TDS180 (< 5%)	TDS (entered) vs. Cond. (<.55 & >.75)
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351611097042001			
Garber Wellington Aquifer	351624097082401			
Garber Wellington Aquifer	351630097190001	45.88%		
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351643097285002			
Garber Wellington Aquifer	351643097285003			
Garber Wellington Aquifer	351643097285004			
Garber Wellington Aquifer	351715097032501	34.21%		
Garber Wellington Aquifer	351729097221301			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			

Water Analyses: Reliability Checks

Unit	Well ID	TDS (calc.) vs. Cond. (<.55 & >.75)	Cond. Vs. sum meq cations (<90 & >110)	K+ / (Na+ + K+) (< 20%)
Garber Wellington Aquifer	351543097200601	0.29	96	4.08%
Garber Wellington Aquifer	351543097200601	0.29	78	10.53%
Garber Wellington Aquifer	351543097200601	0.46	114	0.37%
Garber Wellington Aquifer	351611097042001	0.65	103	12.86%
Garber Wellington Aquifer	351624097082401	0.90	88	12.70%
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601	0.23	94	22.22%
Garber Wellington Aquifer	351632097200601	0.23	92	22.22%
Garber Wellington Aquifer	351632097200601	0.24	93	22.22%
Garber Wellington Aquifer	351632097200601	0.23	95	22.22%
Garber Wellington Aquifer	351632097200601	0.23	93	22.22%
Garber Wellington Aquifer	351632097200601	0.22	97	18.18%
Garber Wellington Aquifer	351632097200601	0.24	93	15.38%
Garber Wellington Aquifer	351632097200601	0.24	92	14.29%
Garber Wellington Aquifer	351632097200601	0.23	93	22.22%
Garber Wellington Aquifer	351632097200601	0.24	93	8.00%
Garber Wellington Aquifer	351632097200601	0.23	99	8.33%
Garber Wellington Aquifer	351632097200601	0.32	104	2.38%
Garber Wellington Aquifer	351632097200601	0.33	107	1.94%
Garber Wellington Aquifer	351632097200601	0.35	105	1.61%
Garber Wellington Aquifer	351632097200601	0.44	117	0.78%
Garber Wellington Aquifer	351643097285002	0.36	1986	
Garber Wellington Aquifer	351643097285003	0.13	4070	
Garber Wellington Aquifer	351643097285004	0.08	4979	
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301	0.87	85	13.29%
Garber Wellington Aquifer	351729097221302	0.30	78	17.86%
Garber Wellington Aquifer	351729097221302	0.25	85	9.09%
Garber Wellington Aquifer	351729097221302	0.73	82	15.00%
Garber Wellington Aquifer	351729097221302	0.72	85	16.67%
Garber Wellington Aquifer	351729097221302	0.74	83	12.50%
Garber Wellington Aquifer	351729097221302	0.72	77	11.76%
Garber Wellington Aquifer	351729097221302	0.29	75	6.67%
Garber Wellington Aquifer	351729097221302	0.34	64	10.00%
Garber Wellington Aquifer	351729097221302	0.27	81	11.11%
Garber Wellington Aquifer	351729097221302	0.25	88	10.53%
Garber Wellington Aquifer	351729097221302	0.28	79	9.52%
Garber Wellington Aquifer	351729097221302	0.28	77	10.53%
Garber Wellington Aquifer	351729097221302	0.32	87	2.11%
Garber Wellington Aquifer	351729097221302	0.33	93	1.82%
Garber Wellington Aquifer	351729097221302	0.34	93	1.59%
Garber Wellington Aquifer	351729097221302	0.34	89	2.02%
Garber Wellington Aquifer	351729097221302	0.77	56	0.83%
Garber Wellington Aquifer	351729097221302	0.64	114	1.77%
Garber Wellington Aquifer	351817097155201	0.31	96	1.71%
Garber Wellington Aquifer	351817097155201	0.31	106	1.55%
Garber Wellington Aquifer	351817097155201	0.26	93	4.17%
Garber Wellington Aquifer	351817097155201	0.28	89	3.92%
Garber Wellington Aquifer	351817097155201	0.25	99	5.71%
Garber Wellington Aquifer	351817097155201	0.25	88	18.18%
Garber Wellington Aquifer	351817097155201	0.25	89	16.67%
Garber Wellington Aquifer	351817097155201	0.24	90	18.18%
Garber Wellington Aquifer	351817097155201	0.28	77	18.18%

Water Analyses: Reliability Checks

Unit	Well ID	Mg2+ / (Ca2+ + Mg2+) (< 40%)	Ca2+ / (Ca2+ + SO42-) (> 50%)	Na+ / (Na+ + Cl-) (> 50%)
Garber Wellington Aquifer	351543097200601	40.00%	76.36%	55.29%
Garber Wellington Aquifer	351543097200601	40.00%	80.77%	58.62%
Garber Wellington Aquifer	351543097200601	36.36%	4.29%	52.20%
Garber Wellington Aquifer	351611097042001	33.33%	47.27%	46.67%
Garber Wellington Aquifer	351624097082401	35.63%	91.50%	52.38%
Garber Wellington Aquifer	351630097190001	35.00%	66.10%	40.00%
Garber Wellington Aquifer	351632097200601	32.93%	84.62%	46.67%
Garber Wellington Aquifer	351632097200601	33.73%	84.62%	46.67%
Garber Wellington Aquifer	351632097200601	35.44%	83.61%	46.67%
Garber Wellington Aquifer	351632097200601	34.62%	83.61%	46.67%
Garber Wellington Aquifer	351632097200601	34.62%	83.61%	46.67%
Garber Wellington Aquifer	351632097200601	34.18%	83.87%	52.94%
Garber Wellington Aquifer	351632097200601	34.67%	83.05%	57.89%
Garber Wellington Aquifer	351632097200601	34.67%	83.05%	60.00%
Garber Wellington Aquifer	351632097200601	34.21%	83.33%	43.75%
Garber Wellington Aquifer	351632097200601	33.33%	81.48%	74.19%
Garber Wellington Aquifer	351632097200601	33.33%	81.48%	73.33%
Garber Wellington Aquifer	351632097200601	32.26%	67.74%	53.59%
Garber Wellington Aquifer	351632097200601	33.33%	63.49%	53.72%
Garber Wellington Aquifer	351632097200601	33.33%	56.34%	54.95%
Garber Wellington Aquifer	351632097200601	32.73%	26.24%	46.69%
Garber Wellington Aquifer	351643097285002	34.16%	1.76%	
Garber Wellington Aquifer	351643097285003	34.16%	4.39%	
Garber Wellington Aquifer	351643097285004	34.16%	5.95%	
Garber Wellington Aquifer	351715097032501	28.57%	20.00%	52.17%
Garber Wellington Aquifer	351729097221301	38.14%	86.71%	51.72%
Garber Wellington Aquifer	351729097221302	35.29%	82.50%	54.76%
Garber Wellington Aquifer	351729097221302	39.02%	85.23%	48.78%
Garber Wellington Aquifer	351729097221302	40.21%	85.29%	47.22%
Garber Wellington Aquifer	351729097221302	38.95%	85.29%	48.39%
Garber Wellington Aquifer	351729097221302	38.95%	82.86%	45.16%
Garber Wellington Aquifer	351729097221302	37.50%	86.67%	46.88%
Garber Wellington Aquifer	351729097221302	37.37%	84.93%	62.22%
Garber Wellington Aquifer	351729097221302	36.73%	84.93%	54.55%
Garber Wellington Aquifer	351729097221302	37.50%	84.51%	51.61%
Garber Wellington Aquifer	351729097221302	38.54%	83.10%	51.52%
Garber Wellington Aquifer	351729097221302	37.25%	86.49%	54.29%
Garber Wellington Aquifer	351729097221302	38.00%	83.78%	51.52%
Garber Wellington Aquifer	351729097221302	38.89%	52.38%	94.90%
Garber Wellington Aquifer	351729097221302	38.46%	36.36%	87.10%
Garber Wellington Aquifer	351729097221302	38.89%	75.00%	62.63%
Garber Wellington Aquifer	351729097221302	36.71%	76.92%	58.43%
Garber Wellington Aquifer	351729097221302	37.33%	48.45%	47.90%
Garber Wellington Aquifer	351729097221302	34.12%	15.30%	55.56%
Garber Wellington Aquifer	351817097155201	29.41%	48.00%	84.56%
Garber Wellington Aquifer	351817097155201	33.33%	47.83%	71.35%
Garber Wellington Aquifer	351817097155201	34.09%	74.36%	88.46%
Garber Wellington Aquifer	351817097155201	34.21%	69.44%	90.74%
Garber Wellington Aquifer	351817097155201	33.33%	75.00%	84.62%
Garber Wellington Aquifer	351817097155201	34.21%	83.33%	50.00%
Garber Wellington Aquifer	351817097155201	35.29%	81.48%	55.56%
Garber Wellington Aquifer	351817097155201	34.67%	81.67%	52.94%
Garber Wellington Aquifer	351817097155201	33.77%	83.61%	52.94%

Water Analyses: Reliability Checks

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351817097155201	7/29/1986	535	163.1
Garber Wellington Aquifer	351817097155201	7/29/1986	555	169.2
Garber Wellington Aquifer	351817097155201	7/29/1986	655	199.6
Garber Wellington Aquifer	351817097155201	7/29/1986	715	217.9
Garber Wellington Aquifer	351817097155201	10/7/1987		
Garber Wellington Aquifer	351858097124801	8/20/1986		
Garber Wellington Aquifer	352028097283201	10/17/1985		
Garber Wellington Aquifer	352043097282001	4/19/1988		
Garber Wellington Aquifer	352054097322101	10/24/1985		
Garber Wellington Aquifer	352123097282301	4/19/1988		
Garber Wellington Aquifer	352142097103501	6/17/1988	257.5	78.5
Garber Wellington Aquifer	352142097103501	6/20/1988	156.2	47.6
Garber Wellington Aquifer	352142097103501	6/21/1988	101	30.8
Garber Wellington Aquifer	352142097103501	6/23/1988	189	57.6
Garber Wellington Aquifer	352148097322101	10/24/1985		
Garber Wellington Aquifer	352148097332101	10/24/1985		
Garber Wellington Aquifer	352326097044801	6/2/1988		
Garber Wellington Aquifer	352353097273501	12/8/1982	152	46.3
Garber Wellington Aquifer	352353097273502	12/8/1982	645	196.6
Garber Wellington Aquifer	352353097273503	12/8/1982	778	237.1
Garber Wellington Aquifer	352515097370801	4/11/1988		
Garber Wellington Aquifer	352536097072501	8/18/1986		
Garber Wellington Aquifer	352550097055401	8/28/1987		
Garber Wellington Aquifer	352550097055401	4/18/1988		
Garber Wellington Aquifer	352704097220601	11/5/1980		
Garber Wellington Aquifer	352704097220601	4/16/1983		
Garber Wellington Aquifer	352704097220601	2/12/1985		
Garber Wellington Aquifer	352717097261601	10/24/1985		
Garber Wellington Aquifer	352748097251401	11/5/1980		
Garber Wellington Aquifer	352748097251401	4/16/1983		
Garber Wellington Aquifer	352748097251401	11/28/1984		
Garber Wellington Aquifer	352749097192301	8/11/1987		
Garber Wellington Aquifer	352749097192301	4/26/1988		
Wellington Formation	351212097045601	9/3/1987		
Wellington Formation	352327097040101	6/2/1988		
Wellington Formation	351433097004401	6/14/1988		
Wellington Formation	353236097072801	5/24/1988		
Wellington Formation	353909097100101	6/21/1988		
Wellington Formation	353931097103301	7/8/1988		
Wellington Formation	353947097111501	8/25/1987		
Wellington Formation	354008097190901	5/11/1988		
Wellington Formation	354203097114301	6/21/1988		
Wellington Formation	354341097042101	11/3/1989		
Wellington Formation	354706097051001	6/29/1988		
Wellington Formation	354748097050001	11/2/1989		
Wellington Formation	354936097052701	10/31/1989		
Wellington Formation	355039097041401	6/28/1988		
Wellington Formation	355206097090101	5/23/1988		
Wellington Formation	355444097071301	6/20/1988		

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (mmol/l)	Mg2+ (mmol/l)	Na+ (mmol/l)	K+ (mmol/l)
Garber Wellington Aquifer	351817097155201	1.25	1.07	0.21	0.08
Garber Wellington Aquifer	351817097155201	1.32	1.11	0.21	0.08
Garber Wellington Aquifer	351817097155201	3.64	2.18	60.88	0.16
Garber Wellington Aquifer	351817097155201	3.87	2.30	62.52	0.16
Garber Wellington Aquifer	351817097155201	1.07	1.07	0.49	0.01
Garber Wellington Aquifer	351858097124801	0.55	0.41	0.41	
Garber Wellington Aquifer	352028097283201	0.92	0.79		
Garber Wellington Aquifer	352043097282001	0.35	0.49	4.52	0.05
Garber Wellington Aquifer	352054097322101	0.51	0.44		
Garber Wellington Aquifer	352123097282301	0.27	0.39	3.46	0.06
Garber Wellington Aquifer	352142097103501	1.17	1.03	0.41	0.09
Garber Wellington Aquifer	352142097103501	1.12	0.99	0.37	0.04
Garber Wellington Aquifer	352142097103501	1.10	0.95	0.41	0.06
Garber Wellington Aquifer	352142097103501	1.05	0.90	0.40	0.07
Garber Wellington Aquifer	352148097322101	0.95	0.81		
Garber Wellington Aquifer	352148097332101	0.79	0.68		
Garber Wellington Aquifer	352326097044801	1.25	0.90	2.02	0.04
Garber Wellington Aquifer	352353097273501	2.18	1.87		
Garber Wellington Aquifer	352353097273502	0.06	0.05		
Garber Wellington Aquifer	352353097273503	0.46	0.40		
Garber Wellington Aquifer	352515097370801	0.05	0.03	6.17	0.02
Garber Wellington Aquifer	352536097072501	0.37	0.37	0.74	
Garber Wellington Aquifer	352550097055401	0.62	0.53	3.99	0.05
Garber Wellington Aquifer	352550097055401	0.82	0.70	2.06	0.05
Garber Wellington Aquifer	352704097220601	1.14	0.98		
Garber Wellington Aquifer	352704097220601	1.03	0.89		
Garber Wellington Aquifer	352704097220601	1.24	1.06		
Garber Wellington Aquifer	352717097261601	1.40	1.20		
Garber Wellington Aquifer	352748097251401	1.15	0.99		
Garber Wellington Aquifer	352748097251401	1.05	0.90		
Garber Wellington Aquifer	352748097251401	1.19	1.02		
Garber Wellington Aquifer	352749097192301	1.10	0.86	0.25	0.06
Garber Wellington Aquifer	352749097192301	1.10	0.90	0.24	0.06
Wellington Formation	351212097045601	0.21	0.21	2.67	0.08
Wellington Formation	352327097040101	1.40	0.86	1.73	0.62
Wellington Formation	351433097004401	1.87	1.81	0.70	0.05
Wellington Formation	353236097072801	0.72	0.58	0.70	0.03
Wellington Formation	353909097100101	0.57	0.45	0.27	0.03
Wellington Formation	353931097103301	1.05	0.95	0.35	0.03
Wellington Formation	353947097111501	1.05	0.86	5.35	0.09
Wellington Formation	354008097190901	0.77	1.07	20.98	0.07
Wellington Formation	354203097114301	0.30	0.29	0.62	0.05
Wellington Formation	354341097042101	0.72	0.62	4.69	
Wellington Formation	354706097051001	0.04	0.03	11.11	0.03
Wellington Formation	354748097050001	1.62	1.28	1.36	
Wellington Formation	354936097052701	0.12	0.08	3.91	
Wellington Formation	355039097041401	2.22	3.00	11.93	0.11
Wellington Formation	355206097090101	1.35	1.23	0.66	0.02
Wellington Formation	355444097071301	1.35	1.28	2.55	0.04

Water Analyses: Reliability Checks

Unit	Well ID	Cl- (mmol/l)	SO42- (mmol/l)	SiO2 (mmol/l)	HCO3- (mmol/l)
Garber Wellington Aquifer	351817097155201	0.33	0.41	0.21	
Garber Wellington Aquifer	351817097155201	0.37	0.41	0.21	
Garber Wellington Aquifer	351817097155201	33.32	90.49	0.16	
Garber Wellington Aquifer	351817097155201	34.88	86.38	0.16	
Garber Wellington Aquifer	351817097155201	0.58	0.20	0.38	10.65
Garber Wellington Aquifer	351858097124801	0.66	0.82		
Garber Wellington Aquifer	352028097283201	0.41	0.82		
Garber Wellington Aquifer	352043097282001	0.34	0.41	0.49	12.71
Garber Wellington Aquifer	352054097322101	1.52	0.82		
Garber Wellington Aquifer	352123097282301	0.24	0.36	0.53	10.74
Garber Wellington Aquifer	352142097103501	0.38	0.28	0.45	10.74
Garber Wellington Aquifer	352142097103501	0.30	0.20	0.62	10.65
Garber Wellington Aquifer	352142097103501	0.24	0.17	0.53	10.53
Garber Wellington Aquifer	352142097103501	0.21	0.70	0.39	9.95
Garber Wellington Aquifer	352148097322101	3.41	1.36		
Garber Wellington Aquifer	352148097332101	0.62	0.82		
Garber Wellington Aquifer	352326097044801	1.44	1.48	0.58	10.53
Garber Weliington Aquifer	352353097273501	7.32	1.11		
Garber Wellington Aquifer	352353097273502	3.08	0.82		
Garber Wellington Aquifer	352353097273503	0.41	0.82		
Garber Wellington Aquifer	352515097370801	0.24	1.07	0.45	12.83
Garber Wellington Aquifer	352536097072501	1.40	0.95		
Garber Wellington Aquifer	352550097055401	2.84	1.07	0.49	9.62
Garber Wellington Aquifer	352550097055401	1.93	0.62	0.66	8.64
Garber Wellington Aquifer	352704097220601	0.21	0.41		
Garber Wellington Aquifer	352704097220601	0.41	0.82		
Garber Wellington Aquifer	352704097220601	0.41	0.82		
Garber Wellington Aquifer	352717097261601	0.45	0.82		
Garber Wellington Aquifer	352748097251401	0.12	0.41		
Garber Wellington Aquifer	352748097251401	0.41	0.82		
Garber Wellington Aquifer	352748097251401	0.41	0.82		
Garber Wellington Aquifer	352749097192301	0.40	0.21	0.45	9.42
Garber Wellington Aquifer	352749097192301	0.39	0.24	0.45	9.42
Wellington Formation	351212097045601	1.03	0.90	0.90	5.84
Wellington Formation	352327097040101	3.17	1.73	0.74	2.51
Wellington Formation	351433097004401	0.78	0.74	0.82	17.07
Wellington Formation	353236097072801	2.06	1.03	0.62	3.70
Wellington Formation	353909097100101	0.21	0.53	0.95	4.52
Wellington Formation	353931097103301				8.84
Wellington Formation	353947097111501	4.94	1.93	0.62	12.83
Wellington Formation	354008097190901	24.27	6.99	0.49	14.07
Wellington Formation	354203097114301	0.53	1.03	0.62	2.18
Wellington Formation	354341097042101	1.15	0.82		18.76
Wellington Formation	354706097051001	0.86	2.92	0.40	20.94
Wellington Formation	354748097050001	2.71	0.82		11.23
Wellington Formation	354936097052701	0.49	0.82		11.02
Wellington Formation	355039097041401	7.82	9.87	0.58	19.09
Wellington Formation	355206097090101	0.70	1.03	0.78	10.94
Wellington Formation	355444097071301	1.32	1.11	0.78	15.92

Water Analyses: Reliability Checks

Unit	Well ID	Ca2+ (meq/l)	Mg2+ (meq/l)	Na+ (meq/l)	K+ (meq/l)	Cl- (meq/l)
Garber Wellington Aquifer	351817097155201	2.50	2.14	0.21	0.08	0.33
Garber Wellington Aquifer	351817097155201	2.64	2.22	0.21	0.08	0.37
Garber Wellington Aquifer	351817097155201	7.29	4.36	60.88	0.16	33.32
Garber Wellington Aquifer	351817097155201	7.73	4.61	62.52	0.16	34.88
Garber Wellington Aquifer	351817097155201	2.15	2.14	0.49	0.01	0.58
Garber Wellington Aquifer	351858097124801	1.10	0.82	0.41		0.66
Garber Wellington Aquifer	352028097283201	1.85	1.58			0.41
Garber Wellington Aquifer	352043097282001	0.70	0.99	4.52	0.05	0.34
Garber Wellington Aquifer	352054097322101	1.03	0.88			1.52
Garber Wellington Aquifer	352123097282301	0.55	0.78	3.46	0.06	0.24
Garber Wellington Aquifer	352142097103501	2.35	2.06	0.41	0.09	0.38
Garber Wellington Aquifer	352142097103501	2.25	1.97	0.37	0.04	0.30
Garber Wellington Aquifer	352142097103501	2.20	1.89	0.41	0.06	0.24
Garber Wellington Aquifer	352142097103501	2.10	1.81	0.40	0.07	0.21
Garber Wellington Aquifer	352148097322101	1.89	1.62			3.41
Garber Wellington Aquifer	352148097332101	1.58	1.35			0.62
Garber Wellington Aquifer	352326097044801	2.50	1.81	2.02	0.04	1.44
Garber Wellington Aquifer	352353097273501	4.36	3.73			7.32
Garber Wellington Aquifer	352353097273502	0.12	0.10			3.08
Garber Wellington Aquifer	352353097273503	0.92	0.79			0.41
Garber Wellington Aquifer	352515097370801	0.10	0.06	6.17	0.02	0.24
Garber Wellington Aquifer	352536097072501	0.75	0.74	0.74		1.40
Garber Wellington Aquifer	352550097055401	1.25	1.07	3.99	0.05	2.84
Garber Wellington Aquifer	352550097055401	1.65	1.40	2.06	0.05	1.93
Garber Wellington Aquifer	352704097220601	2.28	1.95			0.21
Garber Wellington Aquifer	352704097220601	2.07	1.77			0.41
Garber Wellington Aquifer	352704097220601	2.48	2.12			0.41
Garber Wellington Aquifer	352717097261601	2.81	2.40			0.45
Garber Wellington Aquifer	352748097251401	2.30	1.97			0.12
Garber Wellington Aquifer	352748097251401	2.10	1.80			0.41
Garber Wellington Aquifer	352748097251401	2.37	2.03			0.41
Garber Wellington Aquifer	352749097192301	2.20	1.73	0.25	0.06	0.40
Garber Wellington Aquifer	352749097192301	2.20	1.81	0.24	0.06	0.39
Wellington Formation	351212097045601	0.41	0.42	2.67	0.08	1.03
Wellington Formation	352327097040101	2.79	1.73	1.73	0.62	3.17
Wellington Formation	351433097004401	3.74	3.62	0.70	0.05	0.78
Wellington Formation	353236097072801	1.45	1.15	0.70	0.03	2.06
Wellington Formation	353909097100101	1.15	0.90	0.27	0.03	0.21
Wellington Formation	353931097103301	2.10	1.89	0.35	0.03	
Wellington Formation	353947097111501	2.10	1.73	5.35	0.09	4.94
Wellington Formation	354008097190901	1.55	2.14	20.98	0.07	24.27
Wellington Formation	354203097114301	0.60	0.58	0.62	0.05	0.53
Wellington Formation	354341097042101	1.45	1.23	4.69		1.15
Wellington Formation	354706097051001	0.08	0.06	11.11	0.03	0.86
Wellington Formation	354748097050001	3.24	2.55	1.36		2.71
Wellington Formation	354936097052701	0.25	0.16	3.91		0.49
Wellington Formation	355039097041401	4.44	6.01	11.93	0.11	7.82
Wellington Formation	355206097090101	2.69	2.47	0.66	0.02	0.70
Wellington Formation	355444097071301	2.69	2.55	2.55	0.04	1.32

Water Analyses: Reliability Checks

Unit	Well ID	SO42- (meq/l)	HCO3- (meq/l)	Anion - Cation Balance (< 5%)	Hardness (< 5%)
Garber Wellington Aquifer	351817097155201	0.82		62.08%	38.04%
Garber Wellington Aquifer	351817097155201	0.82		62.41%	17.64%
Garber Wellington Aquifer	351817097155201	180.98		49.35%	238.84%
Garber Wellington Aquifer	351817097155201	172.75		46.91%	243.12%
Garber Wellington Aquifer	351817097155201	0.39	10.65	41.63%	1.14%
Garber Wellington Aquifer	351858097124801	1.65		0.61%	0.92%
Garber Wellington Aquifer	352028097283201	1.65		25.00%	8.56%
Garber Wellington Aquifer	352043097282001	0.81	12.71	37.82%	71.30%
Garber Wellington Aquifer	352054097322101	1.65		24.79%	8.56%
Garber Wellington Aquifer	352123097282301	0.72	10.74	41.41%	72.03%
Garber Wellington Aquifer	352142097103501	0.57	10.74	40.91%	
Garber Wellington Aquifer	352142097103501	0.39	10.65	42.09%	
Garber Wellington Aquifer	352142097103501	0.35	10.53	41.84%	
Garber Wellington Aquifer	352142097103501	1.40	9.95	45.06%	
Garber Wellington Aquifer	352148097322101	2.71		27.11%	8.56%
Garber Wellington Aquifer	352148097332101	1.65		12.84%	8.56%
Garber Wellington Aquifer	352326097044801	2.96	10.53	40.25%	2.59%
Garber Wellington Aquifer	352353097273501	2.22		8.23%	8.56%
Garber Wellington Aquifer	352353097273502	1.65		91.23%	8.56%
Garber Wellington Aquifer	352353097273503	1.65		9.09%	8.56%
Garber Wellington Aquifer	352515097370801	2.14	12.83	41.08%	97.23%
Garber Wellington Aquifer	352536097072501	1.89		19.23%	3.49%
Garber Wellington Aquifer	352550097055401	2.14	9.62	39.34%	39.61%
Garber Wellington Aquifer	352550097055401	1.23	8.64	39.21%	11.40%
Garber Wellington Aquifer	352704097220601	0.82		60.89%	8.56%
Garber Wellington Aquifer	352704097220601	1.65		30.24%	8.56%
Garber Wellington Aquifer	352704097220601	1.65		38.20%	8.56%
Garber Wellington Aquifer	352717097261601	1.65		42.56%	8.56%
Garber Wellington Aquifer	352748097251401	0.82		63.75%	8.56%
Garber Wellington Aquifer	352748097251401	1.65		31.00%	8.56%
Garber Wellington Aquifer	352748097251401	1.65		36.33%	8.56%
Garber Wellington Aquifer	352749097192301	0.43	9.42	41.58%	4.43%
Garber Wellington Aquifer	352749097192301	0.49	9.42	41.08%	6.62%
Wellington Formation	351212097045601	1.81	5.84	41.48%	64.03%
Wellington Formation	352327097040101	3.46	2.51	14.16%	352.60%
Wellington Formation	351433097004401	1.48	17.07	40.91%	8.36%
Wellington Formation	353236097072801	2.06	3.70	40.23%	75.75%
Wellington Formation	353909097100101	1.07	4.52	42.31%	11.66%
Wellington Formation	353931097103301		8.84	33.93%	13.39%
Wellington Formation	353947097111501	3.87	12.83	40.03%	25.26%
Wellington Formation	354008097190901	13.98	14.07	35.81%	34.12%
Wellington Formation	354203097114301	2.06	2.18	44.32%	33.60%
Wellington Formation	354341097042101	1.65	18.76	49.04%	64.12%
Wellington Formation	354706097051001	5.84	20.94	42.04%	98.47%
Wellington Formation	354748097050001	1.65	11.23	37.11%	
Wellington Formation	354936097052701	1.65	11.02	50.56%	91.07%
Wellington Formation	355039097041401	19.74	19.09	34.95%	37.58%
Wellington Formation	355206097090101	2.06	10.94	40.24%	18.51%
Wellington Formation	355444097071301	2.22	15.92	42.57%	17.20%

Water Analyses: Reliability Checks

Unit	Well ID	TDS (< 5%)	TDS180 (< 5%)	TDS (entered) vs. Cond. (<.55 & >.75)
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351858097124801	37.10%		
Garber Wellington Aquifer	352028097283201			
Garber Wellington Aquifer	352043097282001			
Garber Wellington Aquifer	352054097322101			
Garber Wellington Aquifer	352123097282301			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352142097103501			
Garber Wellington Aquifer	352148097322101			
Garber Wellington Aquifer	352148097332101			
Garber Wellington Aquifer	352326097044801			
Garber Wellington Aquifer	352353097273501			
Garber Wellington Aquifer	352353097273502			
Garber Wellington Aquifer	352353097273503			
Garber Wellington Aquifer	352515097370801			
Garber Wellington Aquifer	352536097072501	34.44%		
Garber Wellington Aquifer	352550097055401			
Garber Wellington Aquifer	352550097055401			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352717097261601			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352748097251401			
Garber Wellington Aquifer	352749097192301			
Garber Wellington Aquifer	352749097192301			
Wellington Formation	351212097045601			
Wellington Formation	352327097040101			
Wellington Formation	351433097004401			
Wellington Formation	353236097072801			
Wellington Formation	353909097100101			
Wellington Formation	353931097103301			
Wellington Formation	353947097111501			
Wellington Formation	354008097190901			
Wellington Formation	354203097114301			
Wellington Formation	354341097042101			
Wellington Formation	354706097051001			
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401			
Wellington Formation	355206097090101			
Wellington Formation	355444097071301			

Water Analyses: Reliability Checks

Unit	Well ID	TDS (calc.) vs. Cond. (<.55 & >.75)	Cond. Vs. sum meq cations (<90 & >110)	K+ / (Na+ + K+) (< 20%)
Garber Wellington Aquifer	351817097155201	0.27	79	28.57%
Garber Wellington Aquifer	351817097155201	0.23	92	28.57%
Garber Wellington Aquifer	351817097155201	0.68	94	0.27%
Garber Wellington Aquifer	351817097155201	0.66	95	0.26%
Garber Wellington Aquifer	351817097155201	0.84	91	2.44%
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352028097283201	0.20	127	
Garber Wellington Aquifer	352043097282001	0.85	90	0.99%
Garber Wellington Aquifer	352054097322101	0.12	371	
Garber Wellington Aquifer	352123097282301	0.86	94	1.64%
Garber Wellington Aquifer	352142097103501	0.94	81	18.18%
Garber Wellington Aquifer	352142097103501	0.91	87	9.18%
Garber Wellington Aquifer	352142097103501	0.87	91	12.28%
Garber Wellington Aquifer	352142097103501	0.91	87	15.65%
Garber Wellington Aquifer	352148097322101	0.25	201	
Garber Wellington Aquifer	352148097332101	0.19	149	
Garber Wellington Aquifer	352326097044801	0.74	99	2.00%
Garber Wellington Aquifer	352353097273501	0.17	245	
Garber Wellington Aquifer	352353097273502	0.09	4785	
Garber Wellington Aquifer	352353097273503	0.20	168	
Garber Wellington Aquifer	352515097370801	0.82	97	0.33%
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401	0.75	101	1.22%
Garber Wellington Aquifer	352550097055401	0.61	123	2.53%
Garber Wellington Aquifer	352704097220601	0.23	86	
Garber Wellington Aquifer	352704097220601	0.22	109	
Garber Wellington Aquifer	352704097220601	0.29	80	
Garber Wellington Aquifer	352717097261601	0.28	79	
Garber Wellington Aquifer	352748097251401	0.15	132	
Garber Wellington Aquifer	352748097251401	0.24	101	
Garber Wellington Aquifer	352748097251401	0.31	75	
Garber Wellington Aquifer	352749097192301	0.86	90	18.92%
Garber Wellington Aquifer	352749097192301	0.86	89	19.44%
Wellington Formation	351212097045601	0.81	101	2.99%
Wellington Formation	352327097040101	0.45	107	26.32%
Wellington Formation	351433097004401	0.86	87	6.08%
Wellington Formation	353236097072801	0.69	105	4.49%
Wellington Formation	353909097100101	0.93	88	9.59%
Wellington Formation	353931097103301			7.69%
Wellington Formation	353947097111501	0.76	98	1.74%
Wellington Formation	354008097190901	0.62	109	0.31%
Wellington Formation	354203097114301	0.74	103	7.41%
Wellington Formation	354341097042101	0.87	103	
Wellington Formation	354706097051001	0.81	97	0.26%
Wellington Formation	354748097050001	0.63	109	
Wellington Formation	354936097052701	0.89	105	
Wellington Formation	355039097041401	0.58	105	0.92%
Wellington Formation	355206097090101	0.81	90	2.44%
Wellington Formation	355444097071301	0.88	89	1.59%

Water Analyses: Reliability Checks

Unit	Well ID	Mg2+ / (Ca2+ + Mg2+) (< 40%)	Ca2+ / (Ca2+ + SO42-) (> 50%)	Na+ / (Na+ + Cl-) (> 50%)
Garber Wellington Aquifer	351817097155201	34.21%	83.33%	38.46%
Garber Wellington Aquifer	351817097155201	33.75%	84.13%	35.71%
Garber Wellington Aquifer	351817097155201	26.63%	6.22%	64.63%
Garber Wellington Aquifer	351817097155201	26.54%	6.87%	64.19%
Garber Wellington Aquifer	351817097155201	37.68%	89.96%	46.15%
Garber Wellington Aquifer	351858097124801	31.25%	52.38%	38.46%
Garber Wellington Aquifer	352028097283201	34.16%	64.92%	
Garber Wellington Aquifer	352043097282001	46.15%	58.58%	92.98%
Garber Wellington Aquifer	352054097322101	34.16%	50.76%	
Garber Wellington Aquifer	352123097282301	46.34%	55.84%	93.54%
Garber Wellington Aquifer	352142097103501	34.72%	87.20%	51.56%
Garber Wellington Aquifer	352142097103501	34.78%	90.36%	55.28%
Garber Wellington Aquifer	352142097103501	34.33%	91.29%	63.29%
Garber Wellington Aquifer	352142097103501	34.38%	71.19%	65.54%
Garber Wellington Aquifer	352148097322101	34.16%	53.49%	
Garber Wellington Aquifer	352148097332101	34.16%	61.26%	
Garber Wellington Aquifer	352326097044801	30.56%	58.14%	58.33%
Garber Weliington Aquifer	352353097273501	34.16%	76.40%	
Garber Wellington Aquifer	352353097273502	34.16%	10.49%	
Garber Wellington Aquifer	352353097273503	34.16%	48.06%	
Garber Wellington Aquifer	352515097370801	28.06%	7.14%	96.22%
Garber Wellington Aquifer	352536097072501	37.50%	39.47%	34.62%
Garber Wellington Aquifer	352550097055401	34.21%	49.02%	58.43%
Garber Wellington Aquifer	352550097055401	34.00%	68.75%	51.55%
Garber Wellington Aquifer	352704097220601	34.16%	82.04%	
Garber Wellington Aquifer	352704097220601	34.16%	67.46%	
Garber Wellington Aquifer	352704097220601	34.16%	71.29%	
Garber Wellington Aquifer	352717097261601	34.16%	73.76%	
Garber Wellington Aquifer	352748097251401	34.16%	82.19%	
Garber Wellington Aquifer	352748097251401	34.16%	67.83%	
Garber Wellington Aquifer	352748097251401	34.16%	70.40%	
Garber Wellington Aquifer	352749097192301	32.31%	89.43%	38.22%
Garber Wellington Aquifer	352749097192301	33.33%	88.18%	37.66%
Wellington Formation	351212097045601	38.06%	27.39%	72.22%
Wellington Formation	352327097040101	27.27%	57.14%	35.29%
Wellington Formation	351433097004401	36.97%	80.65%	47.22%
Wellington Formation	353236097072801	32.56%	53.70%	25.37%
Wellington Formation	353909097100101	32.35%	63.89%	56.41%
Wellington Formation	353931097103301	35.38%	100.00%	100.00%
Wellington Formation	353947097111501	33.33%	47.19%	52.00%
Wellington Formation	354008097190901	45.61%	15.42%	46.36%
Wellington Formation	354203097114301	36.84%	32.43%	53.57%
Wellington Formation	354341097042i01	34.09%	59.18%	80.28%
Wellington Formation	354706097051001	30.33%	2.34%	92.78%
Wellington Formation	354748097050001	32.29%	76.47%	33.33%
Wellington Formation	354936097052701	28.57%	20.00%	88.79%
Wellington Formation	355039097041401	45.06%	27.05%	60.42%
Wellington Formation	355206097090101	35.71%	68.35%	48.48%
Wellington Formation	355444097071301	36.47%	66.67%	65.96%

Appendix C

Water Analysis Data for Trace Elements

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	350001097130101	7/5/1988		
Garber Sandstone	350003097090101	7/5/1988		
Garber Sandstone	351027097131401	6/22/1988		
Garber Sandstone	351106097155201	10/2/1987		
Garber Sandstone	351106097155202	9/23/1986	155.0	47.2
Garber Sandstone	351106097155202	9/23/1986	225.0	68.6
Garber Sandstone	351106097155202	9/23/1986	265.0	80.8
Garber Sandstone	351106097155202	9/23/1986	346.0	105.5
Garber Sandstone	351106097155202	9/11/1987		
Garber Sandstone	351314097254701	7/31/1987		
Garber Sandstone	351315097254201	7/20/1989	330.1	100.6
Garber Sandstone	351315097254201	8/8/1989	407.5	124.2
Garber Sandstone	351315097254201	9/20/1989	480.0	146.3
Garber Sandstone	351315097254301	2/17/1989	262.7	80.1
Garber Sandstone	351331097255501	3/8/1943		
Garber Sandstone	351409097231801	7/29/1987		
Garber Sandstone	351617097072801	6/7/1988		
Garber Sandstone	351638097175301	6/23/1988		
Garber Sandstone	351648097285101	7/31/1987		
Garber Sandstone	351651097185901	7/11/1988		
Garber Sandstone	351823097215701	7/12/1988		
Garber Sandstone	351912097193601	6/1/1988		
Garber Sandstone	351926097293001	8/4/1987		
Garber Sandstone	352145097345901	8/6/1987		
Garber Sandstone	352330097264301	4/16/1943		
Garber Sandstone	352433097262401	11/18/1988		
Garber Sandstone	352434097223101	10/17/1951		
Garber Sandstone	352448097222901	10/10/1951		
Garber Sandstone	352450097241701	10/10/1951		
Garber Sandstone	352518097270601	8/10/1987		
Garber Sandstone	352519097222501	4/26/1988		
Garber Sandstone	352520097280601	11/10/1988		
Garber Sandstone	352531097262101	11/18/1988		
Garber Sandstone	352535097224701	10/17/1951		
Garber Sandstone	352535097303301	11/30/1988	515.0	157.0
Garber Sandstone	352605097375701	8/6/1987		
Garber Sandstone	352614097231401	10/10/1951		
Garber Sandstone	352622097103401	7/8/1988		
Garber Sandstone	352631097313101	11/14/1988		
Garber Sandstone	352639097083401	6/22/1988		
Garber Sandstone	352703097302401	2/6/1986	148.0	45.1
Garber Sandstone	352703097302401	2/6/1986	155.0	47.2
Garber Sandstone	352703097302401	2/6/1986	245.0	74.7
Garber Sandstone	352703097302401	2/6/1986	315.0	96.0

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Sandstone	350001097130101	0.0100	0.0010	0.0010	0.2100
Garber Sandstone	350003097090101	0.0100	0.0010	0.0010	0.2000
Garber Sandstone	351027097131401	0.0100	0.0010	0.0010	0.5000
Garber Sandstone	351106097155201	0.0200		0.0010	0.1400
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202	0.0100		0.0010	0.2800
Garber Sandstone	351314097254701	0.0500		0.0520	0.0290
Garber Sandstone	351315097254201	0.0100		0.0510	0.0130
Garber Sandstone	351315097254201	0.0100		0.0200	0.0390
Garber Sandstone	351315097254201	0.0300		0.0090	0.0330
Garber Sandstone	351315097254301	0.1400		0.0330	0.0160
Garber Sandstone	351331097255501				
Garber Sandstone	351409097231801	0.0100		0.0020	0.2100
Garber Sandstone	351617097072801	0.0100	0.0010	0.0010	0.0970
Garber Sandstone	351638097175301	0.0100	0.0010	0.0010	0.6300
Garber Sandstone	351648097285101	0.0100		0.0440	0.0870
Garber Sandstone	351651097185901	0.0100	0.0010	0.0010	0.6700
Garber Sandstone	351823097215701	0.0100	0.0010	0.0010	0.7700
Garber Sandstone	351912097193601	0.0100	0.0010	0.0020	0.5600
Garber Sandstone	351926097293001	0.0100		0.0190	0.2200
Garber Sandstone	352145097345901	0.0100		0.0430	0.0620
Garber Sandstone	352330097264301				
Garber Sandstone	352433097262401	0.0100	0.0010	0.0010	0.8700
Garber Sandstone	352434097223101				
Garber Sandstone	352448097222901				
Garber Sandstone	352450097241701				
Garber Sandstone	352518097270601	0.0100		0.0010	0.4400
Garber Sandstone	352519097222501	0.0100	0.0010	0.0080	0.4100
Garber Sandstone	352520097280601	0.0100	0.0010	0.0010	0.3800
Garber Sandstone	352531097262101	0.0100	0.0010	0.0020	6.4000
Garber Sandstone	352535097224701				
Garber Sandstone	352535097303301	0.0100	0.0010	0.0010	1.7000
Garber Sandstone	352605097375701	0.0100		0.0750	0.0430
Garber Sandstone	352614097231401				
Garber Sandstone	352622097103401	0.0100	0.0010	0.0010	0.1800
Garber Sandstone	352631097313101	0.0100	0.0010	0.0020	0.3700
Garber Sandstone	352639097083401	0.0100	0.0010	0.0010	0.1100
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Sandstone	350001097130101	0.0005	0.0800	0.0010
Garber Sandstone	350003097090101	0.0005	0.0700	0.0010
Garber Sandstone	351027097131401	0.0005	0.0600	0.0010
Garber Sandstone	351106097155201	0.0005	0.6500	0.0010
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202			
Garber Sandstone	351106097155202	0.0005	0.5250	0.0010
Garber Sandstone	351314097254701	0.0005	4.4000	0.0010
Garber Sandstone	351315097254201	0.0005	3.7000	0.0010
Garber Sandstone	351315097254201	0.0005	1.5000	0.0010
Garber Sandstone	351315097254201	0.0005	0.7600	0.0010
Garber Sandstone	351315097254301	0.0005	2.4000	0.0010
Garber Sandstone	351331097255501		1.1300	
Garber Sandstone	351409097231801	0.0005	0.4600	0.0010
Garber Sandstone	351617097072801	0.0005	0.1000	0.0010
Garber Sandstone	351638097175301	0.0005	0.0300	0.0010
Garber Sandstone	351648097285101	0.0005	1.0000	0.0010
Garber Sandstone	351651097185901	0.0005	0.0300	0.0010
Garber Sandstone	351823097215701	0.0005	0.0700	0.0010
Garber Sandstone	351912097193601	0.0005	0.0300	0.0010
Garber Sandstone	351926097293001	0.0010	1.1000	0.0010
Garber Sandstone	352145097345901	0.0007	0.8300	0.0010
Garber Sandstone	352330097264301		0.2000	
Garber Sandstone	352433097262401	0.0005	0.0800	0.0010
Garber Sandstone	352434097223101			
Garber Sandstone	352448097222901			
Garber Sandstone	352450097241701			
Garber Sandstone	352518097270601	0.0005	0.0850	0.0010
Garber Sandstone	352519097222501	0.0005	0.4300	0.0010
Garber Sandstone	352520097280601	0.0005	0.0700	0.0020
Garber Sandstone	352531097262101	0.0005	0.1100	0.0010
Garber Sandstone	352535097224701			
Garber Sandstone	352535097303301	0.0005	0.0900	0.0010
Garber Sandstone	352605097375701	0.0019	1.7240	0.0020
Garber Sandstone	352614097231401			
Garber Sandstone	352622097103401	0.0005	0.0300	0.0010
Garber Sandstone	352631097313101	0.0005	0.1200	0.0010
Garber Sandstone	352639097083401	0.0005	0.0700	0.0010
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Sandstone	350001097130101	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	350003097090101	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	351027097131401	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	351106097155201	0.0470	0.0030	0.0100	0.3000
Garber Sandstone	351106097155202	0.0100			1.0000
Garber Sandstone	351106097155202	0.0100			0.7000
Garber Sandstone	351106097155202	0.0100			1.5000
Garber Sandstone	351106097155202	0.0100			1.3000
Garber Sandstone	351106097155202	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	351314097254701	0.0047	0.0030	0.0100	1.3000
Garber Sandstone	351315097254201	0.0050	0.0030	0.0100	1.2000
Garber Sandstone	351315097254201	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	351315097254201	0.0050	0.0030	0.0100	0.4000
Garber Sandstone	351315097254301	0.0050	0.0030	0.0100	1.0000
Garber Sandstone	351331097255501				0.5000
Garber Sandstone	351409097231801	0.0840	0.0030	0.0100	0.4000
Garber Sandstone	351617097072801	0.0050	0.0030	0.0100	0.4000
Garber Sandstone	351638097175301	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	351648097285101	0.0290	0.0030	0.0100	0.3000
Garber Sandstone	351651097185901	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	351823097215701	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	351912097193601	0.0050	0.0030	0.0200	0.3000
Garber Sandstone	351926097293001	0.0720	0.0030	0.0100	0.7000
Garber Sandstone	352145097345901	0.0150	0.0030	0.0100	0.3000
Garber Sandstone	352330097264301				0.6000
Garber Sandstone	352433097262401	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	352434097223101				0.1000
Garber Sandstone	352448097222901				0.1000
Garber Sandstone	352450097241701				
Garber Sandstone	352518097270601	0.0005	0.0030	0.0100	0.3000
Garber Sandstone	352519097222501	0.0240	0.0030	0.0100	0.4000
Garber Sandstone	352520097280601	0.0012	0.0030	0.0100	0.1000
Garber Sandstone	352531097262101	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	352535097224701				
Garber Sandstone	352535097303301	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	352605097375701	0.0450	0.0030	0.0100	0.6000
Garber Sandstone	352614097231401				0.1000
Garber Sandstone	352622097103401	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	352631097313101	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	352639097083401	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0100			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Sandstone	350001097130101	0.0010	0.0070	0.0100
Garber Sandstone	350003097090101	0.0010	0.0220	0.0100
Garber Sandstone	351027097131401	0.0010	0.0060	0.0100
Garber Sandstone	351106097155201		0.0030	0.0100
Garber Sandstone	351106097155202		1.1000	
Garber Sandstone	351106097155202		1.3000	
Garber Sandstone	351106097155202		1.1000	
Garber Sandstone	351106097155202		0.3000	
Garber Sandstone	351106097155202		0.0050	0.0100
Garber Sandstone	351314097254701		0.0030	0.0100
Garber Sandstone	351315097254201	0.0030	0.0440	0.0100
Garber Sandstone	351315097254201	0.0010	0.0060	0.0100
Garber Sandstone	351315097254201	0.0010	0.0170	0.0100
Garber Sandstone	351315097254301		0.0870	0.0100
Garber Sandstone	351331097255501			
Garber Sandstone	351409097231801		0.0230	0.0100
Garber Sandstone	351617097072801	0.0010	0.0040	0.0100
Garber Sandstone	351638097175301	0.0010	0.0030	0.0100
Garber Sandstone	351648097285101		0.0030	0.0100
Garber Sandstone	351651097185901	0.0010	0.0030	0.0100
Garber Sandstone	351823097215701	0.0010	0.0030	0.0100
Garber Sandstone	351912097193601	0.0020	0.0040	0.0100
Garber Sandstone	351926097293001		0.0030	0.0100
Garber Sandstone	352145097345901		0.0030	0.0100
Garber Sandstone	352330097264301			
Garber Sandstone	352433097262401		0.0080	0.0100
Garber Sandstone	352434097223101			
Garber Sandstone	352448097222901			
Garber Sandstone	352450097241701			
Garber Sandstone	352518097270601		0.0040	0.0100
Garber Sandstone	352519097222501	0.0240	0.0030	0.0100
Garber Sandstone	352520097280601		0.0080	0.0100
Garber Sandstone	352531097262101		0.0140	0.0100
Garber Sandstone	352535097224701			
Garber Sandstone	352535097303301		0.0470	0.0100
Garber Sandstone	352605097375701		0.0030	0.0100
Garber Sandstone	352614097231401		0.2000	
Garber Sandstone	352622097103401	0.0010	0.0030	0.0100
Garber Sandstone	352631097313101		0.0060	0.0100
Garber Sandstone	352639097083401	0.0010	0.0030	0.0100
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Sandstone	350001097130101	0.0180	0.0010	0.0001
Garber Sandstone	350003097090101	0.0140	0.0620	0.0001
Garber Sandstone	351027097131401	0.0190	0.0010	0.0009
Garber Sandstone	351106097155201	0.0260	0.0010	
Garber Sandstone	351106097155202		0.0600	
Garber Sandstone	351106097155202		0.6200	
Garber Sandstone	351106097155202		0.0400	
Garber Sandstone	351106097155202		0.1400	
Garber Sandstone	351106097155202	0.0080	0.0550	
Garber Sandstone	351314097254701	0.0040	0.0020	
Garber Sandstone	351315097254201	0.0100	0.0090	
Garber Sandstone	351315097254201	0.0080	0.0110	0.0001
Garber Sandstone	351315097254201	0.0090	0.0060	0.0001
Garber Sandstone	351315097254301	0.0110	0.0040	
Garber Sandstone	351331097255501			
Garber Sandstone	351409097231801	0.0090	0.0010	
Garber Sandstone	351617097072801	0.0180	0.0010	0.0001
Garber Sandstone	351638097175301	0.0140	0.0010	0.0001
Garber Sandstone	351648097285101	0.0040	0.0010	
Garber Sandstone	351651097185901	0.0130	0.0010	0.0001
Garber Sandstone	351823097215701	0.0220	0.0010	0.0001
Garber Sandstone	351912097193601	0.0190	0.0010	0.0001
Garber Sandstone	351926097293001	0.0170	0.0010	
Garber Sandstone	352145097345901	0.0060	0.0010	
Garber Sandstone	352330097264301			
Garber Sandstone	352433097262401	0.0170	0.0010	0.0001
Garber Sandstone	352434097223101			
Garber Sandstone	352448097222901			
Garber Sandstone	352450097241701			
Garber Sandstone	352518097270601	0.0100	0.0020	
Garber Sandstone	352519097222501	0.0090	0.0010	0.0001
Garber Sandstone	352520097280601	0.0170	0.0010	0.0001
Garber Sandstone	352531097262101	0.0460	0.0010	0.0004
Garber Sandstone	352535097224701			
Garber Sandstone	352535097303301	0.0510	0.0230	0.0003
Garber Sandstone	352605097375701	0.0110	0.0010	
Garber Sandstone	352614097231401			
Garber Sandstone	352622097103401	0.0130	0.0020	0.0001
Garber Sandstone	352631097313101	0.0300	0.0010	0.0002
Garber Sandstone	352639097083401	0.0140	0.0010	0.0001
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Sandstone	350001097130101	0.0100	0.0100	0.0010
Garber Sandstone	350003097090101	0.0100	0.0100	0.0010
Garber Sandstone	351027097131401	0.0100	0.0100	0.0010
Garber Sandstone	351106097155201	0.0100	0.0100	0.0020
Garber Sandstone	351106097155202			0.0090
Garber Sandstone	351106097155202			0.0070
Garber Sandstone	351106097155202			0.0220
Garber Sandstone	351106097155202			0.0220
Garber Sandstone	351106097155202	0.0100	0.0100	0.0010
Garber Sandstone	351314097254701	0.0100	0.0100	0.0710
Garber Sandstone	351315097254201	0.0300	0.0100	0.0930
Garber Sandstone	351315097254201	0.0100	0.0100	0.0190
Garber Sandstone	351315097254201	0.0100	0.0100	0.0030
Garber Sandstone	351315097254301	0.0100	0.0100	0.0110
Garber Sandstone	351331097255501			
Garber Sandstone	351409097231801	0.0100	0.0100	0.0010
Garber Sandstone	351617097072801	0.0100	0.0100	0.0010
Garber Sandstone	351638097175301	0.0100	0.0100	0.0010
Garber Sandstone	351648097285101	0.0100	0.0100	0.0180
Garber Sandstone	351651097185901	0.0100	0.0100	0.0010
Garber Sandstone	351823097215701	0.0100	0.0100	0.0010
Garber Sandstone	351912097193601	0.0100	0.0100	0.0010
Garber Sandstone	351926097293001	0.0100	0.0100	0.0630
Garber Sandstone	352145097345901	0.0100	0.0100	0.0070
Garber Sandstone	352330097264301			
Garber Sandstone	352433097262401	0.0100	0.0100	0.0010
Garber Sandstone	352434097223101			
Garber Sandstone	352448097222901			
Garber Sandstone	352450097241701			
Garber Sandstone	352518097270601	0.0100	0.0100	0.0010
Garber Sandstone	352519097222501	0.0100	0.0100	0.0530
Garber Sandstone	352520097280601	0.0100	0.0100	0.0010
Garber Sandstone	352531097262101	0.0100	0.0100	0.0010
Garber Sandstone	352535097224701			
Garber Sandstone	352535097303301	0.0100	0.0100	0.0010
Garber Sandstone	352605097375701	0.0100	0.0100	0.0330
Garber Sandstone	352614097231401			
Garber Sandstone	352622097103401	0.0100	0.0100	0.0010
Garber Sandstone	352631097313101	0.0100	0.0100	0.0010
Garber Sandstone	352639097083401	0.0100	0.0100	0.0010
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0050
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Sandstone	350001097130101	0.0010	0.4600	0.0070	0.0090
Garber Sandstone	350003097090101	0.0010	0.1500	0.0060	0.0210
Garber Sandstone	351027097131401	0.0010	0.1900	0.0080	0.0040
Garber Sandstone	351106097155201	0.0010	1.6000	0.0220	0.0070
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202				
Garber Sandstone	351106097155202	0.0010	0.7500	0.0080	0.0030
Garber Sandstone	351314097254701	0.0010	0.0360	0.0550	0.0030
Garber Sandstone	351315097254201	0.0010	0.0520	0.0600	0.0380
Garber Sandstone	351315097254201	0.0010	0.0420	0.1200	0.0030
Garber Sandstone	351315097254201	0.0010	0.0260	0.0360	0.0030
Garber Sandstone	351315097254301	0.0010	0.0420	0.0440	0.0750
Garber Sandstone	351331097255501				
Garber Sandstone	351409097231801	0.0010	0.2100	0.0200	0.0140
Garber Sandstone	351617097072801	0.0010	0.1800	0.0060	0.0060
Garber Sandstone	351638097175301	0.0010	0.0660	0.0060	0.0220
Garber Sandstone	351648097285101	0.0010	0.0380	0.1800	0.0030
Garber Sandstone	351651097185901	0.0010	0.0690	0.0060	0.0290
Garber Sandstone	351823097215701	0.0010	0.1900	0.0060	0.0030
Garber Sandstone	351912097193601	0.0010	0.1100	0.0150	0.0190
Garber Sandstone	351926097293001	0.0010	0.4600	0.2200	0.0030
Garber Sandstone	352145097345901	0.0010	0.0410	0.2100	0.0030
Garber Sandstone	352330097264301				
Garber Sandstone	352433097262401	0.0010	0.2700	0.0090	0.0070
Garber Sandstone	352434097223101				
Garber Sandstone	352448097222901				
Garber Sandstone	352450097241701				
Garber Sandstone	352518097270601	0.0010	0.6700	0.0060	0.0040
Garber Sandstone	352519097222501	0.0010	0.1500	0.1200	0.0040
Garber Sandstone	352520097280601	0.0010	0.3500	0.0060	0.0200
Garber Sandstone	352531097262101	0.0010	1.2000	0.0060	0.0540
Garber Sandstone	352535097224701				
Garber Sandstone	352535097303301	0.0020	1.4000	0.0060	0.7000
Garber Sandstone	352605097375701	0.0010	0.1100	0.4600	0.0030
Garber Sandstone	352614097231401				
Garber Sandstone	352622097103401	0.0010	0.1200	0.0060	0.0030
Garber Sandstone	352631097313101	0.0010	0.9300	0.0060	0.0260
Garber Sandstone	352639097083401	0.0010	0.1600	0.0060	0.0030
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	352703097302401	2/6/1986	395.0	120.4
Garber Sandstone	352703097302401	2/6/1986	527.0	160.6
Garber Sandstone	352703097302401	2/6/1986	555.0	169.2
Garber Sandstone	352703097302401	2/6/1986	595.0	181.4
Garber Sandstone	352703097302401	2/6/1986	659.0	200.9
Garber Sandstone	352703097302401	2/6/1986	690.0	210.3
Garber Sandstone	352703097302401	2/6/1986	735.0	224.0
Garber Sandstone	352703097302401	2/6/1986	815.0	248.4
Garber Sandstone	352703097302401	2/6/1986	995.0	303.3
Garber Sandstone	352703097302402	2/6/1986	313.0	95.4
Garber Sandstone	352703097302403	2/6/1986	523.0	159.4
Garber Sandstone	352705097175401	5/16/1988		
Garber Sandstone	352735097155001	2/20/1959		
Garber Sandstone	352738097191001	9/17/1987		
Garber Sandstone	352740097275301	11/16/1988		
Garber Sandstone	352750097263601	11/18/1988		
Garber Sandstone	352755097332002	11/9/1988		
Garber Sandstone	352757097200801	6/30/1988		
Garber Sandstone	352905097310201	11/15/1988		
Garber Sandstone	352910097272501	11/4/1988		
Garber Sandstone	353010097324601	11/4/1988		
Garber Sandstone	353013097373301	8/5/1987		
Garber Sandstone	353024097272501	11/8/1988		
Garber Sandstone	353026097274801	11/8/1988		
Garber Sandstone	353042097313801	11/3/1988		
Garber Sandstone	353051097322001	11/3/1988		
Garber Sandstone	353101097283701	11/17/1988		
Garber Sandstone	353131097325401	11/2/1988		
Garber Sandstone	353136097295101	11/23/1988		
Garber Sandstone	353139097293001	11/2/1988		
Garber Sandstone	353141097293001	11/8/1988		
Garber Sandstone	353145097263801	11/17/1988		
Garber Sandstone	353155097294601	11/1/1988		
Garber Sandstone	353210097282401	11/1/1988		
Garber Sandstone	353219097295801	11/1/1988		
Garber Sandstone	353223097320501	7/27/1987		
Garber Sandstone	353223097320501	4/12/1988		
Garber Sandstone	353227097251101	6/27/1988		
Garber Sandstone	353229097285301	11/2/1988		
Garber Sandstone	353243097304101	12/2/1988		
Garber Sandstone	353244097255801	6/27/1988		
Garber Sandstone	353539097243901	7/12/1988		
Garber Sandstone	353600097264001	11/21/1988		
Garber Sandstone	353631097232301	6/1/1988		

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302402				
Garber Sandstone	352703097302403				
Garber Sandstone	352705097175401	0.0100	0.0010	0.0020	0.2800
Garber Sandstone	352735097155001				
Garber Sandstone	352738097191001	0.0100		0.0020	0.2800
Garber Sandstone	352740097275301	0.0100	0.0010	0.0010	0.4000
Garber Sandstone	352750097263601	0.0100	0.0010	0.0010	0.5400
Garber Sandstone	352755097332002	0.0100	0.0010	0.0010	0.0180
Garber Sandstone	352757097200801	0.0100	0.0010	0.0020	0.3500
Garber Sandstone	352905097310201	0.0100	0.0010	0.0020	0.2600
Garber Sandstone	352910097272501	0.0100	0.0010	0.0170	0.1800
Garber Sandstone	353010097324601	0.0100	0.0010	0.0010	0.0470
Garber Sandstone	353013097373301	0.0300		0.1100	0.0570
Garber Sandstone	353024097272501	0.0100	0.0010	0.0010	0.2000
Garber Sandstone	353026097274801	0.0100	0.0010	0.0040	0.1100
Garber Sandstone	353042097313801	0.0100	0.0010	0.0010	0.2500
Garber Sandstone	353051097322001	0.0100	0.0010	0.0010	0.1200
Garber Sandstone	353101097283701	0.0100	0.0010	0.0010	0.0890
Garber Sandstone	353131097325401	0.0100	0.0010	0.0010	0.0430
Garber Sandstone	353136097295101	0.0100	0.0010	0.0020	1.1000
Garber Sandstone	353139097293001	0.0100	0.0010	0.0010	0.9100
Garber Sandstone	353141097293001	0.0100	0.0010	0.0010	1.7000
Garber Sandstone	353145097263801	0.0100	0.0010	0.0020	0.5200
Garber Sandstone	353155097294601	0.0100	0.0010	0.0010	0.0980
Garber Sandstone	353210097282401	0.0100	0.0010	0.0010	0.0710
Garber Sandstone	353219097295801	0.0100	0.0010	0.0010	0.5600
Garber Sandstone	353223097320501	0.0100		0.0300	0.0770
Garber Sandstone	353223097320501	0.0100	0.0010	0.0020	0.1000
Garber Sandstone	353227097251101	0.0100	0.0010	0.0020	0.7100
Garber Sandstone	353229097285301	0.0100	0.0010	0.0010	0.1800
Garber Sandstone	353243097304101	0.0100	0.0010	0.0010	0.1500
Garber Sandstone	353244097255801	0.0100	0.0010	0.0030	0.4000
Garber Sandstone	353539097243901	0.0100	0.0010	0.0010	0.1600
Garber Sandstone	353600097264001	0.0100	0.0010	0.0030	0.2200
Garber Sandstone	353631097232301	0.0100	0.0010	0.0010	0.0770

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401	0.0005	0.0200	0.0010
Garber Sandstone	352735097155001		0.0700	
Garber Sandstone	352738097191001	0.0005	0.0280	0.0010
Garber Sandstone	352740097275301	0.0005	0.0600	0.0010
Garber Sandstone	352750097263601	0.0005	0.1100	0.0010
Garber Sandstone	352755097332002	0.0005	0.5300	0.0020
Garber Sandstone	352757097200801	0.0005	0.0300	0.0010
Garber Sandstone	352905097310201	0.0005	0.1200	0.0010
Garber Sandstone	352910097272501	0.0005	0.1900	0.0010
Garber Sandstone	353010097324601	0.0005	0.3400	0.0010
Garber Sandstone	353013097373301	0.0019	1.1000	0.0010
Garber Sandstone	353024097272501	0.0005	0.1200	0.0010
Garber Sandstone	353026097274801	0.0005	0.1900	0.0010
Garber Sandstone	353042097313801	0.0005	1.3000	0.0010
Garber Sandstone	353051097322001	0.0005	2.7000	0.0010
Garber Sandstone	353101097283701	0.0005	0.1200	0.0020
Garber Sandstone	353131097325401	0.0005	2.4000	0.0010
Garber Sandstone	353136097295101	0.0005	0.0600	0.0010
Garber Sandstone	353139097293001	0.0005	0.0700	0.0010
Garber Sandstone	353141097293001	0.0005	0.0600	0.0010
Garber Sandstone	353145097263801	0.0005	0.0600	0.0010
Garber Sandstone	353155097294601	0.0005	0.1800	0.0010
Garber Sandstone	353210097282401	0.0005	0.1400	0.0010
Garber Sandstone	353219097295801	0.0005	0.2100	0.0010
Garber Sandstone	353223097320501	0.0020	1.8000	0.0010
Garber Sandstone	353223097320501	0.0005	0.3600	0.0010
Garber Sandstone	353227097251101	0.0005	0.0600	0.0010
Garber Sandstone	353229097285301	0.0005	0.1200	0.0010
Garber Sandstone	353243097304101	0.0005	0.3400	0.0010
Garber Sandstone	353244097255801	0.0005	0.0400	0.0010
Garber Sandstone	353539097243901	0.0005	0.0300	0.0010
Garber Sandstone	353600097264001	0.0005	0.0700	0.0010
Garber Sandstone	353631097232301	0.0005	0.0700	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302401	0.0050			
Garber Sandstone	352703097302402	0.0280			
Garber Sandstone	352703097302403	0.0100			
Garber Sandstone	352705097175401	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	352735097155001				0.1000
Garber Sandstone	352738097191001	0.0005	0.0030	0.0100	0.1000
Garber Sandstone	352740097275301	0.0080	0.0030	0.0100	0.2000
Garber Sandstone	352750097263601	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	352755097332002	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	352757097200801	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	352905097310201	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	352910097272501	0.0050	0.0030	0.0100	0.6000
Garber Sandstone	353010097324601	0.0060	0.0030	0.0100	0.2000
Garber Sandstone	353013097373301	0.0360	0.0030	0.0100	0.1000
Garber Sandstone	353024097272501	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	353026097274801	0.0050	0.0030	0.0100	0.4000
Garber Sandstone	353042097313801	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353051097322001	0.0070	0.0030	0.0100	0.4000
Garber Sandstone	353101097283701	0.0050	0.0030	0.0400	0.4000
Garber Sandstone	353131097325401	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353136097295101	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	353139097293001	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	353141097293001	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353145097263801	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353155097294601	0.0070	0.0030	0.0100	0.2000
Garber Sandstone	353210097282401	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353219097295801	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	353223097320501	0.0096	0.0030	0.0100	1.2000
Garber Sandstone	353223097320501	0.0070	0.0030	0.0100	0.3000
Garber Sandstone	353227097251101	0.0050	0.0030	0.0100	0.5000
Garber Sandstone	353229097285301	0.0050	0.0030	0.0100	0.4000
Garber Sandstone	353243097304101	0.0120	0.0030	0.0100	0.3000
Garber Sandstone	353244097255801	0.0050	0.0030	0.0100	0.4000
Garber Sandstone	353539097243901	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	353600097264001	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	353631097232301	0.0050	0.0030	0.0100	0.4000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401	0.0010	0.0030	0.0100
Garber Sandstone	352735097155001		0.0100	
Garber Sandstone	352738097191001		0.0060	0.0100
Garber Sandstone	352740097275301		0.0140	0.0100
Garber Sandstone	352750097263601		0.0080	0.0100
Garber Sandstone	352755097332002		0.0700	0.0100
Garber Sandstone	352757097200801	0.0010	0.0030	0.0100
Garber Sandstone	352905097310201		0.0160	0.0100
Garber Sandstone	352910097272501		0.2000	0.0200
Garber Sandstone	353010097324601		0.0220	0.0100
Garber Sandstone	353013097373301		0.0050	0.0200
Garber Sandstone	353024097272501		0.0030	0.0100
Garber Sandstone	353026097274801		0.0050	0.0100
Garber Sandstone	353042097313801		0.0900	0.0100
Garber Sandstone	353051097322001		0.0220	0.0100
Garber Sandstone	353101097283701		0.1000	0.0100
Garber Sandstone	353131097325401		0.0100	0.0100
Garber Sandstone	353136097295101		0.0180	0.0100
Garber Sandstone	353139097293001		0.0040	0.0100
Garber Sandstone	353141097293001		0.0030	0.0100
Garber Sandstone	353145097263801		0.0060	0.0100
Garber Sandstone	353155097294601		0.0660	0.0100
Garber Sandstone	353210097282401		0.0130	0.0100
Garber Sandstone	353219097295801		0.0370	0.0100
Garber Sandstone	353223097320501		0.0030	0.0100
Garber Sandstone	353223097320501	0.0010	0.0300	0.0100
Garber Sandstone	353227097251101	0.0010	0.0100	0.0100
Garber Sandstone	353229097285301		0.0780	0.0100
Garber Sandstone	353243097304101		0.0100	0.0100
Garber Sandstone	353244097255801	0.0010	0.0030	0.0100
Garber Sandstone	353539097243901	0.0010	0.1300	0.0100
Garber Sandstone	353600097264001		0.0110	0.0100
Garber Sandstone	353631097232301	0.0010	0.0050	0.0100

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302401			
Garber Sandstone	352703097302402			
Garber Sandstone	352703097302403			
Garber Sandstone	352705097175401	0.0100	0.0010	0.0001
Garber Sandstone	352735097155001			
Garber Sandstone	352738097191001	0.0060	0.0010	
Garber Sandstone	352740097275301	0.0180	0.0020	0.0001
Garber Sandstone	352750097263601	0.0250	0.0010	0.0001
Garber Sandstone	352755097332002	0.0490	0.1700	0.0001
Garber Sandstone	352757097200801	0.0120	0.0020	0.0001
Garber Sandstone	352905097310201	0.0220	0.0010	0.0001
Garber Sandstone	352910097272501	0.0480	0.6400	0.0001
Garber Sandstone	353010097324601	0.0310	0.0010	0.0001
Garber Sandstone	353013097373301	0.0040	0.0010	
Garber Sandstone	353024097272501	0.0290	0.0010	0.0001
Garber Sandstone	353026097274801	0.0360	0.1500	0.0001
Garber Sandstone	353042097313801	0.0360	0.0050	0.0001
Garber Sandstone	353051097322001	0.0270	0.0010	0.0001
Garber Sandstone	353101097283701	0.0270	0.0040	0.0001
Garber Sandstone	353131097325401	0.0230	0.0010	0.0001
Garber Sandstone	353136097295101	0.0120	0.0010	0.0001
Garber Sandstone	353139097293001	0.0120	0.0010	0.0001
Garber Sandstone	353141097293001	0.0130	0.0240	0.0001
Garber Sandstone	353145097263801	0.0120	0.0010	0.0001
Garber Sandstone	353155097294601	0.0240	0.1000	0.0001
Garber Sandstone	353210097282401	0.0290	0.0040	0.0001
Garber Sandstone	353219097295801	0.0310	0.0170	0.0001
Garber Sandstone	353223097320501	0.0100	0.0020	
Garber Sandstone	353223097320501	0.0200	0.0030	0.0001
Garber Sandstone	353227097251101	0.0130	0.0010	0.0001
Garber Sandstone	353229097285301	0.0190	0.0070	0.0001
Garber Sandstone	353243097304101	0.0280	0.0020	0.0001
Garber Sandstone	353244097255801	0.0120	0.0010	0.0001
Garber Sandstone	353539097243901	0.0070	0.0160	0.0001
Garber Sandstone	353600097264001	0.0160	0.0010	0.0001
Garber Sandstone	353631097232301	0.0190	0.0010	0.0001

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302401			0.0100
Garber Sandstone	352703097302402			0.0050
Garber Sandstone	352703097302403			0.0050
Garber Sandstone	352705097175401	0.0100	0.0100	0.0010
Garber Sandstone	352735097155001			
Garber Sandstone	352738097191001	0.0100	0.0100	0.0010
Garber Sandstone	352740097275301	0.0100	0.0100	0.0010
Garber Sandstone	352750097263601	0.0100	0.0100	0.0010
Garber Sandstone	352755097332002	0.0100	0.0100	0.0010
Garber Sandstone	352757097200801	0.0100	0.0100	0.0010
Garber Sandstone	352905097310201	0.0100	0.0100	0.0010
Garber Sandstone	352910097272501	0.0100	0.0100	0.0010
Garber Sandstone	353010097324601	0.0100	0.0100	0.0080
Garber Sandstone	353013097373301	0.0100	0.0100	0.0150
Garber Sandstone	353024097272501	0.0100	0.0100	0.0010
Garber Sandstone	353026097274801	0.0100	0.0100	0.0010
Garber Sandstone	353042097313801	0.0100	0.0100	0.0280
Garber Sandstone	353051097322001	0.0100	0.0100	0.1900
Garber Sandstone	353101097283701	0.0100	0.0100	0.0060
Garber Sandstone	353131097325401	0.0100	0.0100	0.0090
Garber Sandstone	353136097295101	0.0100	0.0100	0.0010
Garber Sandstone	353139097293001	0.0100	0.0100	0.0010
Garber Sandstone	353141097293001	0.0100	0.0100	0.0010
Garber Sandstone	353145097263801	0.0100	0.0100	0.0010
Garber Sandstone	353155097294601	0.0100	0.0100	0.0010
Garber Sandstone	353210097282401	0.0100	0.0100	0.0010
Garber Sandstone	353219097295801	0.0100	0.0100	0.0010
Garber Sandstone	353223097320501	0.0200	0.0100	0.1300
Garber Sandstone	353223097320501	0.0100	0.0100	0.0030
Garber Sandstone	353227097251101	0.0100	0.0100	0.0010
Garber Sandstone	353229097285301	0.0100	0.0100	0.0020
Garber Sandstone	353243097304101	0.0100	0.0100	0.0010
Garber Sandstone	353244097255801	0.0100	0.0100	0.0010
Garber Sandstone	353539097243901	0.0100	0.0100	0.0010
Garber Sandstone	353600097264001	0.0100	0.0100	0.0010
Garber Sandstone	353631097232301	0.0100	0.0100	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302401				
Garber Sandstone	352703097302402				
Garber Sandstone	352703097302403				
Garber Sandstone	352705097175401	0.0010	0.0520	0.0060	0.0080
Garber Sandstone	352735097155001				
Garber Sandstone	352738097191001	0.0010	0.0920	0.0060	0.0030
Garber Sandstone	352740097275301	0.0010	0.3000	0.0080	0.0700
Garber Sandstone	352750097263601	0.0010	0.3700	0.0100	0.0390
Garber Sandstone	352755097332002	0.0010	3.0000	0.0060	0.0060
Garber Sandstone	352757097200801	0.0010	0.0770	0.0060	0.0710
Garber Sandstone	352905097310201	0.0010	0.5000	0.0110	0.0170
Garber Sandstone	352910097272501	0.0020	1.5000	0.0120	0.2800
Garber Sandstone	353010097324601	0.0010	0.9500	0.0070	0.0170
Garber Sandstone	353013097373301	0.0010	0.3400	0.5100	0.0090
Garber Sandstone	353024097272501	0.0010	0.8200	0.0070	0.0230
Garber Sandstone	353026097274801	0.0010	1.2000	0.0100	0.0030
Garber Sandstone	353042097313801	0.0010	2.4000	0.0260	0.0550
Garber Sandstone	353051097322001	0.0010	1.2000	0.0130	0.0250
Garber Sandstone	353101097283701	0.0010	0.5100	0.0110	0.0370
Garber Sandstone	353131097325401	0.0010	1.1000	0.0070	0.0130
Garber Sandstone	353136097295101	0.0020	0.4400	0.0060	0.0080
Garber Sandstone	353139097293001	0.0010	0.2500	0.0060	0.0110
Garber Sandstone	353141097293001	0.0010	0.3500	0.0060	0.0110
Garber Sandstone	353145097263801	0.0010	0.2000	0.0060	0.1200
Garber Sandstone	353155097294601	0.0030	1.6000	0.0090	0.0290
Garber Sandstone	353210097282401	0.0010	1.1000	0.0070	0.0190
Garber Sandstone	353219097295801	0.0010	2.3000	0.0070	0.0170
Garber Sandstone	353223097320501	0.0010	0.6200	0.5000	0.0030
Garber Sandstone	353223097320501	0.0010	1.5000	0.0280	0.0030
Garber Sandstone	353227097251101	0.0010	0.1600	0.0060	0.0370
Garber Sandstone	353229097285301	0.0010	0.9600	0.0060	0.1000
Garber Sandstone	353243097304101	0.0020	1.4000	0.0110	0.0030
Garber Sandstone	353244097255801	0.0010	0.1400	0.0060	0.0060
Garber Sandstone	353539097243901	0.0010	0.0710	0.0060	0.1800
Garber Sandstone	353600097264001	0.0010	0.2500	0.0060	0.0150
Garber Sandstone	353631097232301	0.0010	0.3300	0.0060	0.0060

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Sandstone	353910097284801	12/1/1949		
Garber Sandstone	354012097231001	5/20/1988	164.9	50.3
Garber Sandstone	354012097231001	5/24/1988	119.5	36.4
Garber Sandstone	354105097332401	9/25/1987		
Garber Sandstone	354208097330201	10/28/1988	296.2	90.3
Garber Sandstone	354208097330201	11/1/1988	276.2	84.2
Garber Sandstone	354208097330201	11/2/1988	106.2	32.4
Garber Sandstone	354208097330201	11/3/1988	327.1	99.7
Garber Sandstone	354208097330201	11/4/1988	222.8	67.9
Garber Sandstone	354208097330201	11/7/1988	181.8	55.4
Garber Sandstone	354208097330201	11/7/1988	182.0	55.5
Garber Sandstone	354208097330201	11/8/1988	141.0	43.0
Garber Sandstone	354208097330201	12/7/1988	475.1	144.8
Garber Sandstone	354606097315601	5/26/1988		
Garber Sandstone	354620097315201	6/29/1988		
Garber Sandstone	354755097392001	6/29/1988		
Garber Sandstone	354758097295201	5/12/1988		
Garber Sandstone	355052097284301	5/25/1988		
Garber Sandstone	355118097250001	4/20/1988	229.0	69.8
Garber Sandstone	355118097250001	4/21/1988	176.0	53.6
Garber Sandstone	355120097233001	7/13/1988		
Garber Sandstone	355141097201401	7/7/1988		
Garber Sandstone	355321097270301	5/25/1988		
Garber Sandstone	355353097373901	11/20/1977		
Garber Sandstone	355543097284701	6/3/1985		
Garber Sandstone	355614097183001	7/7/1988		
Garber Sandstone	355818097280301	11/18/1977		
Garber Sandstone	355915097305401	11/18/1977		
Garber Sandstone	361833097352901	8/24/1951		
Garber Wellington Aquifer	350055097125402	4/20/1988		
Garber Wellington Aquifer	350101097125401	4/20/1988		
Garber Wellington Aquifer	350203097072201	6/8/1988		
Garber Wellington Aquifer	350240097064101	6/8/1988		
Garber Wellington Aquifer	350419097093801	8/20/1986		
Garber Wellington Aquifer	350747097113701	8/20/1986		
Garber Wellington Aquifer	350756097232001	4/21/1988		
Garber Wellington Aquifer	350845097214501	4/27/1988		
Garber Wellington Aquifer	351118097114901	7/11/1988		
Garber Wellington Aquifer	351208097190001	7/29/1986	95.0	29.0
Garber Wellington Aquifer	351208097190001	7/29/1986	155.0	47.2
Garber Wellington Aquifer	351208097190001	7/29/1986	195.0	59.4
Garber Wellington Aquifer	351208097190001	7/29/1986	235.0	71.6
Garber Wellington Aquifer	351208097190001	7/29/1986	255.0	77.7
Garber Wellington Aquifer	351208097190001	7/29/1986	295.0	89.9

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Sandstone	353910097284801				
Garber Sandstone	354012097231001	0.0100		0.0230	0.0380
Garber Sandstone	354012097231001	0.0100		0.0010	0.2700
Garber Sandstone	354105097332401	0.0100		0.0040	0.1200
Garber Sandstone	354208097330201	0.0100		0.0010	0.2300
Garber Sandstone	354208097330201	0.0100		0.0030	0.1600
Garber Sandstone	354208097330201	0.0100		0.0010	0.2800
Garber Sandstone	354208097330201	0.0100		0.0030	0.2200
Garber Sandstone	354208097330201	0.0100		0.0020	0.2100
Garber Sandstone	354208097330201	0.0100		0.0020	0.2200
Garber Sandstone	354208097330201	0.0100		0.0020	0.2200
Garber Sandstone	354208097330201	0.0100		0.0010	0.2800
Garber Sandstone	354208097330201	0.0200		0.0650	0.0280
Garber Sandstone	354606097315601	0.0100	0.0010	0.0020	0.5900
Garber Sandstone	354620097315201	0.0100	0.0010	0.0010	0.1500
Garber Sandstone	354755097392001	0.0100	0.0010	0.0030	0.0970
Garber Sandstone	354758097295201	0.0100	0.0010	0.0090	0.0700
Garber Sandstone	355052097284301	0.0100	0.0010	0.0010	0.4400
Garber Sandstone	355118097250001	0.0600		0.0690	0.0400
Garber Sandstone	355118097250001	0.0300		0.0530	0.0540
Garber Sandstone	355120097233001	0.0100	0.0010	0.0010	0.0770
Garber Sandstone	355141097201401	0.0100	0.0010	0.0010	0.0950
Garber Sandstone	355321097270301	0.0100	0.0010	0.0010	0.7000
Garber Sandstone	355353097373901	0.0100		0.0008	0.1780
Garber Sandstone	355543097284701	0.1400		0.0100	
Garber Sandstone	355614097183001	0.0100	0.0010	0.0010	0.0540
Garber Sandstone	355818097280301	0.0100		0.0005	0.4090
Garber Sandstone	355915097305401	0.0130		0.0005	0.5560
Garber Sandstone	361833097352901				
Garber Wellington Aquifer	350055097125402	0.0100	0.0010	0.0010	0.1600
Garber Wellington Aquifer	350101097125401	0.0100	0.0010	0.0040	0.1100
Garber Wellington Aquifer	350203097072201	0.0100	0.0030	0.0010	0.4900
Garber Wellington Aquifer	350240097064101	0.0100	0.0050	0.0010	0.4300
Garber Wellington Aquifer	350419097093801			0.0100	
Garber Wellington Aquifer	350747097113701			0.0100	
Garber Wellington Aquifer	350756097232001	0.0100	0.0040	0.0510	0.0640
Garber Wellington Aquifer	350845097214501	0.0100	0.0010	0.0050	0.2700
Garber Wellington Aquifer	351118097114901	0.0100	0.0010	0.0010	0.3300
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Sandstone	353910097284801			
Garber Sandstone	354012097231001	0.0005	1.3000	0.0010
Garber Sandstone	354012097231001	0.0005	0.0500	0.0010
Garber Sandstone	354105097332401	0.0005	0.6400	0.0010
Garber Sandstone	354208097330201	0.0005	0.5400	0.0010
Garber Sandstone	354208097330201	0.0005	1.0000	0.0010
Garber Sandstone	354208097330201	0.0005	0.3200	0.0010
Garber Sandstone	354208097330201	0.0005	0.6800	0.0010
Garber Sandstone	354208097330201	0.0005	0.3400	0.0010
Garber Sandstone	354208097330201	0.0005	0.3300	0.0020
Garber Sandstone	354208097330201	0.0005	0.3300	0.0040
Garber Sandstone	354208097330201	0.0005	0.2900	0.0010
Garber Sandstone	354208097330201	0.0026	3.4000	0.0010
Garber Sandstone	354606097315601	0.0005	0.0600	0.0010
Garber Sandstone	354620097315201	0.0005	0.0700	0.0010
Garber Sandstone	354755097392001	0.0005	0.4000	0.0010
Garber Sandstone	354758097295201	0.0005	1.0000	0.0010
Garber Sandstone	355052097284301	0.0005	0.0500	0.0010
Garber Sandstone	355118097250001	0.0031	2.6000	0.0010
Garber Sandstone	355118097250001	0.0011	2.1000	0.0010
Garber Sandstone	355120097233001	0.0005	0.0300	0.0010
Garber Sandstone	355141097201401	0.0005	0.1000	0.0010
Garber Sandstone	355321097270301	0.0005	0.0600	0.0010
Garber Sandstone	355353097373901	0.0010	0.0590	
Garber Sandstone	355543097284701		0.0700	0.0180
Garber Sandstone	355614097183001	0.0005	0.4100	0.0010
Garber Sandstone	355818097280301	0.0010	0.0630	
Garber Sandstone	355915097305401	0.0010	0.1170	
Garber Sandstone	361833097352901			
Garber Wellington Aquifer	350055097125402	0.0005	0.6300	0.0010
Garber Wellington Aquifer	350101097125401	0.0005	0.6000	0.0010
Garber Wellington Aquifer	350203097072201	0.0005	0.0500	0.0010
Garber Wellington Aquifer	350240097064101	0.0005	0.2600	0.0010
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	0.0005	3.9000	0.0010
Garber Wellington Aquifer	350845097214501	0.0005	0.7600	0.0010
Garber Wellington Aquifer	351118097114901	0.0005	0.0600	0.0010
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351208097190001			

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Sandstone	353910097284801				1.4000
Garber Sandstone	354012097231001	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	354012097231001	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	354105097332401	0.0270	0.0030	0.0100	0.3000
Garber Sandstone	354208097330201	0.0160	0.0030	0.0100	0.2000
Garber Sandstone	354208097330201	0.0290	0.0030	0.0100	0.2000
Garber Sandstone	354208097330201	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	354208097330201	0.0180	0.0030	0.0100	0.2000
Garber Sandstone	354208097330201	0.0180	0.0030	0.0100	0.2000
Garber Sandstone	354208097330201	0.0160	0.0030	0.0100	0.3000
Garber Sandstone	354208097330201	0.0160	0.0030	0.0100	0.3000
Garber Sandstone	354208097330201	0.0050	0.0030	0.0100	0.2000
Garber Sandstone	354208097330201	0.0400	0.0030	0.0100	1.6000
Garber Sandstone	354606097315601	0.0050	0.0030	0.0100	0.5000
Garber Sandstone	354620097315201	0.0050	0.0030	0.0100	0.6000
Garber Sandstone	354755097392001	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	354758097295201	0.0360	0.0030	0.0100	0.4000
Garber Sandstone	355052097284301	0.0050	0.0030	0.0100	0.3000
Garber Sandstone	355118097250001	0.0570	0.0030	0.0100	0.3000
Garber Sandstone	355118097250001	0.0830	0.0030	0.0100	0.8000
Garber Sandstone	355120097233001	0.0050	0.0030	0.0100	0.1000
Garber Sandstone	355141097201401	0.0050	0.0030	0.0100	2.6000
Garber Sandstone	355321097270301	0.0050	0.0030	0.0100	0.6000
Garber Sandstone	355353097373901	0.0040	0.0020	0.0030	
Garber Sandstone	355543097284701	0.0140		0.0290	0.2000
Garber Sandstone	355614097183001	0.0050	0.0030	0.0100	0.5000
Garber Sandstone	355818097280301	0.0040	0.0020	0.0020	
Garber Sandstone	355915097305401	0.0040	0.0020	0.0040	
Garber Sandstone	361833097352901				0.1000
Garber Wellington Aquifer	350055097125402	0.0300	0.0030	0.0100	0.3000
Garber Wellington Aquifer	350101097125401	0.0230	0.0030	0.0100	0.4000
Garber Wellington Aquifer	350203097072201	0.0050	0.0030	0.0100	0.3000
Garber Wellington Aquifer	350240097064101	0.0050	0.0030	0.0100	0.3000
Garber Wellington Aquifer	350419097093801				
Garber Wellington Aquifer	350747097113701				
Garber Wellington Aquifer	350756097232001	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	350845097214501	0.0170	0.0030	0.0100	0.3000
Garber Wellington Aquifer	351118097114901	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	351208097190001	0.0100			0.4000
Garber Wellington Aquifer	351208097190001	0.0100			0.4000
Garber Wellington Aquifer	351208097190001	0.0100			0.2000
Garber Wellington Aquifer	351208097190001	0.0100			0.3000
Garber Wellington Aquifer	351208097190001	0.0100			0.3000
Garber Wellington Aquifer	351208097190001	0.0100			0.5000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Sandstone	353910097284801			
Garber Sandstone	354012097231001	0.0050	0.0050	0.0100
Garber Sandstone	354012097231001	0.0010	0.0350	0.0100
Garber Sandstone	354105097332401		0.0080	0.0100
Garber Sandstone	354208097330201	0.0120	0.0320	0.0300
Garber Sandstone	354208097330201	0.0260	0.0100	0.0100
Garber Sandstone	354208097330201	0.0010	0.0300	0.0100
Garber Sandstone	354208097330201	0.0140	0.0240	0.0100
Garber Sandstone	354208097330201	0.0170	0.0060	0.0100
Garber Sandstone	354208097330201	0.0110	0.0090	0.0100
Garber Sandstone	354208097330201	0.0120	0.0100	0.0100
Garber Sandstone	354208097330201	0.0010	0.0130	0.0100
Garber Sandstone	354208097330201	0.0010	0.0060	0.0100
Garber Sandstone	354606097315601	0.0010	0.0030	0.0100
Garber Sandstone	354620097315201	0.0010	0.0040	0.0100
Garber Sandstone	354755097392001	0.0010	0.0030	0.0100
Garber Sandstone	354758097295201	0.0370	0.0040	0.0100
Garber Sandstone	355052097284301	0.0010	0.0070	0.0100
Garber Sandstone	355118097250001	0.0580	0.0080	0.0100
Garber Sandstone	355118097250001	0.1060	0.0150	0.0100
Garber Sandstone	355120097233001	0.0010	0.0780	0.0100
Garber Sandstone	355141097201401	0.0030	0.0030	0.0100
Garber Sandstone	355321097270301	0.0010	0.0030	0.0100
Garber Sandstone	355353097373901		0.0100	
Garber Sandstone	355543097284701		0.0600	0.1000
Garber Sandstone	355614097183001	0.0030	0.0030	0.0100
Garber Sandstone	355818097280301		0.0100	
Garber Sandstone	355915097305401		0.0100	
Garber Sandstone	361833097352901			
Garber Wellington Aquifer	350055097125402	0.0140	0.0030	0.0100
Garber Wellington Aquifer	350101097125401	0.0270	0.0050	0.0100
Garber Wellington Aquifer	350203097072201	0.0010	0.0360	0.0100
Garber Wellington Aquifer	350240097064101	0.0010	0.0030	0.0100
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	0.0010	0.0040	0.0100
Garber Wellington Aquifer	350845097214501	0.0110	0.0030	0.0100
Garber Wellington Aquifer	351118097114901	0.0010	0.0060	0.0100
Garber Wellington Aquifer	351208097190001		0.4000	
Garber Wellington Aquifer	351208097190001		8.3000	
Garber Wellington Aquifer	351208097190001		8.1000	
Garber Wellington Aquifer	351208097190001		5.2000	
Garber Wellington Aquifer	351208097190001		0.9000	
Garber Wellington Aquifer	351208097190001		0.5000	

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Sandstone	353910097284801			
Garber Sandstone	354012097231001	0.0110	0.0030	
Garber Sandstone	354012097231001	0.0120	0.0030	0.0001
Garber Sandstone	354105097332401	0.0100	0.0010	
Garber Sandstone	354208097330201	0.0100	0.0050	0.0005
Garber Sandstone	354208097330201	0.0100	0.0040	0.0001
Garber Sandstone	354208097330201	0.0140	0.0100	0.0004
Garber Sandstone	354208097330201	0.0080	0.0070	0.0001
Garber Sandstone	354208097330201	0.0090	0.0060	0.0001
Garber Sandstone	354208097330201	0.0120	0.0050	0.0001
Garber Sandstone	354208097330201	0.0120	0.0050	0.0001
Garber Sandstone	354208097330201	0.0070	0.0060	0.0001
Garber Sandstone	354208097330201	0.0100	0.0080	0.0001
Garber Sandstone	354606097315601	0.0100	0.0010	0.0001
Garber Sandstone	354620097315201	0.0170	0.0010	0.0001
Garber Sandstone	354755097392001	0.0390	0.0010	0.0001
Garber Sandstone	354758097295201	0.0120	0.0010	0.0001
Garber Sandstone	355052097284301	0.0120	0.0010	0.0001
Garber Sandstone	355118097250001	0.0050	0.0040	0.0310
Garber Sandstone	355118097250001	0.0040	0.0070	
Garber Sandstone	355120097233001	0.0050	0.0060	0.0001
Garber Sandstone	355141097201401	0.0210	0.0010	0.0001
Garber Sandstone	355321097270301	0.0130	0.0010	0.0001
Garber Sandstone	355353097373901	0.0190	0.0020	
Garber Sandstone	355543097284701		0.0100	
Garber Sandstone	355614097183001	0.0210	0.0020	0.0001
Garber Sandstone	355818097280301	0.0050	0.0320	
Garber Sandstone	355915097305401	0.0120	0.1850	
Garber Sandstone	361833097352901			
Garber Wellington Aquifer	350055097125402	0.0120	0.0010	0.0001
Garber Wellington Aquifer	350101097125401	0.0140	0.0010	0.0001
Garber Wellington Aquifer	350203097072201	0.0160	0.0010	0.0001
Garber Wellington Aquifer	350240097064101	0.0120	0.0010	0.0001
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	0.0080	0.0010	0.0001
Garber Wellington Aquifer	350845097214501	0.0300	0.0010	0.0001
Garber Wellington Aquifer	351118097114901	0.0120	0.0010	0.0001
Garber Wellington Aquifer	351208097190001		0.0600	
Garber Wellington Aquifer	351208097190001		0.6300	
Garber Wellington Aquifer	351208097190001		0.1200	
Garber Wellington Aquifer	351208097190001		0.4500	
Garber Wellington Aquifer	351208097190001		0.0600	
Garber Wellington Aquifer	351208097190001		0.0700	

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Sandstone	353910097284801			
Garber Sandstone	354012097231001	0.0100	0.0100	0.0010
Garber Sandstone	354012097231001	0.0100	0.0100	0.0010
Garber Sandstone	354105097332401	0.0100	0.0100	0.0010
Garber Sandstone	354208097330201	0.0100	0.0100	0.0030
Garber Sandstone	354208097330201	0.0100	0.0100	0.0100
Garber Sandstone	354208097330201	0.0100	0.0100	0.0060
Garber Sandstone	354208097330201	0.0100	0.0100	0.0110
Garber Sandstone	354208097330201	0.0100	0.0100	0.0020
Garber Sandstone	354208097330201	0.0100	0.0100	0.0030
Garber Sandstone	354208097330201	0.0100	0.0100	0.0030
Garber Sandstone	354208097330201	0.0100	0.0100	0.0040
Garber Sandstone	354208097330201	0.0200	0.0100	0.3800
Garber Sandstone	354606097315601	0.0100	0.0100	0.0010
Garber Sandstone	354620097315201	0.0100	0.0100	0.0020
Garber Sandstone	354755097392001	0.0100	0.0100	0.0050
Garber Sandstone	354758097295201	0.0100	0.0100	0.0130
Garber Sandstone	355052097284301	0.0100	0.0100	0.0010
Garber Sandstone	355118097250001	0.0100	0.0100	0.2500
Garber Sandstone	355118097250001	0.0100	0.0100	0.0750
Garber Sandstone	355120097233001	0.0100	0.0100	0.0010
Garber Sandstone	355141097201401	0.0100	0.0100	0.0020
Garber Sandstone	355321097270301	0.0100	0.0100	0.0010
Garber Sandstone	355353097373901	0.0040	0.0040	0.0003
Garber Sandstone	355543097284701			0.0050
Garber Sandstone	355614097183001	0.0100	0.0100	0.0070
Garber Sandstone	355818097280301	0.0040	0.0040	0.0002
Garber Sandstone	355915097305401	0.0040	0.0040	0.0002
Garber Sandstone	361833097352901			
Garber Wellington Aquifer	350055097125402	0.0100	0.0100	0.0030
Garber Wellington Aquifer	350101097125401	0.0100	0.0100	0.0060
Garber Wellington Aquifer	350203097072201	0.0100	0.0100	0.0010
Garber Wellington Aquifer	350240097064101	0.0100	0.0100	0.0010
Garber Wellington Aquifer	350419097093801			
Garber Wellington Aquifer	350747097113701			
Garber Wellington Aquifer	350756097232001	0.0200	0.0100	0.0020
Garber Wellington Aquifer	350845097214501	0.0100	0.0100	0.0020
Garber Wellington Aquifer	351118097114901	0.0100	0.0100	0.0010
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351208097190001			0.0050

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Sandstone	353910097284801				
Garber Sandstone	354012097231001	0.0010	0.0720	0.1600	0.0070
Garber Sandstone	354012097231001	0.0010	0.3000	0.0070	0.0650
Garber Sandstone	354105097332401	0.0030	1.2000	0.0380	0.0030
Garber Sandstone	354208097330201	0.0010	1.1000	0.0220	0.0890
Garber Sandstone	354208097330201	0.0030	0.9400	0.0350	0.0950
Garber Sandstone	354208097330201	0.0010	0.5200	0.0110	0.1000
Garber Sandstone	354208097330201	0.0010	0.6900	0.0270	0.1900
Garber Sandstone	354208097330201	0.0010	1.5000	0.0260	0.1100
Garber Sandstone	354208097330201	0.0010	1.4000	0.0250	0.1100
Garber Sandstone	354208097330201	0.0010	1.4000	0.0240	0.1100
Garber Sandstone	354208097330201	0.0020	0.7300	0.0160	0.0930
Garber Sandstone	354208097330201	0.0010	0.0930	0.8800	0.0040
Garber Sandstone	354606097315601	0.0010	0.3300	0.0070	0.0080
Garber Sandstone	354620097315201	0.0020	0.3400	0.0060	0.0130
Garber Sandstone	354755097392001	0.0010	2.6000	0.0100	0.0080
Garber Sandstone	354758097295201	0.0010	0.5100	0.0950	0.0030
Garber Sandstone	355052097284301	0.0010	0.6100	0.0080	0.0930
Garber Sandstone	355118097250001	0.0010	0.3300	0.9100	0.0030
Garber Sandstone	355118097250001	0.0010	0.0960	0.4500	0.0030
Garber Sandstone	355120097233001	0.0010	0.0910	0.0060	0.0470
Garber Sandstone	355141097201401	0.0010	0.3500	0.0110	0.0030
Garber Sandstone	355321097270301	0.0010	0.4000	0.0060	0.0070
Garber Sandstone	355353097373901	0.0020		0.0040	0.0130
Garber Sandstone	355543097284701				0.1000
Garber Sandstone	355614097183001	0.0010	1.1000	0.0200	0.0060
Garber Sandstone	355818097280301	0.0020		0.0040	1.0270
Garber Sandstone	355915097305401	0.0020		0.0040	0.5660
Garber Sandstone	361833097352901				
Garber Wellington Aquifer	350055097125402	0.0010	0.3300	0.0400	0.0030
Garber Wellington Aquifer	350101097125401	0.0010	0.0610	0.0220	0.0030
Garber Wellington Aquifer	350203097072201	0.0010	0.1500	0.0060	0.0070
Garber Wellington Aquifer	350240097064101	0.0010	0.7700	0.0240	0.0150
Garber Wellington Aquifer	350419097093801				
Garber Wellington Aquifer	350747097113701				
Garber Wellington Aquifer	350756097232001	0.0010	0.0830	0.1100	0.0050
Garber Wellington Aquifer	350845097214501	0.0010	1.3000	0.0250	0.0030
Garber Wellington Aquifer	351118097114901	0.0010	0.0380	0.0060	0.0110
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351208097190001				

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351208097190001	7/29/1986	315.0	96.0
Garber Wellington Aquifer	351214097192701	7/29/1986	115.0	35.1
Garber Wellington Aquifer	351214097192701	7/29/1986	135.0	41.1
Garber Wellington Aquifer	351219097262301	4/25/1988		
Garber Wellington Aquifer	351236097262801	4/25/1988		
Garber Wellington Aquifer	351239097221101	9/24/1986	155.0	47.2
Garber Wellington Aquifer	351239097221101	9/24/1986	195.0	59.4
Garber Wellington Aquifer	351239097221101	9/24/1986	275.0	83.8
Garber Wellington Aquifer	351239097221101	9/24/1986	335.0	102.1
Garber Wellington Aquifer	351239097221101	9/24/1986	355.0	108.2
Garber Wellington Aquifer	351239097221101	9/24/1986	455.0	138.7
Garber Wellington Aquifer	351239097221101	9/24/1986	495.0	150.9
Garber Wellington Aquifer	351239097221101	9/24/1986	515.0	157.0
Garber Wellington Aquifer	351349097175501	7/29/1986	75.0	22.9
Garber Wellington Aquifer	351349097175501	7/29/1986	95.0	29.0
Garber Wellington Aquifer	351349097175501	7/29/1986	120.0	36.6
Garber Wellington Aquifer	351349097175501	7/29/1986	135.0	41.1
Garber Wellington Aquifer	351349097175501	7/29/1986	175.0	53.3
Garber Wellington Aquifer	351349097175501	7/29/1986	205.0	62.5
Garber Wellington Aquifer	351349097175501	7/29/1986	225.0	68.6
Garber Wellington Aquifer	351349097175501	7/29/1986	251.0	76.5
Garber Wellington Aquifer	351349097175501	7/29/1986	274.0	83.5
Garber Wellington Aquifer	351349097175501	7/29/1986	283.0	86.3
Garber Wellington Aquifer	351349097175501	7/29/1986	340.0	103.6
Garber Wellington Aquifer	351349097175501	7/29/1986	360.0	109.7
Garber Wellington Aquifer	351349097175501	7/29/1986	415.0	126.5
Garber Wellington Aquifer	351349097175501	7/29/1986	463.0	141.1
Garber Wellington Aquifer	351349097175501	7/29/1986	475.0	144.8
Garber Wellington Aquifer	351349097175501	7/29/1986	515.0	157.0
Garber Wellington Aquifer	351414097293901	8/3/1987		
Garber Wellington Aquifer	351455097153301	9/23/1986	140.0	42.7
Garber Wellington Aquifer	351455097153301	9/23/1986	175.0	53.3
Garber Wellington Aquifer	351455097153301	9/23/1986	195.0	59.4
Garber Wellington Aquifer	351455097153301	9/23/1986	235.0	71.6
Garber Wellington Aquifer	351455097153301	9/23/1986	255.0	77.7
Garber Wellington Aquifer	351455097153301	9/23/1986	315.0	96.0
Garber Wellington Aquifer	351455097153301	9/23/1986	405.0	123.4
Garber Wellington Aquifer	351455097153301	9/23/1986	455.0	138.7
Garber Wellington Aquifer	351455097153301	9/23/1986	475.0	144.8
Garber Wellington Aquifer	351455097153301	9/23/1986	515.0	157.0
Garber Wellington Aquifer	351455097153301	9/23/1986	595.0	181.4
Garber Wellington Aquifer	351455097153301	9/23/1986	615.0	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	115.0	35.1
Garber Wellington Aquifer	351537097180201	7/29/1986	160.0	48.8

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351214097192701				
Garber Wellington Aquifer	351214097192701				
Garber Wellington Aquifer	351219097262301	0.0100	0.0010	0.0140	0.0420
Garber Wellington Aquifer	351236097262801	0.0100	0.0050	0.0420	0.0410
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351414097293901	0.0200		0.0140	0.0160
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Wellington Aquifer	351208097190001			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351219097262301	0.0005	3.5000	0.0010
Garber Wellington Aquifer	351236097262801	0.0018	3.1000	0.0010
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351239097221101			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351349097175501			
Garber Wellington Aquifer	351414097293901	0.0005	4.9000	0.0010
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351455097153301			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Wellington Aquifer	351208097190001	0.0100			0.6000
Garber Wellington Aquifer	351214097192701	0.0100			0.5000
Garber Wellington Aquifer	351214097192701	0.0100			0.4000
Garber Wellington Aquifer	351219097262301	0.0140	0.0030	0.0100	1.3000
Garber Wellington Aquifer	351236097262801	0.1000	0.0030	0.0100	1.2000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351239097221101	0.0100			0.1000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.3000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.2000
Garber Wellington Aquifer	351349097175501	0.0100			0.3000
Garber Wellington Aquifer	351349097175501	0.0100			0.3000
Garber Wellington Aquifer	351349097175501	0.0100			0.3000
Garber Wellington Aquifer	351414097293901	0.0005	0.0030	0.0100	2.4000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.0100			0.1000
Garber Wellington Aquifer	351455097153301	0.1100			0.2000
Garber Wellington Aquifer	351455097153301	0.1200			0.2000
Garber Wellington Aquifer	351455097153301	0.1300			0.2000
Garber Wellington Aquifer	351455097153301	0.0800			0.3000
Garber Wellington Aquifer	351455097153301	0.0800			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Wellington Aquifer	351208097190001		0.9000	
Garber Wellington Aquifer	351214097192701		3.8000	
Garber Wellington Aquifer	351214097192701		0.5000	
Garber Wellington Aquifer	351219097262301	0.0130	0.0040	0.0100
Garber Wellington Aquifer	351236097262801	0.0930	0.0030	0.0100
Garber Wellington Aquifer	351239097221101		0.3000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351239097221101		0.2000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351239097221101		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.3000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351349097175501		0.1000	
Garber Wellington Aquifer	351414097293901		0.0360	0.0200
Garber Wellington Aquifer	351455097153301		0.5000	
Garber Wellington Aquifer	351455097153301		0.3000	
Garber Wellington Aquifer	351455097153301		0.1000	
Garber Wellington Aquifer	351455097153301		0.1000	
Garber Wellington Aquifer	351455097153301		0.1000	
Garber Wellington Aquifer	351455097153301		0.9000	
Garber Wellington Aquifer	351455097153301		0.1000	
Garber Wellington Aquifer	351455097153301		4.0000	
Garber Wellington Aquifer	351455097153301		5.2000	
Garber Wellington Aquifer	351455097153301		6.1000	
Garber Wellington Aquifer	351455097153301		2.8000	
Garber Wellington Aquifer	351455097153301		1.3000	
Garber Wellington Aquifer	351537097180201		2.5000	
Garber Wellington Aquifer	351537097180201		8.2000	

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Wellington Aquifer	351208097190001		0.0400	
Garber Wellington Aquifer	351214097192701			
Garber Wellington Aquifer	351214097192701		0.1000	
Garber Wellington Aquifer	351219097262301	0.0130	0.0010	0.0001
Garber Wellington Aquifer	351236097262801	0.0080	0.0010	0.0001
Garber Wellington Aquifer	351239097221101		0.1100	
Garber Wellington Aquifer	351239097221101		0.0800	
Garber Wellington Aquifer	351239097221101		0.0600	
Garber Wellington Aquifer	351239097221101		0.0800	
Garber Wellington Aquifer	351239097221101		0.0800	
Garber Wellington Aquifer	351239097221101		0.0600	
Garber Wellington Aquifer	351239097221101		0.0400	
Garber Wellington Aquifer	351239097221101		0.0400	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351349097175501		0.0200	
Garber Wellington Aquifer	351414097293901	0.0280	0.0010	
Garber Wellington Aquifer	351455097153301		0.0500	
Garber Wellington Aquifer	351455097153301		0.2400	
Garber Wellington Aquifer	351455097153301		0.0400	
Garber Wellington Aquifer	351455097153301		0.0500	
Garber Wellington Aquifer	351455097153301		0.0400	
Garber Wellington Aquifer	351455097153301		0.1600	
Garber Wellington Aquifer	351455097153301		0.0400	
Garber Wellington Aquifer	351455097153301		0.0700	
Garber Wellington Aquifer	351455097153301		0.0900	
Garber Wellington Aquifer	351455097153301		0.1000	
Garber Wellington Aquifer	351455097153301		0.0300	
Garber Wellington Aquifer	351455097153301		0.0200	
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201		0.3300	

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Wellington Aquifer	351208097190001			0.0050
Garber Wellington Aquifer	351214097192701			0.0330
Garber Wellington Aquifer	351214097192701			0.0120
Garber Wellington Aquifer	351219097262301	0.0400	0.0100	0.1500
Garber Wellington Aquifer	351236097262801	0.0300	0.0100	0.0730
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0050
Garber Wellington Aquifer	351239097221101			0.0300
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0050
Garber Wellington Aquifer	351349097175501			0.0080
Garber Wellington Aquifer	351414097293901	0.0400	0.0100	0.0010
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0050
Garber Wellington Aquifer	351455097153301			0.0350
Garber Wellington Aquifer	351455097153301			0.0390
Garber Wellington Aquifer	351455097153301			0.0440
Garber Wellington Aquifer	351455097153301			0.0470
Garber Wellington Aquifer	351455097153301			0.0390
Garber Wellington Aquifer	351537097180201			0.0170
Garber Wellington Aquifer	351537097180201			0.0050

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Wellington Aquifer	351208097190001				
Garber Wellington Aquifer	351214097192701				
Garber Wellington Aquifer	351214097192701				
Garber Wellington Aquifer	351219097262301	0.0010	0.1100	0.2500	0.0030
Garber Wellington Aquifer	351236097262801	0.0010	0.0790	0.4900	0.0030
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351239097221101				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351349097175501				
Garber Wellington Aquifer	351414097293901	0.0010	0.0970	0.0070	0.0030
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351455097153301				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351537097180201	7/29/1986	185.0	56.4
Garber Wellington Aquifer	351537097180201	7/29/1986	215.0	65.5
Garber Wellington Aquifer	351537097180201	7/29/1986	295.0	89.9
Garber Wellington Aquifer	351537097180201	7/29/1986	335.0	102.1
Garber Wellington Aquifer	351537097180201	7/29/1986	455.0	138.7
Garber Wellington Aquifer	351537097180201	7/29/1986	495.0	150.9
Garber Wellington Aquifer	351537097180201	7/29/1986	515.0	157.0
Garber Wellington Aquifer	351537097180201	7/29/1986	555.0	169.2
Garber Wellington Aquifer	351537097180201	7/29/1986	595.0	181.4
Garber Wellington Aquifer	351537097180201	7/29/1986	615.0	187.5
Garber Wellington Aquifer	351537097180201	7/29/1986	655.0	199.6
Garber Wellington Aquifer	351537097180201	7/29/1986	765.0	233.2
Garber Wellington Aquifer	351537097180201	7/29/1986	795.0	242.3
Garber Wellington Aquifer	351543097200601	7/29/1986	115.0	35.1
Garber Wellington Aquifer	351543097200601	7/29/1986	155.0	47.2
Garber Wellington Aquifer	351543097200601	7/29/1986	213.0	64.9
Garber Wellington Aquifer	351543097200601	7/29/1986	235.0	71.6
Garber Wellington Aquifer	351543097200601	7/29/1986	275.0	83.8
Garber Wellington Aquifer	351543097200601	7/29/1986	310.0	94.5
Garber Wellington Aquifer	351543097200601	7/29/1986	355.0	108.2
Garber Wellington Aquifer	351543097200601	7/29/1986	395.0	120.4
Garber Wellington Aquifer	351543097200601	7/29/1986	445.0	135.6
Garber Wellington Aquifer	351543097200601	7/29/1986	475.0	144.8
Garber Wellington Aquifer	351543097200601	7/29/1986	535.0	163.1
Garber Wellington Aquifer	351543097200601	7/29/1986	615.0	187.5
Garber Wellington Aquifer	351543097200601	7/29/1986	635.0	193.5
Garber Wellington Aquifer	351543097200601	7/29/1986	655.0	199.6
Garber Wellington Aquifer	351543097200601	7/29/1986	675.0	205.7
Garber Wellington Aquifer	351543097200601	7/29/1986	695.0	211.8
Garber Wellington Aquifer	351611097042001	9/8/1987		
Garber Wellington Aquifer	351624097082401	6/7/1988		
Garber Wellington Aquifer	351630097190001	8/20/1986		
Garber Wellington Aquifer	351632097200601	7/29/1986	115.0	35.1
Garber Wellington Aquifer	351632097200601	7/29/1986	155.0	47.2
Garber Wellington Aquifer	351632097200601	7/29/1986	215.0	65.5
Garber Wellington Aquifer	351632097200601	7/29/1986	335.0	102.1
Garber Wellington Aquifer	351632097200601	7/29/1986	355.0	108.2
Garber Wellington Aquifer	351632097200601	7/29/1986	395.0	120.4
Garber Wellington Aquifer	351632097200601	7/29/1986	415.0	126.5
Garber Wellington Aquifer	351632097200601	7/29/1986	435.0	132.6
Garber Wellington Aquifer	351632097200601	7/29/1986	475.0	144.8
Garber Wellington Aquifer	351632097200601	7/29/1986	515.0	157.0
Garber Wellington Aquifer	351632097200601	7/29/1986	575.0	175.3
Garber Wellington Aquifer	351632097200601	7/29/1986	615.0	187.5

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351611097042001	0.0100		0.0010	0.1800
Garber Wellington Aquifer	351624097082401	0.0100	0.0010	0.0010	0.4900
Garber Wellington Aquifer	351630097190001			0.0100	
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351537097180201			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351543097200601			
Garber Wellington Aquifer	351611097042001	0.0005	0.0500	0.0010
Garber Wellington Aquifer	351624097082401	0.0005	0.0900	0.0010
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.3000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0100			0.2000
Garber Wellington Aquifer	351537097180201	0.0200			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.4000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0100			0.3000
Garber Wellington Aquifer	351543097200601	0.0800			1.8000
Garber Wellington Aquifer	351611097042001	0.0006	0.0030	0.0100	0.2000
Garber Wellington Aquifer	351624097082401	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	351630097190001				
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.2000
Garber Wellington Aquifer	351632097200601	0.0100			0.5000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Wellington Aquifer	351537097180201		1.0000	
Garber Wellington Aquifer	351537097180201		1.8000	
Garber Wellington Aquifer	351537097180201		0.1000	
Garber Wellington Aquifer	351537097180201		2.0000	
Garber Wellington Aquifer	351537097180201		0.9000	
Garber Wellington Aquifer	351537097180201		0.8000	
Garber Wellington Aquifer	351537097180201		24.4000	
Garber Wellington Aquifer	351537097180201		1.6000	
Garber Wellington Aquifer	351537097180201		5.4000	
Garber Wellington Aquifer	351537097180201		2.0000	
Garber Wellington Aquifer	351537097180201		3.0000	
Garber Wellington Aquifer	351537097180201		2.2000	
Garber Wellington Aquifer	351537097180201		2.7000	
Garber Wellington Aquifer	351543097200601		1.6000	
Garber Wellington Aquifer	351543097200601		0.5000	
Garber Wellington Aquifer	351543097200601		1.4000	
Garber Wellington Aquifer	351543097200601		0.8000	
Garber Wellington Aquifer	351543097200601		0.8000	
Garber Wellington Aquifer	351543097200601		1.4000	
Garber Wellington Aquifer	351543097200601		3.1000	
Garber Wellington Aquifer	351543097200601		1.5000	
Garber Wellington Aquifer	351543097200601		5.9000	
Garber Wellington Aquifer	351543097200601		1.5000	
Garber Wellington Aquifer	351543097200601		1.2000	
Garber Wellington Aquifer	351543097200601		1.1000	
Garber Wellington Aquifer	351543097200601		2.4000	
Garber Wellington Aquifer	351543097200601		1.7000	
Garber Wellington Aquifer	351543097200601		1.1000	
Garber Wellington Aquifer	351543097200601		1.1000	
Garber Wellington Aquifer	351611097042001		0.0150	0.0100
Garber Wellington Aquifer	351624097082401	0.0010	0.0040	0.0100
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601		0.3000	
Garber Wellington Aquifer	351632097200601		0.5000	
Garber Wellington Aquifer	351632097200601		1.9000	
Garber Wellington Aquifer	351632097200601		0.2000	
Garber Wellington Aquifer	351632097200601		0.3000	
Garber Wellington Aquifer	351632097200601		0.6000	
Garber Wellington Aquifer	351632097200601		0.7000	
Garber Wellington Aquifer	351632097200601		0.5000	
Garber Wellington Aquifer	351632097200601		0.1000	
Garber Wellington Aquifer	351632097200601		0.4000	
Garber Wellington Aquifer	351632097200601		0.5000	
Garber Wellington Aquifer	351632097200601		0.1000	

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Wellington Aquifer	351537097180201		0.0300	
Garber Wellington Aquifer	351537097180201		0.0400	
Garber Wellington Aquifer	351537097180201		0.0200	
Garber Wellington Aquifer	351537097180201		0.0400	
Garber Wellington Aquifer	351537097180201		0.0200	
Garber Wellington Aquifer	351537097180201		0.0400	
Garber Wellington Aquifer	351537097180201		0.8500	
Garber Wellington Aquifer	351537097180201		0.0300	
Garber Wellington Aquifer	351537097180201		0.1200	
Garber Wellington Aquifer	351537097180201		0.0300	
Garber Wellington Aquifer	351537097180201		0.0400	
Garber Wellington Aquifer	351537097180201		0.0200	
Garber Wellington Aquifer	351537097180201		0.0500	
Garber Wellington Aquifer	351543097200601		0.0300	
Garber Wellington Aquifer	351543097200601		0.0200	
Garber Wellington Aquifer	351543097200601		0.0500	
Garber Wellington Aquifer	351543097200601		0.0400	
Garber Wellington Aquifer	351543097200601		0.0300	
Garber Wellington Aquifer	351543097200601		0.0500	
Garber Wellington Aquifer	351543097200601		0.0900	
Garber Wellington Aquifer	351543097200601		0.0700	
Garber Wellington Aquifer	351543097200601		0.1200	
Garber Wellington Aquifer	351543097200601		0.1100	
Garber Wellington Aquifer	351543097200601		0.0800	
Garber Wellington Aquifer	351543097200601		0.0800	
Garber Wellington Aquifer	351543097200601		0.1300	
Garber Wellington Aquifer	351543097200601		0.0800	
Garber Wellington Aquifer	351543097200601		0.1000	
Garber Wellington Aquifer	351543097200601		0.0200	
Garber Wellington Aquifer	351611097042001	0.0070	0.0010	
Garber Wellington Aquifer	351624097082401	0.0280	0.0010	0.0001
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601		0.4100	
Garber Wellington Aquifer	351632097200601		0.3800	
Garber Wellington Aquifer	351632097200601		0.1200	
Garber Wellington Aquifer	351632097200601		0.1200	
Garber Wellington Aquifer	351632097200601		0.1500	
Garber Wellington Aquifer	351632097200601		0.1200	
Garber Wellington Aquifer	351632097200601		0.1200	
Garber Wellington Aquifer	351632097200601		0.1100	
Garber Wellington Aquifer	351632097200601		0.0400	
Garber Wellington Aquifer	351632097200601		0.0300	
Garber Wellington Aquifer	351632097200601		0.0700	
Garber Wellington Aquifer	351632097200601		0.0500	

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351537097180201			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0100
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.0140
Garber Wellington Aquifer	351543097200601			0.0050
Garber Wellington Aquifer	351543097200601			0.1500
Garber Wellington Aquifer	351611097042001	0.0100	0.0100	0.0010
Garber Wellington Aquifer	351624097082401	0.0100	0.0100	0.0010
Garber Wellington Aquifer	351630097190001			
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0150
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0700

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351537097180201				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351543097200601				
Garber Wellington Aquifer	351611097042001	0.0010	0.1200	0.0060	0.0050
Garber Wellington Aquifer	351624097082401	0.0010	0.2000	0.0060	0.0060
Garber Wellington Aquifer	351630097190001				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	351632097200601	7/29/1986	635.0	193.5
Garber Wellington Aquifer	351632097200601	7/29/1986	695.0	211.8
Garber Wellington Aquifer	351632097200601	7/29/1986	715.0	217.9
Garber Wellington Aquifer	351715097032501	8/18/1986		
Garber Wellington Aquifer	351729097221301	10/15/1987		
Garber Wellington Aquifer	351729097221302	9/23/1986	95.0	29.0
Garber Wellington Aquifer	351729097221302	9/23/1986	135.0	41.1
Garber Wellington Aquifer	351729097221302	9/23/1986	175.0	53.3
Garber Wellington Aquifer	351729097221302	9/23/1986	215.0	65.5
Garber Wellington Aquifer	351729097221302	9/23/1986	250.0	76.2
Garber Wellington Aquifer	351729097221302	9/23/1986	275.0	83.8
Garber Wellington Aquifer	351729097221302	9/23/1986	315.0	96.0
Garber Wellington Aquifer	351729097221302	9/23/1986	395.0	120.4
Garber Wellington Aquifer	351729097221302	9/23/1986	415.0	126.5
Garber Wellington Aquifer	351729097221302	9/23/1986	435.0	132.6
Garber Wellington Aquifer	351729097221302	9/23/1986	515.0	157.0
Garber Wellington Aquifer	351729097221302	9/23/1986	535.0	163.1
Garber Wellington Aquifer	351729097221302	9/23/1986	585.0	178.3
Garber Wellington Aquifer	351729097221302	9/23/1986	655.0	199.6
Garber Wellington Aquifer	351729097221302	9/23/1986	715.0	217.9
Garber Wellington Aquifer	351729097221302	9/23/1986	755.0	230.1
Garber Wellington Aquifer	351729097221302	9/23/1986	795.0	242.3
Garber Wellington Aquifer	351729097221302	10/22/1987		
Garber Wellington Aquifer	351817097155201	7/29/1986	100.0	30.5
Garber Wellington Aquifer	351817097155201	7/29/1986	140.0	42.7
Garber Wellington Aquifer	351817097155201	7/29/1986	195.0	59.4
Garber Wellington Aquifer	351817097155201	7/29/1986	220.0	67.1
Garber Wellington Aquifer	351817097155201	7/29/1986	295.0	89.9
Garber Wellington Aquifer	351817097155201	7/29/1986	355.0	108.2
Garber Wellington Aquifer	351817097155201	7/29/1986	395.0	120.4
Garber Wellington Aquifer	351817097155201	7/29/1986	415.0	126.5
Garber Wellington Aquifer	351817097155201	7/29/1986	495.0	150.9
Garber Wellington Aquifer	351817097155201	7/29/1986	535.0	163.1
Garber Wellington Aquifer	351817097155201	7/29/1986	555.0	169.2
Garber Wellington Aquifer	351817097155201	7/29/1986	655.0	199.6
Garber Wellington Aquifer	351817097155201	7/29/1986	715.0	217.9
Garber Wellington Aquifer	351817097155201	10/7/1987		
Garber Wellington Aquifer	351858097124801	8/20/1986		
Garber Wellington Aquifer	352043097282001	4/19/1988		
Garber Wellington Aquifer	352054097322101	10/24/1985		
Garber Wellington Aquifer	352123097282301	4/19/1988		
Garber Wellington Aquifer	352142097103501	6/17/1988	257.5	78.5
Garber Wellington Aquifer	352142097103501	6/20/1988	156.2	47.6
Garber Wellington Aquifer	352142097103501	6/21/1988	101.0	30.8

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351715097032501			0.0100	
Garber Wellington Aquifer	351729097221301	0.0100		0.0010	0.3100
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302	0.0400		0.0280	0.0520
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201	0.0100		0.0010	0.5100
Garber Wellington Aquifer	351858097124801			0.0100	
Garber Wellington Aquifer	352043097282001	0.0100	0.0010	0.0320	0.1800
Garber Wellington Aquifer	352054097322101				
Garber Wellington Aquifer	352123097282301	0.0100	0.0010	0.0080	0.1400
Garber Wellington Aquifer	352142097103501	0.0100		0.0010	0.3500
Garber Wellington Aquifer	352142097103501	0.0100		0.0010	0.1800
Garber Wellington Aquifer	352142097103501	0.0100		0.0010	0.3200

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351632097200601			
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301	0.0005	0.1660	0.0010
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302			
Garber Wellington Aquifer	351729097221302	0.0005	1.1000	0.0010
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201	0.0005	0.1400	0.0010
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352043097282001	0.0010	1.0000	0.0010
Garber Wellington Aquifer	352054097322101			
Garber Wellington Aquifer	352123097282301	0.0005	0.5100	0.0010
Garber Wellington Aquifer	352142097103501	0.0005	0.1000	0.0010
Garber Wellington Aquifer	352142097103501	0.0005	0.0800	0.0010
Garber Wellington Aquifer	352142097103501	0.0005	0.0800	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Wellington Aquifer	351632097200601	0.0100			0.6000
Garber Wellington Aquifer	351632097200601	0.0100			0.7000
Garber Wellington Aquifer	351632097200601	0.0100			1.0000
Garber Wellington Aquifer	351715097032501				
Garber Wellington Aquifer	351729097221301	0.0043	0.0030	0.0100	0.3000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0200			0.1000
Garber Wellington Aquifer	351729097221302	0.0200			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0100			0.1000
Garber Wellington Aquifer	351729097221302	0.0740	0.0030	0.0300	0.6000
Garber Wellington Aquifer	351817097155201	0.0100			0.6000
Garber Wellington Aquifer	351817097155201	0.0100			1.1000
Garber Wellington Aquifer	351817097155201	0.0100			0.4000
Garber Wellington Aquifer	351817097155201	0.0100			0.3000
Garber Wellington Aquifer	351817097155201	0.0100			0.4000
Garber Wellington Aquifer	351817097155201	0.0100			0.4000
Garber Wellington Aquifer	351817097155201	0.0100			0.3000
Garber Wellington Aquifer	351817097155201	0.0100			0.2000
Garber Wellington Aquifer	351817097155201	0.0100			0.2000
Garber Wellington Aquifer	351817097155201	0.0100			0.2000
Garber Wellington Aquifer	351817097155201	0.0100			0.2000
Garber Wellington Aquifer	351817097155201	0.0100			1.3000
Garber Wellington Aquifer	351817097155201	0.0100			1.2000
Garber Wellington Aquifer	351817097155201	0.0023	0.0030	0.0100	0.2000
Garber Wellington Aquifer	351858097124801				
Garber Wellington Aquifer	352043097282001	0.0590	0.0030	0.0100	0.5000
Garber Wellington Aquifer	352054097322101				
Garber Wellington Aquifer	352123097282301	0.0440	0.0030	0.0100	0.4000
Garber Wellington Aquifer	352142097103501	0.0080	0.0030	0.0100	0.3000
Garber Wellington Aquifer	352142097103501	0.0050	0.0030	0.0100	0.3000
Garber Wellington Aquifer	352142097103501	0.0050	0.0030	0.0100	0.2000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Wellington Aquifer	351632097200601		0.2000	
Garber Wellington Aquifer	351632097200601		0.4000	
Garber Wellington Aquifer	351632097200601		0.5000	
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301		0.0030	0.0200
Garber Wellington Aquifer	351729097221302		0.5000	
Garber Wellington Aquifer	351729097221302		0.4000	
Garber Wellington Aquifer	351729097221302		0.5000	
Garber Wellington Aquifer	351729097221302		0.8000	
Garber Wellington Aquifer	351729097221302		1.4000	
Garber Wellington Aquifer	351729097221302		0.5000	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		0.2000	
Garber Wellington Aquifer	351729097221302		0.3000	
Garber Wellington Aquifer	351729097221302		1.0000	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		2.8000	
Garber Wellington Aquifer	351729097221302		0.7000	
Garber Wellington Aquifer	351729097221302		0.9000	
Garber Wellington Aquifer	351729097221302		0.8000	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		0.0100	0.0200
Garber Wellington Aquifer	351817097155201		11.1000	
Garber Wellington Aquifer	351817097155201		0.9000	
Garber Wellington Aquifer	351817097155201		0.3000	
Garber Wellington Aquifer	351817097155201		0.8000	
Garber Wellington Aquifer	351817097155201		0.5000	
Garber Wellington Aquifer	351817097155201		1.6000	
Garber Wellington Aquifer	351817097155201		0.6000	
Garber Wellington Aquifer	351817097155201		0.3000	
Garber Wellington Aquifer	351817097155201		0.3000	
Garber Wellington Aquifer	351817097155201		0.3000	
Garber Wellington Aquifer	351817097155201		0.2000	
Garber Wellington Aquifer	351817097155201		0.2000	
Garber Wellington Aquifer	351817097155201		0.4000	
Garber Wellington Aquifer	351817097155201		0.0060	0.0100
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352043097282001	0.0650	0.0030	0.0100
Garber Wellington Aquifer	352054097322101	0.0990		
Garber Wellington Aquifer	352123097282301	0.0470	0.0030	0.0100
Garber Wellington Aquifer	352142097103501	0.0040	0.0140	0.0100
Garber Wellington Aquifer	352142097103501	0.0020	0.0050	0.0100
Garber Wellington Aquifer	352142097103501	0.0010	0.0030	0.0100

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Wellington Aquifer	351632097200601		0.0800	
Garber Wellington Aquifer	351632097200601		0.0700	
Garber Wellington Aquifer	351632097200601		0.1200	
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301	0.0230	0.0010	
Garber Wellington Aquifer	351729097221302		0.1200	
Garber Wellington Aquifer	351729097221302		0.0500	
Garber Wellington Aquifer	351729097221302		0.0800	
Garber Wellington Aquifer	351729097221302		0.1900	
Garber Wellington Aquifer	351729097221302		0.1200	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		0.1700	
Garber Wellington Aquifer	351729097221302		0.1100	
Garber Wellington Aquifer	351729097221302		0.1000	
Garber Wellington Aquifer	351729097221302		0.0800	
Garber Wellington Aquifer	351729097221302		0.1100	
Garber Wellington Aquifer	351729097221302		0.0700	
Garber Wellington Aquifer	351729097221302		0.1100	
Garber Wellington Aquifer	351729097221302		0.0200	
Garber Wellington Aquifer	351729097221302		0.1500	
Garber Wellington Aquifer	351729097221302		0.1200	
Garber Wellington Aquifer	351729097221302		0.0900	
Garber Wellington Aquifer	351729097221302	0.0100	0.0090	
Garber Wellington Aquifer	351817097155201		0.2100	
Garber Wellington Aquifer	351817097155201		0.0300	
Garber Wellington Aquifer	351817097155201		0.0500	
Garber Wellington Aquifer	351817097155201		0.0300	
Garber Wellington Aquifer	351817097155201		0.0200	
Garber Wellington Aquifer	351817097155201		0.0400	
Garber Wellington Aquifer	351817097155201		0.0400	
Garber Wellington Aquifer	351817097155201		0.0500	
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201			
Garber Wellington Aquifer	351817097155201	0.0150	0.0070	
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352043097282001	0.0080	0.0010	0.0001
Garber Wellington Aquifer	352054097322101			
Garber Wellington Aquifer	352123097282301	0.0070	0.0010	0.0001
Garber Wellington Aquifer	352142097103501	0.0220	0.0020	0.0001
Garber Wellington Aquifer	352142097103501	0.0200	0.0080	0.0001
Garber Wellington Aquifer	352142097103501	0.0230	0.0010	0.0001

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Wellington Aquifer	351632097200601			0.0050
Garber Wellington Aquifer	351632097200601			0.0240
Garber Wellington Aquifer	351632097200601			0.0180
Garber Wellington Aquifer	351715097032501			
Garber Wellington Aquifer	351729097221301	0.0100	0.0100	0.0020
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0050
Garber Wellington Aquifer	351729097221302			0.0080
Garber Wellington Aquifer	351729097221302			0.0060
Garber Wellington Aquifer	351729097221302			0.0100
Garber Wellington Aquifer	351729097221302	0.0100	0.0100	0.0310
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0060
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201			0.0050
Garber Wellington Aquifer	351817097155201	0.0100	0.0100	0.0100
Garber Wellington Aquifer	351858097124801			
Garber Wellington Aquifer	352043097282001	0.0100	0.0100	0.0290
Garber Wellington Aquifer	352054097322101			
Garber Wellington Aquifer	352123097282301	0.0100	0.0100	0.0040
Garber Wellington Aquifer	352142097103501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352142097103501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352142097103501	0.0100	0.0100	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351632097200601				
Garber Wellington Aquifer	351715097032501				
Garber Wellington Aquifer	351729097221301	0.0010	0.5000	0.0060	0.0040
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302				
Garber Wellington Aquifer	351729097221302	0.0010	0.2100	0.2700	0.0030
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201				
Garber Wellington Aquifer	351817097155201	0.0010	0.5300	0.0070	0.0070
Garber Wellington Aquifer	351858097124801				
Garber Wellington Aquifer	352043097282001	0.0010	0.3600	0.4000	0.0030
Garber Wellington Aquifer	352054097322101				
Garber Wellington Aquifer	352123097282301	0.0010	0.2900	0.0940	0.0030
Garber Wellington Aquifer	352142097103501	0.0010	0.1800	0.0080	0.1100
Garber Wellington Aquifer	352142097103501	0.0010	0.1000	0.0060	0.0460
Garber Wellington Aquifer	352142097103501	0.0010	0.1200	0.0060	0.0750

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	352142097103501	6/23/1988	189.0	57.6
Garber Wellington Aquifer	352326097044801	6/2/1988		
Garber Wellington Aquifer	352515097370801	4/11/1988		
Garber Wellington Aquifer	352536097072501	8/18/1986		
Garber Wellington Aquifer	352550097055401	8/28/1987		
Garber Wellington Aquifer	352550097055401	4/18/1988		
Garber Wellington Aquifer	352704097220601	2/12/1985		
Garber Wellington Aquifer	352749097192301	8/11/1987		
Garber Wellington Aquifer	352749097192301	4/26/1988		
Garber Wellington Aquifer	352830097100301	8/24/1987		
Garber Wellington Aquifer	352851097093801	4/18/1988		
Garber Wellington Aquifer	352917097380001	1/1/1986	628.0	191.4
Garber Wellington Aquifer	352917097380001	1/1/1986	660.0	201.2
Garber Wellington Aquifer	352917097380001	1/1/1986	681.0	207.6
Garber Wellington Aquifer	352917097380001	1/1/1986	701.0	213.7
Garber Wellington Aquifer	352917097380001	1/1/1986	728.0	221.9
Garber Wellington Aquifer	352917097380001	1/1/1986	756.0	230.4
Garber Wellington Aquifer	352917097380001	1/1/1986	786.0	239.6
Garber Wellington Aquifer	352917097380001	1/1/1986	813.0	247.8
Garber Wellington Aquifer	352917097380001	6/11/1987		
Garber Wellington Aquifer	353126097374101	1/1/1986	450.0	137.2
Garber Wellington Aquifer	353126097374101	1/1/1986	515.0	157.0
Garber Wellington Aquifer	353126097374101	1/1/1986	584.0	178.0
Garber Wellington Aquifer	353126097374101	1/1/1986	615.0	187.5
Garber Wellington Aquifer	353126097374101	1/1/1986	650.0	198.1
Garber Wellington Aquifer	353126097374101	1/1/1986	720.0	219.5
Garber Wellington Aquifer	353126097374101	1/1/1986	760.0	231.6
Garber Wellington Aquifer	353126097374101	1/1/1986	796.0	242.6
Garber Wellington Aquifer	353126097374101	5/7/1987		
Garber Wellington Aquifer	353214097313401	5/20/1986		
Garber Wellington Aquifer	353216097324701	1/30/1986	194.0	59.1
Garber Wellington Aquifer	353216097324701	1/30/1986	260.0	79.2
Garber Wellington Aquifer	353216097324701	1/30/1986	407.0	124.1
Garber Wellington Aquifer	353216097324701	1/30/1986	459.0	139.9
Garber Wellington Aquifer	353216097324701	1/30/1986	533.0	162.5
Garber Wellington Aquifer	353216097324701	1/30/1986	695.0	211.8
Garber Wellington Aquifer	353216097324701	1/30/1986	718.0	218.8
Garber Wellington Aquifer	353241097325501	1/23/1986	281.0	85.6
Garber Wellington Aquifer	353241097325501	1/23/1986	315.0	96.0
Garber Wellington Aquifer	353241097325501	1/23/1986	428.0	130.5
Garber Wellington Aquifer	353241097325501	1/23/1986	500.0	152.4
Garber Wellington Aquifer	353241097325501	1/23/1986	640.0	195.1
Garber Wellington Aquifer	353324097173701	8/20/1987		
Garber Wellington Aquifer	353324097173701	5/9/1988		

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Wellington Aquifer	352142097103501	0.0100		0.0010	0.2500
Garber Wellington Aquifer	352326097044801	0.0100	0.0010	0.0010	0.1600
Garber Wellington Aquifer	352515097370801	0.0100	0.0040	0.1100	0.0820
Garber Wellington Aquifer	352536097072501			0.0100	
Garber Wellington Aquifer	352550097055401	0.0100		0.0010	0.0750
Garber Wellington Aquifer	352550097055401	0.0100	0.0010	0.0010	0.0900
Garber Wellington Aquifer	352704097220601			0.0100	
Garber Wellington Aquifer	352749097192301	0.0100		0.0010	0.4300
Garber Wellington Aquifer	352749097192301	0.0100	0.0010	0.0010	0.4300
Garber Wellington Aquifer	352830097100301	0.0100		0.0010	0.2500
Garber Wellington Aquifer	352851097093801	0.0100	0.0010	0.0010	0.2600
Garber Wellington Aquifer	352917097380001			0.0360	
Garber Wellington Aquifer	352917097380001			0.0680	
Garber Wellington Aquifer	352917097380001			0.0670	
Garber Wellington Aquifer	352917097380001			0.0860	
Garber Wellington Aquifer	352917097380001			0.0700	
Garber Wellington Aquifer	352917097380001			0.0660	
Garber Wellington Aquifer	352917097380001			0.0660	
Garber Wellington Aquifer	352917097380001			0.0900	
Garber Wellington Aquifer	352917097380001			0.0800	
Garber Wellington Aquifer	353126097374101			0.0100	
Garber Wellington Aquifer	353126097374101			0.0100	
Garber Wellington Aquifer	353126097374101			0.0900	
Garber Wellington Aquifer	353126097374101			0.1360	
Garber Wellington Aquifer	353126097374101			0.0760	
Garber Wellington Aquifer	353126097374101			0.0960	
Garber Wellington Aquifer	353126097374101			0.0410	
Garber Wellington Aquifer	353126097374101			0.0530	
Garber Wellington Aquifer	353126097374101			0.0930	
Garber Wellington Aquifer	353214097313401			0.0540	
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353324097173701	0.0100		0.0010	0.3300
Garber Wellington Aquifer	353324097173701	0.0100	0.0010	0.0010	0.3300

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Wellington Aquifer	352142097103501	0.0005	0.0800	0.0010
Garber Wellington Aquifer	352326097044801	0.0005	0.0800	0.0010
Garber Wellington Aquifer	352515097370801	0.0018	1.2000	0.0010
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401	0.0005	0.8200	0.0010
Garber Wellington Aquifer	352550097055401	0.0005	0.4000	0.0010
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352749097192301	0.0005	0.0480	0.0010
Garber Wellington Aquifer	352749097192301	0.0005	0.0500	0.0010
Garber Wellington Aquifer	352830097100301	0.0005	0.3330	0.0010
Garber Wellington Aquifer	352851097093801	0.0005	0.3800	0.0010
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353214097313401			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353324097173701	0.0008	0.0580	0.0010
Garber Wellington Aquifer	353324097173701	0.0005	0.0600	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Wellington Aquifer	352142097103501	0.0050	0.0030	0.0100	0.3000
Garber Wellington Aquifer	352326097044801	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	352515097370801	0.0340	0.0030	0.0100	0.4000
Garber Wellington Aquifer	352536097072501				
Garber Wellington Aquifer	352550097055401	0.0400	0.0030	0.0100	0.6000
Garber Wellington Aquifer	352550097055401	0.0110	0.0030	0.0100	0.2000
Garber Wellington Aquifer	352704097220601				
Garber Wellington Aquifer	352749097192301	0.0060	0.0030	0.0100	0.2000
Garber Wellington Aquifer	352749097192301	0.0080	0.0030	0.0100	0.2000
Garber Wellington Aquifer	352830097100301	0.0140	0.0030	0.0100	0.3000
Garber Wellington Aquifer	352851097093801	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	352917097380001				0.5400
Garber Wellington Aquifer	352917097380001				0.4000
Garber Wellington Aquifer	352917097380001				0.4300
Garber Wellington Aquifer	352917097380001				0.3900
Garber Wellington Aquifer	352917097380001				0.3300
Garber Wellington Aquifer	352917097380001				0.3800
Garber Wellington Aquifer	352917097380001				0.4100
Garber Wellington Aquifer	352917097380001				1.2600
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	353126097374101				0.8500
Garber Wellington Aquifer	353126097374101				0.7900
Garber Wellington Aquifer	353126097374101				0.3400
Garber Wellington Aquifer	353126097374101				0.3000
Garber Wellington Aquifer	353126097374101				0.2800
Garber Wellington Aquifer	353126097374101				0.2900
Garber Wellington Aquifer	353126097374101				1.0400
Garber Wellington Aquifer	353126097374101				0.6400
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353214097313401				
Garber Wellington Aquifer	353216097324701	0.0140			
Garber Wellington Aquifer	353216097324701	0.0100			
Garber Wellington Aquifer	353216097324701	0.0100			
Garber Wellington Aquifer	353216097324701	0.0140			
Garber Wellington Aquifer	353216097324701	0.0520			
Garber Wellington Aquifer	353216097324701	0.0490			
Garber Wellington Aquifer	353216097324701	0.0150			
Garber Wellington Aquifer	353241097325501	0.0120			
Garber Wellington Aquifer	353241097325501	0.0110			
Garber Wellington Aquifer	353241097325501	0.0100			
Garber Wellington Aquifer	353241097325501	0.0170			
Garber Wellington Aquifer	353241097325501	0.0100			
Garber Wellington Aquifer	353324097173701	0.0049	0.0030	0.0100	0.2000
Garber Wellington Aquifer	353324097173701	0.0050	0.0030	0.0100	0.2000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Wellington Aquifer	352142097103501	0.0030	0.0080	0.0100
Garber Wellington Aquifer	352326097044801	0.0020	0.0030	0.0100
Garber Wellington Aquifer	352515097370801	0.0310	0.0040	0.0100
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401		0.0030	0.0100
Garber Wellington Aquifer	352550097055401	0.0110	0.0040	0.0100
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352749097192301		0.0030	0.0100
Garber Wellington Aquifer	352749097192301	0.0050	0.0030	0.0100
Garber Wellington Aquifer	352830097100301		0.0060	0.0100
Garber Wellington Aquifer	352851097093801	0.0130	0.0030	0.0100
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353214097313401	0.1260		
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353324097173701		0.0030	0.0100
Garber Wellington Aquifer	353324097173701	0.0010	0.0030	0.0100

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Wellington Aquifer	352142097103501	0.0340	0.0080	0.0001
Garber Wellington Aquifer	352326097044801	0.0210	0.0010	0.0001
Garber Wellington Aquifer	352515097370801	0.0070	0.0010	0.0001
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401	0.0040	0.0010	
Garber Wellington Aquifer	352550097055401	0.0220	0.0010	0.0002
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352749097192301	0.0080	0.0010	
Garber Wellington Aquifer	352749097192301	0.0130	0.0010	0.0001
Garber Wellington Aquifer	352830097100301	0.0100	0.0010	
Garber Wellington Aquifer	352851097093801	0.0090	0.0010	0.0001
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353214097313401			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353216097324701			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353241097325501			
Garber Wellington Aquifer	353324097173701	0.0040	0.0010	
Garber Wellington Aquifer	353324097173701	0.0040	0.0010	0.0001

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Wellington Aquifer	352142097103501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352326097044801	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352515097370801	0.0100	0.0100	0.0200
Garber Wellington Aquifer	352536097072501			
Garber Wellington Aquifer	352550097055401	0.0100	0.0100	0.0750
Garber Wellington Aquifer	352550097055401	0.0100	0.0100	0.0170
Garber Wellington Aquifer	352704097220601			
Garber Wellington Aquifer	352749097192301	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352749097192301	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352830097100301	0.0100	0.0100	0.0010
Garber Wellington Aquifer	352851097093801	0.0100	0.0100	0.0030
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	352917097380001			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353126097374101			
Garber Wellington Aquifer	353214097313401			
Garber Wellington Aquifer	353216097324701			0.0210
Garber Wellington Aquifer	353216097324701			0.0050
Garber Wellington Aquifer	353216097324701			0.0180
Garber Wellington Aquifer	353216097324701			0.0050
Garber Wellington Aquifer	353216097324701			0.0050
Garber Wellington Aquifer	353216097324701			0.0050
Garber Wellington Aquifer	353216097324701			0.0150
Garber Wellington Aquifer	353241097325501			0.0050
Garber Wellington Aquifer	353241097325501			0.0050
Garber Wellington Aquifer	353241097325501			0.0050
Garber Wellington Aquifer	353241097325501			0.0050
Garber Wellington Aquifer	353241097325501			0.0050
Garber Wellington Aquifer	353324097173701	0.0100	0.0100	0.0010
Garber Wellington Aquifer	353324097173701	0.0100	0.0100	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Wellington Aquifer	352142097103501	0.0010	0.7900	0.0060	0.2100
Garber Wellington Aquifer	352326097044801	0.0010	0.1800	0.0060	0.0050
Garber Wellington Aquifer	352515097370801	0.0010	0.0440	0.5600	0.0030
Garber Wellington Aquifer	352536097072501				
Garber Wellington Aquifer	352550097055401	0.0010	0.1500	0.0260	0.0040
Garber Wellington Aquifer	352550097055401	0.0010	0.1600	0.0160	0.0030
Garber Wellington Aquifer	352704097220601				
Garber Wellington Aquifer	352749097192301	0.0020	0.1900	0.0080	0.0030
Garber Wellington Aquifer	352749097192301	0.0010	0.2000	0.0080	0.0040
Garber Wellington Aquifer	352830097100301	0.0010	0.4300	0.0110	0.0030
Garber Wellington Aquifer	352851097093801	0.0010	0.4100	0.0120	0.0030
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353214097313401				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353216097324701				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353241097325501				
Garber Wellington Aquifer	353324097173701	0.0020	0.2200	0.0090	0.0030
Garber Wellington Aquifer	353324097173701	0.0010	0.2400	0.0070	0.0090

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Garber Wellington Aquifer	353325097313001	5/20/1986		
Garber Wellington Aquifer	353411097374501	9/2/1987		
Garber Wellington Aquifer	353532097285601	4/14/1988		
Garber Wellington Aquifer	353634097120701	8/18/1986		
Garber Wellington Aquifer	353658097255301	10/7/1985		
Garber Wellington Aquifer	353753097273501	4/6/1988		
Garber Wellington Aquifer	353819097254901	8/17/1987		
Garber Wellington Aquifer	353819097270701	4/7/1988		
Garber Wellington Aquifer	353819097305101	8/14/1987		
Garber Wellington Aquifer	353909097304501	4/11/1988		
Garber Wellington Aquifer	353915097403901	8/26/1987		
Garber Wellington Aquifer	354242097332501	7/8/1985		
Garber Wellington Aquifer	354248097191601	8/18/1986		
Garber Wellington Aquifer	354302097332501	7/8/1985		
Garber Wellington Aquifer	354308097274101	8/18/1986		
Garber Wellington Aquifer	354332097295301	4/6/1988		
Garber Wellington Aquifer	354506097263601	4/13/1988		
Garber Wellington Aquifer	354514097222101	4/13/1988		
Garber Wellington Aquifer	354605097185901	5/18/1988		
Garber Wellington Aquifer	354631097215501	9/21/1987		
Garber Wellington Aquifer	354749097223601	8/18/1986		
Garber Wellington Aquifer	354817097281101	8/19/1987		
Garber Wellington Aquifer	354959097175901	7/13/1988		
Garber Wellington Aquifer	355058097233001	5/17/1988		
Wellington Formation	351212097045601	9/3/1987		
Wellington Formation	351433097004401	6/14/1988		
Wellington Formation	352327097040101	6/2/1988		
Wellington Formation	353236097072801	5/24/1988		
Wellington Formation	353909097100101	6/21/1988		
Wellington Formation	353947097111501	8/25/1987		
Wellington Formation	354008097190901	5/11/1988		
Wellington Formation	354203097114301	6/21/1988		
Wellington Formation	354341097042101	11/3/1989		
Wellington Formation	354706097051001	6/29/1988		
Wellington Formation	354748097050001	11/2/1989		
Wellington Formation	354936097052701	10/31/1989		
Wellington Formation	355039097041401	6/28/1988		
Wellington Formation	355206097090101	5/23/1988		
Wellington Formation	355444097071301	6/20/1988		

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Garber Wellington Aquifer	353325097313001			0.0100	
Garber Wellington Aquifer	353411097374501	0.0100		0.0210	0.0170
Garber Wellington Aquifer	353532097285601	0.0100	0.0010	0.0010	0.2100
Garber Wellington Aquifer	353634097120701			0.0100	
Garber Wellington Aquifer	353658097255301				
Garber Wellington Aquifer	353753097273501	0.0100	0.0010	0.0010	0.4700
Garber Wellington Aquifer	353819097254901	0.0100		0.0020	0.3500
Garber Wellington Aquifer	353819097270701	0.0100	0.0010	0.0010	0.4700
Garber Wellington Aquifer	353819097305101	0.0100		0.0010	0.2800
Garber Wellington Aquifer	353909097304501	0.0100	0.0010	0.0020	0.2800
Garber Wellington Aquifer	353915097403901			0.0040	0.0060
Garber Wellington Aquifer	354242097332501			0.0480	
Garber Wellington Aquifer	354248097191601			0.0100	
Garber Wellington Aquifer	354302097332501			0.0100	
Garber Wellington Aquifer	354308097274101			0.0100	
Garber Wellington Aquifer	354332097295301	0.0100	0.0010	0.0010	0.3500
Garber Wellington Aquifer	354506097263601	0.0100	0.0010	0.0010	0.5100
Garber Wellington Aquifer	354514097222101	0.0100	0.0010	0.0020	0.7700
Garber Wellington Aquifer	354605097185901	0.0100	0.0010	0.0010	0.3500
Garber Wellington Aquifer	354631097215501	0.0100		0.0010	0.0840
Garber Wellington Aquifer	354749097223601			0.0100	
Garber Wellington Aquifer	354817097281101	0.0100		0.0010	0.1900
Garber Wellington Aquifer	354959097175901	0.0100	0.0010	0.0010	0.5300
Garber Wellington Aquifer	355058097233001	0.0100	0.0010	0.0020	0.2200
Wellington Formation	351212097045601	0.0100		0.0010	0.0810
Wellington Formation	351433097004401	0.0100	0.0010	0.0010	0.4200
Wellington Formation	352327097040101	0.0100	0.0010	0.0010	0.2900
Wellington Formation	353236097072801	0.0100	0.0010	0.0010	0.2100
Wellington Formation	353909097100101	0.0100	0.0010	0.0010	0.0510
Wellington Formation	353947097111501	0.0100		0.0010	0.1500
Wellington Formation	354008097190901	0.0100	0.0050	0.0020	0.0590
Wellington Formation	354203097114301	0.0100	0.0010	0.0010	0.0820
Wellington Formation	354341097042101			0.0100	
Wellington Formation	354706097051001	0.0700	0.0010	0.0040	0.0150
Wellington Formation	354748097050001			0.0100	
Wellington Formation	354936097052701			0.0100	
Wellington Formation	355039097041401	0.0100	0.0010	0.0010	0.0310
Wellington Formation	355206097090101	0.0100	0.0010	0.0010	0.4500
Wellington Formation	355444097071301	0.0300	0.0010	0.0010	0.2700

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Garber Wellington Aquifer	353325097313001			
Garber Wellington Aquifer	353411097374501	0.0015	1.5000	0.0010
Garber Wellington Aquifer	353532097285601	0.0005	0.3200	0.0010
Garber Wellington Aquifer	353634097120701			
Garber Wellington Aquifer	353658097255301			
Garber Wellington Aquifer	353753097273501	0.0005	0.0900	0.0010
Garber Wellington Aquifer	353819097254901	0.0005	0.2800	0.0010
Garber Wellington Aquifer	353819097270701	0.0005	0.0800	0.0010
Garber Wellington Aquifer	353819097305101	0.0005	0.3400	0.0010
Garber Wellington Aquifer	353909097304501	0.0005	0.1800	0.0010
Garber Wellington Aquifer	353915097403901	0.0015		0.0030
Garber Wellington Aquifer	354242097332501			
Garber Wellington Aquifer	354248097191601			
Garber Wellington Aquifer	354302097332501			
Garber Wellington Aquifer	354308097274101			
Garber Wellington Aquifer	354332097295301	0.0005	0.0800	0.0010
Garber Wellington Aquifer	354506097263601	0.0005	0.0500	0.0010
Garber Wellington Aquifer	354514097222101	0.0005	0.0500	0.0010
Garber Wellington Aquifer	354605097185901	0.0005	0.1200	0.0010
Garber Wellington Aquifer	354631097215501	0.0005	0.0500	0.0010
Garber Wellington Aquifer	354749097223601			
Garber Wellington Aquifer	354817097281101	0.0005	0.0600	0.0010
Garber Wellington Aquifer	354959097175901	0.0005	0.1600	0.0010
Garber Wellington Aquifer	355058097233001	0.0005	0.2900	0.0010
Wellington Formation	351212097045601	0.0007	0.3400	0.0010
Wellington Formation	351433097004401	0.0005	0.1200	0.0010
Wellington Formation	352327097040101	0.0005	0.0800	0.0010
Wellington Formation	353236097072801	0.0005	0.0400	0.0010
Wellington Formation	353909097100101	0.0005	0.0500	0.0010
Wellington Formation	353947097111501	0.0005	0.5810	0.0010
Wellington Formation	354008097190901	0.0015	2.5000	0.0030
Wellington Formation	354203097114301	0.0005	0.0200	0.0010
Wellington Formation	354341097042101			
Wellington Formation	354706097051001	0.0005	8.0000	0.0010
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401	0.0017	3.1000	0.0010
Wellington Formation	355206097090101	0.0005	0.0400	0.0010
Wellington Formation	355444097071301	0.0005	0.1400	0.0010

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Garber Wellington Aquifer	353325097313001				
Garber Wellington Aquifer	353411097374501	0.0480	0.0030	0.0100	0.7000
Garber Wellington Aquifer	353532097285601	0.0090	0.0030	0.0100	0.3000
Garber Wellington Aquifer	353634097120701				
Garber Wellington Aquifer	353658097255301				
Garber Wellington Aquifer	353753097273501	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	353819097254901	0.0160	0.0030	0.0100	0.2000
Garber Wellington Aquifer	353819097270701	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	353819097305101	0.0110	0.0030	0.0100	0.3000
Garber Wellington Aquifer	353909097304501	0.0070	0.0030	0.0100	0.2000
Garber Wellington Aquifer	353915097403901	0.0150	0.0090	0.0300	0.8000
Garber Wellington Aquifer	354242097332501				
Garber Wellington Aquifer	354248097191601				
Garber Wellington Aquifer	354302097332501				
Garber Wellington Aquifer	354308097274101				
Garber Wellington Aquifer	354332097295301	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	354506097263601	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	354514097222101	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	354605097185901	0.0050	0.0030	0.0100	0.4000
Garber Wellington Aquifer	354631097215501	0.0050	0.0030	0.0100	0.3000
Garber Wellington Aquifer	354749097223601				
Garber Wellington Aquifer	354817097281101	0.0050	0.0030	0.0100	0.7000
Garber Wellington Aquifer	354959097175901	0.0050	0.0030	0.0100	0.2000
Garber Wellington Aquifer	355058097233001	0.0060	0.0030	0.0100	0.4000
Wellington Formation	351212097045601	0.0059	0.0030	0.0100	0.1000
Wellington Formation	351433097004401	0.0050	0.0030	0.0100	0.4000
Wellington Formation	352327097040101	0.0050	0.0030	0.0100	0.2000
Wellington Formation	353236097072801	0.0050	0.0030	0.0100	0.3000
Wellington Formation	353909097100101	0.0050	0.0030	0.0100	0.2000
Wellington Formation	353947097111501	0.0170	0.0030	0.0100	0.1000
Wellington Formation	354008097190901	0.0290	0.0090	0.0300	0.9000
Wellington Formation	354203097114301	0.0050	0.0030	0.0200	0.2000
Wellington Formation	354341097042101				
Wellington Formation	354706097051001	0.0070	0.0030	0.0800	3.9000
Wellington Formation	354748097050001				
Wellington Formation	354936097052701				
Wellington Formation	355039097041401	0.0050	0.0030	0.0100	0.9000
Wellington Formation	355206097090101	0.0050	0.0030	0.0100	0.3000
Wellington Formation	355444097071301	0.0050	0.0030	0.0100	0.5000

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Garber Wellington Aquifer	353325097313001			
Garber Wellington Aquifer	353411097374501		0.0140	0.0100
Garber Wellington Aquifer	353532097285601	0.0020	0.0310	0.0100
Garber Wellington Aquifer	353634097120701			
Garber Wellington Aquifer	353658097255301	0.0500		
Garber Wellington Aquifer	353753097273501	0.0020	0.0030	0.0100
Garber Wellington Aquifer	353819097254901		0.0030	0.0100
Garber Wellington Aquifer	353819097270701	0.0020	0.0090	0.0100
Garber Wellington Aquifer	353819097305101		0.0050	0.0100
Garber Wellington Aquifer	353909097304501	0.0010	0.0030	0.0100
Garber Wellington Aquifer	353915097403901		0.9700	0.0300
Garber Wellington Aquifer	354242097332501			
Garber Wellington Aquifer	354248097191601			
Garber Wellington Aquifer	354302097332501			
Garber Wellington Aquifer	354308097274101			
Garber Wellington Aquifer	354332097295301	0.0030	0.0030	0.0100
Garber Wellington Aquifer	354506097263601	0.0010	0.0130	0.0100
Garber Wellington Aquifer	354514097222101	0.0010	0.0030	0.0100
Garber Wellington Aquifer	354605097185901	0.0010	0.0490	0.0100
Garber Wellington Aquifer	354631097215501		0.0040	0.0100
Garber Wellington Aquifer	354749097223601			
Garber Wellington Aquifer	354817097281101		0.0060	0.0100
Garber Wellington Aquifer	354959097175901	0.0010	0.0130	0.0100
Garber Wellington Aquifer	355058097233001	0.0040	0.0030	0.0100
Wellington Formation	351212097045601		0.0190	0.0100
Wellington Formation	351433097004401	0.0010	0.0030	0.0100
Wellington Formation	352327097040101	0.0010	0.0030	0.0100
Wellington Formation	353236097072801	0.0010	0.0030	0.0100
Wellington Formation	353909097100101	0.0010	0.0030	0.0100
Wellington Formation	353947097111501		0.0050	0.0100
Wellington Formation	354008097190901		0.0090	0.0300
Wellington Formation	354203097114301	0.0010	0.0100	0.0100
Wellington Formation	354341097042101			
Wellington Formation	354706097051001	0.0070	0.0110	0.0100
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401	0.0010	0.0220	0.0100
Wellington Formation	355206097090101	0.0020	0.0030	0.0100
Wellington Formation	355444097071301	0.0010	0.0060	0.0100

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Garber Wellington Aquifer	353325097313001			
Garber Wellington Aquifer	353411097374501	0.0160	0.0010	
Garber Wellington Aquifer	353532097285601	0.0170	0.0040	0.0001
Garber Wellington Aquifer	353634097120701			
Garber Wellington Aquifer	353658097255301			
Garber Wellington Aquifer	353753097273501	0.0080	0.0010	0.0001
Garber Wellington Aquifer	353819097254901	0.0080	0.0010	
Garber Wellington Aquifer	353819097270701	0.0210	0.0010	0.0002
Garber Wellington Aquifer	353819097305101	0.0110	0.0010	
Garber Wellington Aquifer	353909097304501	0.0100	0.0010	0.0001
Garber Wellington Aquifer	353915097403901	0.1800	0.0430	
Garber Wellington Aquifer	354242097332501			
Garber Wellington Aquifer	354248097191601			
Garber Wellington Aquifer	354302097332501			
Garber Wellington Aquifer	354308097274101			
Garber Wellington Aquifer	354332097295301	0.0240	0.0010	0.0001
Garber Wellington Aquifer	354506097263601	0.0090	0.0060	0.0004
Garber Wellington Aquifer	354514097222101	0.0100	0.0010	0.0001
Garber Wellington Aquifer	354605097185901	0.0170	0.0020	0.0001
Garber Wellington Aquifer	354631097215501	0.0060	0.0010	
Garber Wellington Aquifer	354749097223601			
Garber Wellington Aquifer	354817097281101	0.0060	0.0010	
Garber Wellington Aquifer	354959097175901	0.0190	0.0020	0.0001
Garber Wellington Aquifer	355058097233001	0.0060	0.0010	0.0001
Wellington Formation	351212097045601	0.0140	0.0010	
Wellington Formation	351433097004401	0.0130	0.0010	0.0001
Wellington Formation	352327097040101	0.0180	0.0070	0.0001
Wellington Formation	353236097072801	0.0140	0.0010	0.0001
Wellington Formation	353909097100101	0.0090	0.0010	0.0001
Wellington Formation	353947097111501	0.0100	0.0010	
Wellington Formation	354008097190901	0.0170	0.0030	0.0003
Wellington Formation	354203097114301	0.0040	0.0010	0.0001
Wellington Formation	354341097042101			
Wellington Formation	354706097051001	0.0050	0.0020	0.0001
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401	0.0330	0.0060	0.0002
Wellington Formation	355206097090101	0.0110	0.0010	0.0001
Wellington Formation	355444097071301	0.0120	0.0010	0.0001

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Garber Wellington Aquifer	353325097313001			
Garber Wellington Aquifer	353411097374501	0.0100	0.0100	0.0630
Garber Wellington Aquifer	353532097285601	0.0100	0.0100	0.0020
Garber Wellington Aquifer	353634097120701			
Garber Wellington Aquifer	353658097255301			
Garber Wellington Aquifer	353753097273501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	353819097254901	0.0100	0.0100	0.0020
Garber Wellington Aquifer	353819097270701	0.0100	0.0100	0.0010
Garber Wellington Aquifer	353819097305101	0.0100	0.0100	0.0020
Garber Wellington Aquifer	353909097304501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	353915097403901	0.0800	0.0100	0.0010
Garber Wellington Aquifer	354242097332501			
Garber Wellington Aquifer	354248097191601			
Garber Wellington Aquifer	354302097332501			
Garber Wellington Aquifer	354308097274101			
Garber Wellington Aquifer	354332097295301	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354506097263601	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354514097222101	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354605097185901	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354631097215501	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354749097223601			
Garber Wellington Aquifer	354817097281101	0.0100	0.0100	0.0010
Garber Wellington Aquifer	354959097175901	0.0100	0.0100	0.0010
Garber Wellington Aquifer	355058097233001	0.0100	0.0100	0.0010
Wellington Formation	351212097045601	0.0100	0.0100	0.0080
Wellington Formation	351433097004401	0.0100	0.0100	0.0010
Wellington Formation	352327097040101	0.0100	0.0200	0.0010
Wellington Formation	353236097072801	0.0100	0.0100	0.0010
Wellington Formation	353909097100101	0.0100	0.0100	0.0010
Wellington Formation	353947097111501	0.0100	0.0100	0.0120
Wellington Formation	354008097190901	0.0300	0.0300	0.0750
Wellington Formation	354203097114301	0.0100	0.0100	0.0010
Wellington Formation	354341097042101			
Wellington Formation	354706097051001	0.0200	0.0100	0.0180
Wellington Formation	354748097050001			
Wellington Formation	354936097052701			
Wellington Formation	355039097041401	0.0100	0.0100	0.0020
Wellington Formation	355206097090101	0.0100	0.0100	0.0010
Wellington Formation	355444097071301	0.0100	0.0100	0.0020

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Garber Wellington Aquifer	353325097313001				
Garber Wellington Aquifer	353411097374501	0.0010	1.9000	0.1900	0.0030
Garber Wellington Aquifer	353532097285601	0.0010	1.8000	0.0060	0.0130
Garber Wellington Aquifer	353634097120701				
Garber Wellington Aquifer	353658097255301				
Garber Wellington Aquifer	353753097273501	0.0010	0.8300	0.0080	0.0030
Garber Wellington Aquifer	353819097254901	0.0010	0.7800	0.0250	0.0030
Garber Wellington Aquifer	353819097270701	0.0010	0.5800	0.0100	0.0030
Garber Wellington Aquifer	353819097305101	0.0010	1.2000	0.0130	0.0110
Garber Wellington Aquifer	353909097304501	0.0010	0.9900	0.0180	0.0030
Garber Wellington Aquifer	353915097403901	0.0030	8.1000	0.0180	0.0150
Garber Wellington Aquifer	354242097332501				
Garber Wellington Aquifer	354248097191601				
Garber Wellington Aquifer	354302097332501				
Garber Wellington Aquifer	354308097274101				
Garber Wellington Aquifer	354332097295301	0.0010	0.3400	0.0130	0.0030
Garber Wellington Aquifer	354506097263601	0.0010	0.2600	0.0070	0.0030
Garber Wellington Aquifer	354514097222101	0.0010	0.1900	0.0120	0.0400
Garber Wellington Aquifer	354605097185901	0.0010	0.5100	0.0060	0.0070
Garber Wellington Aquifer	354631097215501	0.0020	0.1100	0.0060	0.0160
Garber Wellington Aquifer	354749097223601				
Garber Wellington Aquifer	354817097281101	0.0010	0.1300	0.0090	0.0120
Garber Wellington Aquifer	354959097175901	0.0010	0.6900	0.0060	0.0190
Garber Wellington Aquifer	355058097233001	0.0010	0.4800	0.0200	0.0060
Wellington Formation	351212097045601	0.0010	0.0900	0.0230	0.0230
Wellington Formation	351433097004401	0.0010	0.2400	0.0060	0.0030
Wellington Formation	352327097040101	0.0010	0.2900	0.0060	0.0070
Wellington Formation	353236097072801	0.0010	0.0950	0.0060	0.0030
Wellington Formation	353909097100101	0.0010	0.0480	0.0060	0.0070
Wellington Formation	353947097111501	0.0010	0.3700	0.0130	0.0080
Wellington Formation	354008097190901	0.0030	0.5900	0.0180	0.0090
Wellington Formation	354203097114301	0.0010	0.0870	0.0060	0.0120
Wellington Formation	354341097042101				
Wellington Formation	354706097051001	0.0010	0.0780	0.0490	0.0030
Wellington Formation	354748097050001				
Wellington Formation	354936097052701				
Wellington Formation	355039097041401	0.0010	3.8000	0.2300	0.3600
Wellington Formation	355206097090101	0.0010	0.1100	0.0060	0.0030
Wellington Formation	355444097071301	0.0010	0.3100	0.0140	0.1300

Water Analyses: Trace Elements

Unit	Well ID	Sample Date	Sample Depth (feet)	Sample Depth (meters)
Mean				
Standard Error				
Median				
Mode				
Standard Deviation				
Sample Variance				
Kurtosis				
Skewness				
Range				
Minimum				
Maximum				
Sum				
Count				
Confidence Level(95.0%)				

Water Analyses: Trace Elements

Unit	Well ID	Aluminum (mg/l)	Antimony (mg/l)	Arsenic (mg/l)	Barium (mg/l)
Mean		1.4E-02	1.2E-03	1.5E-02	3.2E-01
Standard Error		1.4E-03	8.9E-05	2.0E-03	4.7E-02
Median		1.0E-02	1.0E-03	2.0E-03	2.1E-01
Mode		1.0E-02	1.0E-03	1.0E-03	2.8E-01
Standard Deviation		1.7E-02	8.5E-04	2.7E-02	5.7E-01
Sample Variance		2.9E-04	7.2E-07	7.1E-04	3.3E-01
Kurtosis		4.1E+01	1.4E+01	4.5E+00	8.9E+01
Skewness		6.2E+00	3.9E+00	2.2E+00	8.6E+00
Range		1.3E-01	4.0E-03	1.4E-01	6.4E+00
Minimum		1.0E-02	1.0E-03	5.0E-04	6.0E-03
Maximum		1.4E-01	5.0E-03	1.4E-01	6.4E+00
Sum		2.0E+00	1.1E-01	2.7E+00	4.6E+01
Count		1.5E+02	9.2E+01	1.8E+02	1.5E+02
Confidence Level(95.0%)		2.8E-03	1.8E-04	3.9E-03	9.4E-02

Water Analyses: Trace Elements

Unit	Well ID	Beryllium (mg/l)	Boron (mg/l)	Cadmium (mg/l)
Mean		6.3E-04	6.4E-01	1.2E-03
Standard Error		3.4E-05	9.3E-02	1.2E-04
Median		5.0E-04	1.4E-01	1.0E-03
Mode		5.0E-04	6.0E-02	1.0E-03
Standard Deviation		4.1E-04	1.1E+00	1.5E-03
Sample Variance		1.7E-07	1.3E+00	2.1E-06
Kurtosis		1.4E+01	1.4E+01	1.2E+02
Skewness		3.6E+00	3.3E+00	1.1E+01
Range		2.6E-03	8.0E+00	1.7E-02
Minimum		5.0E-04	2.0E-02	1.0E-03
Maximum		3.1E-03	8.0E+00	1.8E-02
Sum		9.3E-02	9.5E+01	1.7E-01
Count		1.5E+02	1.5E+02	1.4E+02
Confidence Level(95.0%)		6.7E-05	1.8E-01	2.4E-04

Water Analyses: Trace Elements

Unit	Well ID	Chromium (mg/l)	Cobalt (mg/l)	Copper (mg/l)	Fluoride (mg/l)
Mean		1.3E-02	3.1E-03	1.1E-02	3.7E-01
Standard Error		1.0E-03	5.9E-05	5.9E-04	2.3E-02
Median		1.0E-02	3.0E-03	1.0E-02	3.0E-01
Mode		1.0E-02	3.0E-03	1.0E-02	2.0E-01
Standard Deviation		1.8E-02	7.2E-04	7.2E-03	3.9E-01
Sample Variance		3.3E-04	5.1E-07	5.1E-05	1.6E-01
Kurtosis		1.6E+01	6.5E+01	######	2.7E+01
Skewness		3.8E+00	7.9E+00	######	4.3E+00
Range		1.3E-01	7.0E-03	7.8E-02	3.9E+00
Minimum		5.0E-04	2.0E-03	2.0E-03	
Maximum		1.3E-01	9.0E-03	8.0E-02	3.9E+00
Sum		4.0E+00	4.5E-01	######	1.1E+02
Count		3.0E+02	1.5E+02	######	3.0E+02
Confidence Level(95.0%)		2.1E-03	1.2E-04	1.2E-03	4.5E-02

Water Analyses: Trace Elements

Unit	Well ID	Hexavalent Chromium (mg/l)	Iron (Total) (mg/l)	Lead (mg/l)
Mean		1.2E-02	6.5E-01	1.1E-02
Standard Error		2.6E-03	1.2E-01	6.8E-04
Median		1.0E-03	4.4E-02	1.0E-02
Mode		1.0E-03	3.0E-03	1.0E-02
Standard Deviation		2.5E-02	2.0E+00	8.2E-03
Sample Variance		6.1E-04	4.0E+00	6.7E-05
Kurtosis		9.4E+00	7.6E+01	9.9E+01
Skewness		3.1E+00	7.5E+00	9.4E+00
Range		1.3E-01	2.4E+01	9.0E-02
Minimum		1.0E-03		1.0E-02
Maximum		1.3E-01	2.4E+01	1.0E-01
Sum		1.0E+00	1.8E+02	1.6E+00
Count		8.7E+01	2.8E+02	1.4E+02
Confidence Level(95.0%)		5.2E-03	2.4E-01	1.3E-03

Water Analyses: Trace Elements

Unit	Well ID	Lithium (mg/l)	Manganese (mg/l)	Mercury (mg/l)
Mean		1.7E-02	4.9E-02	4.1E-04
Standard Error		1.4E-03	6.3E-03	2.8E-04
Median		1.3E-02	1.0E-02	1.0E-04
Mode		1.2E-02	1.0E-03	1.0E-04
Standard Deviation		1.7E-02	1.0E-01	3.0E-03
Sample Variance		2.8E-04	1.0E-02	8.8E-06
Kurtosis		6.4E+01	2.6E+01	1.1E+02
Skewness		6.8E+00	4.6E+00	1.0E+01
Range		1.8E-01	8.5E-01	3.1E-02
Minimum		4.0E-03	1.0E-03	1.0E-04
Maximum		1.8E-01	8.5E-01	3.1E-02
Sum		2.4E+00	1.3E+01	4.5E-02
Count		1.5E+02	2.7E+02	1.1E+02
Confidence Level(95.0%)		2.7E-03	1.2E-02	5.6E-04

Water Analyses: Trace Elements

Unit	Well ID	Molybdenum (mg/l)	Nickel (mg/l)	Selenium (mg/l)
Mean		1.1E-02	1.0E-02	1.2E-02
Standard Error		6.2E-04	1.7E-04	1.9E-03
Median		1.0E-02	1.0E-02	5.0E-03
Mode		1.0E-02	1.0E-02	5.0E-03
Standard Deviation		7.5E-03	2.0E-03	3.4E-02
Sample Variance		5.6E-05	4.2E-06	1.1E-03
Kurtosis		5.2E+01	######	6.0E+01
Skewness		6.5E+00	######	6.9E+00
Range		7.6E-02	2.6E-02	3.8E-01
Minimum		4.0E-03	4.0E-03	2.0E-04
Maximum		8.0E-02	3.0E-02	3.8E-01
Sum		1.7E+00	######	3.7E+00
Count		1.5E+02	######	3.0E+02
Confidence Level(95.0%)		1.2E-03	3.3E-04	3.8E-03

Water Analyses: Trace Elements

Unit	Well ID	Silver (mg/l)	Strontium (mg/l)	Vanadium (mg/l)	Zinc (mg/l)
Mean		1.2E-03	6.0E-01	6.1E-02	4.4E-02
Standard Error		3.7E-05	7.5E-02	1.2E-02	9.9E-03
Median		1.0E-03	3.3E-01	9.0E-03	8.0E-03
Mode		1.0E-03	1.1E-01	6.0E-03	3.0E-03
Standard Deviation		4.4E-04	8.9E-01	1.5E-01	1.2E-01
Sample Variance		2.0E-07	8.0E-01	2.2E-02	1.4E-02
Kurtosis		8.8E+00	3.6E+01	1.5E+01	3.9E+01
Skewness		3.1E+00	4.9E+00	3.7E+00	5.8E+00
Range		2.0E-03	8.1E+00	9.1E-01	1.0E+00
Minimum		1.0E-03	2.6E-02	4.0E-03	3.0E-03
Maximum		3.0E-03	8.1E+00	9.1E-01	1.0E+00
Sum		1.7E-01	8.6E+01	9.0E+00	6.5E+00
Count		1.5E+02	1.4E+02	1.5E+02	1.5E+02
Confidence Level(95.0%)		7.3E-05	1.5E-01	2.4E-02	2.0E-02

Appendix D

Water Analysis Data for Arsenic

Water Analyses: Arsenic

Unit	Well ID	Long	Lat
Garber Sandstone	350001097130101	-97.21694	35.00028
Garber Sandstone	350003097090101	-97.15028	35.00083
Garber Sandstone	351027097131401	-97.22056	35.17417
Garber Sandstone	351106097155201	-97.26444	35.18500
Garber Sandstone	351106097155202	-97.26444	35.18500
Garber Sandstone	351314097254701	-97.42972	35.22056
Garber Sandstone	351315097254201	-97.42833	35.22083
Garber Sandstone	351315097254201	-97.42833	35.22083
Garber Sandstone	351315097254201	-97.42833	35.22083
Garber Sandstone	351315097254301	-97.42861	35.22083
Garber Sandstone	351409097231801	-97.38833	35.23583
Garber Sandstone	351617097072801	-97.12444	35.27139
Garber Sandstone	351638097175301	-97.29806	35.27722
Garber Sandstone	351648097285101	-97.48083	35.27417
Garber Sandstone	351651097185901	-97.31639	35.28083
Garber Sandstone	351823097215701	-97.36583	35.30639
Garber Sandstone	351912097193601	-97.32667	35.32000
Garber Sandstone	351926097293001	-97.49444	35.32389
Garber Sandstone	352145097345901	-97.58306	35.36250
Garber Sandstone	352433097262401	-97.44000	35.40917
Garber Sandstone	352518097270601	-97.45167	35.42167
Garber Sandstone	352519097222501	-97.37361	35.42194
Garber Sandstone	352520097280601	-97.46833	35.42222
Garber Sandstone	352531097262101	-97.43917	35.42528
Garber Sandstone	352535097303301	-97.50917	35.42639
Garber Sandstone	352605097375701	-97.62722	35.43444
Garber Sandstone	352622097103401	-97.17611	35.43944
Garber Sandstone	352631097313101	-97.52528	35.44194
Garber Sandstone	352639097083401	-97.14278	35.44417
Garber Sandstone	352705097175401	-97.29278	35.45167
Garber Sandstone	352738097191001	-97.31944	35.46056
Garber Sandstone	352740097275301	-97.46472	35.46111
Garber Sandstone	352750097263601	-97.44333	35.46389
Garber Sandstone	352755097332002	-97.55556	35.46528
Garber Sandstone	352757097200801	-97.33556	35.46583
Garber Sandstone	352905097310201	-97.51722	35.48472
Garber Sandstone	352910097272501	-97.45694	35.48611
Garber Sandstone	353010097324601	-97.54611	35.50278
Garber Sandstone	353013097373301	-97.62583	35.50361
Garber Sandstone	353024097272501	-97.45694	35.50667
Garber Sandstone	353026097274801	-97.46333	35.50722
Garber Sandstone	353042097313801	-97.52722	35.51167
Garber Sandstone	353051097322001	-97.53889	35.51417
Garber Sandstone	353101097283701	-97.47694	35.51694
Garber Sandstone	353131097325401	-97.54833	35.52528
Garber Sandstone	353136097295101	-97.49750	35.52667
Garber Sandstone	353139097293001	-97.49167	35.52750

Water Analyses: Arsenic

Unit	Well ID	Depth (ft)	Depth (m)	Arsenic (mg/l)	Arsenic (µg/l)
Garber Sandstone	350001097130101			0.0010	1.0
Garber Sandstone	350003097090101			0.0010	1.0
Garber Sandstone	351027097131401			0.0010	1.0
Garber Sandstone	351106097155201			0.0010	1.0
Garber Sandstone	351106097155202			0.0010	1.0
Garber Sandstone	351314097254701			0.0520	52.0
Garber Sandstone	351315097254201	330.1	100.6	0.0510	51.0
Garber Sandstone	351315097254201	407.5	124.2	0.0200	20.0
Garber Sandstone	351315097254201	480.0	146.3	0.0090	9.0
Garber Sandstone	351315097254301	262.7	80.1	0.0330	33.0
Garber Sandstone	351409097231801			0.0020	2.0
Garber Sandstone	351617097072801			0.0010	1.0
Garber Sandstone	351638097175301			0.0010	1.0
Garber Sandstone	351648097285101			0.0440	44.0
Garber Sandstone	351651097185901			0.0010	1.0
Garber Sandstone	351823097215701			0.0010	1.0
Garber Sandstone	351912097193601			0.0020	2.0
Garber Sandstone	351926097293001			0.0190	19.0
Garber Sandstone	352145097345901			0.0430	43.0
Garber Sandstone	352433097262401			0.0010	1.0
Garber Sandstone	352518097270601			0.0010	1.0
Garber Sandstone	352519097222501			0.0080	8.0
Garber Sandstone	352520097280601			0.0010	1.0
Garber Sandstone	352531097262101			0.0020	2.0
Garber Sandstone	352535097303301	515.0	157.0	0.0010	1.0
Garber Sandstone	352605097375701			0.0750	75.0
Garber Sandstone	352622097103401			0.0010	1.0
Garber Sandstone	352631097313101			0.0020	2.0
Garber Sandstone	352639097083401			0.0010	1.0
Garber Sandstone	352705097175401			0.0020	2.0
Garber Sandstone	352738097191001			0.0020	2.0
Garber Sandstone	352740097275301			0.0010	1.0
Garber Sandstone	352750097263601			0.0010	1.0
Garber Sandstone	352755097332002			0.0010	1.0
Garber Sandstone	352757097200801			0.0020	2.0
Garber Sandstone	352905097310201			0.0020	2.0
Garber Sandstone	352910097272501			0.0170	17.0
Garber Sandstone	353010097324601			0.0010	1.0
Garber Sandstone	353013097373301			0.1100	110.0
Garber Sandstone	353024097272501			0.0010	1.0
Garber Sandstone	353026097274801			0.0040	4.0
Garber Sandstone	353042097313801			0.0010	1.0
Garber Sandstone	353051097322001			0.0010	1.0
Garber Sandstone	353101097283701			0.0010	1.0
Garber Sandstone	353131097325401			0.0010	1.0
Garber Sandstone	353136097295101			0.0020	2.0
Garber Sandstone	353139097293001			0.0010	1.0

Water Analyses: Arsenic

Unit	Well ID	As Range	MCL
Garber Sandstone	350001097130101	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	350003097090101	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351027097131401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351106097155201	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351106097155202	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351314097254701	>50.0 ug/l	Exceeds MCL
Garber Sandstone	351315097254201	>50.0 ug/l	Exceeds MCL
Garber Sandstone	351315097254201	10.0 ug/l - 20.0 ug/l	Exceeds MCL
Garber Sandstone	351315097254201	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Sandstone	351315097254301	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Sandstone	351409097231801	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	351617097072801	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351638097175301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351648097285101	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Sandstone	351651097185901	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351823097215701	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	351912097193601	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	351926097293001	10.0 ug/l - 20.0 ug/l	Exceeds MCL
Garber Sandstone	352145097345901	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Sandstone	352433097262401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352518097270601	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352519097222501	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Sandstone	352520097280601	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352531097262101	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352535097303301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352605097375701	>50.0 ug/l	Exceeds MCL
Garber Sandstone	352622097103401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352631097313101	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352639097083401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352705097175401	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352738097191001	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352740097275301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352750097263601	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352755097332002	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	352757097200801	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352905097310201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	352910097272501	10.0 ug/l - 20.0 ug/l	Exceeds MCL
Garber Sandstone	353010097324601	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353013097373301	>50.0 ug/l	Exceeds MCL
Garber Sandstone	353024097272501	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353026097274801	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353042097313801	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353051097322001	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353101097283701	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353131097325401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353136097295101	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353139097293001	< 2.0 ug/l	Does not exceed MCL

Water Analyses: Arsenic

Unit	Well ID	Field pH	Lab pH	Activity of AsO43- (Field pH)	Activity of AsO43- (Lab pH)
Garber Sandstone	350001097130101	6.2	7.0	3.9E-06	3.2E-06
Garber Sandstone	350003097090101	6.1	6.4	4.1E-06	3.7E-06
Garber Sandstone	351027097131401	7.4	7.5	2.9E-06	2.8E-06
Garber Sandstone	351106097155201	8.6	8.3	2.1E-06	2.3E-06
Garber Sandstone	351106097155202	7.7		2.7E-06	
Garber Sandstone	351314097254701	8.8	8.9	1.1E-04	1.0E-04
Garber Sandstone	351315097254201	9.3	9.2	9.1E-05	9.3E-05
Garber Sandstone	351315097254201	9.3	9.2	3.6E-05	3.7E-05
Garber Sandstone	351315097254201	9.3	9.2	1.6E-05	1.6E-05
Garber Sandstone	351315097254301	9.6	9.1	5.4E-05	6.2E-05
Garber Sandstone	351409097231801	8.3	8.3	4.6E-06	4.6E-06
Garber Sandstone	351617097072801	6.9	7.2	3.3E-06	3.0E-06
Garber Sandstone	351638097175301	6.8	7.0	3.4E-06	3.2E-06
Garber Sandstone	351648097285101	9.0	9.1	8.5E-05	8.3E-05
Garber Sandstone	351651097185901	7.0	7.2	3.2E-06	3.0E-06
Garber Sandstone	351823097215701	7.2	7.5	3.0E-06	2.8E-06
Garber Sandstone	351912097193601	7.3	7.5	5.9E-06	5.6E-06
Garber Sandstone	351926097293001	8.9	8.8	3.8E-05	3.8E-05
Garber Sandstone	352145097345901	8.9	9.1	8.5E-05	8.1E-05
Garber Sandstone	352433097262401	7.0	7.3	3.2E-06	3.0E-06
Garber Sandstone	352518097270601	7.6	7.9	2.7E-06	2.5E-06
Garber Sandstone	352519097222501	7.8	7.9	2.1E-05	2.0E-05
Garber Sandstone	352520097280601	7.6	7.7	2.7E-06	2.7E-06
Garber Sandstone	352531097262101	6.8	7.2	6.8E-06	6.1E-06
Garber Sandstone	352535097303301	6.9	7.0	3.3E-06	3.2E-06
Garber Sandstone	352605097375701	8.8	8.7	1.5E-04	1.6E-04
Garber Sandstone	352622097103401	6.2	6.3	3.9E-06	3.8E-06
Garber Sandstone	352631097313101	7.2	7.3	6.0E-06	5.9E-06
Garber Sandstone	352639097083401	6.7	7.1	3.5E-06	3.1E-06
Garber Sandstone	352705097175401	6.7	6.8	7.0E-06	6.7E-06
Garber Sandstone	352738097191001	6.1	6.3	8.1E-06	7.7E-06
Garber Sandstone	352740097275301	7.6	7.7	2.8E-06	2.7E-06
Garber Sandstone	352750097263601				
Garber Sandstone	352755097332002				
Garber Sandstone	352757097200801				
Garber Sandstone	352905097310201				
Garber Sandstone	352910097272501				
Garber Sandstone	353010097324601				
Garber Sandstone	353013097373301				
Garber Sandstone	353024097272501				
Garber Sandstone	353026097274801				
Garber Sandstone	353042097313801				
Garber Sandstone	353051097322001				
Garber Sandstone	353101097283701				
Garber Sandstone	353131097325401				
Garber Sandstone	353136097295101				
Garber Sandstone	353139097293001				

Water Analyses: Arsenic

Unit	Well ID	Calculated pE (Field pH)	Calculated pE (Lab pH)	Calculated Eh (Field pH)	Calculated Eh (Lab pH)
Garber Sandstone	350001097130101	5.4	5.5	0.3	0.3
Garber Sandstone	350003097090101	5.4	5.4	0.3	0.3
Garber Sandstone	351027097131401	5.5	5.6	0.3	0.3
Garber Sandstone	351106097155201	5.7	5.6	0.3	0.3
Garber Sandstone	351106097155202	5.6		0.3	
Garber Sandstone	351314097254701	4.0	4.0	0.2	0.2
Garber Sandstone	351315097254201	4.0	4.0	0.2	0.2
Garber Sandstone	351315097254201	4.4	4.4	0.3	0.3
Garber Sandstone	351315097254201	4.8	4.8	0.3	0.3
Garber Sandstone	351315097254301	4.3	4.2	0.3	0.2
Garber Sandstone	351409097231801	5.3	5.3	0.3	0.3
Garber Sandstone	351617097072801	5.5	5.5	0.3	0.3
Garber Sandstone	351638097175301	5.5	5.5	0.3	0.3
Garber Sandstone	351648097285101	4.1	4.1	0.2	0.2
Garber Sandstone	351651097185901	5.5	5.5	0.3	0.3
Garber Sandstone	351823097215701	5.5	5.6	0.3	0.3
Garber Sandstone	351912097193601	5.2	5.3	0.3	0.3
Garber Sandstone	351926097293001	4.4	4.4	0.3	0.3
Garber Sandstone	352145097345901	4.1	4.1	0.2	0.2
Garber Sandstone	352433097262401	5.5	5.5	0.3	0.3
Garber Sandstone	352518097270601	5.6	5.6	0.3	0.3
Garber Sandstone	352519097222501	4.7	4.7	0.3	0.3
Garber Sandstone	352520097280601	5.6	5.6	0.3	0.3
Garber Sandstone	352531097262101	5.2	5.2	0.3	0.3
Garber Sandstone	352535097303301	5.5	5.5	0.3	0.3
Garber Sandstone	352605097375701	3.8	3.8	0.2	0.2
Garber Sandstone	352622097103401	5.4	5.4	0.3	0.3
Garber Sandstone	352631097313101	5.2	5.2	0.3	0.3
Garber Sandstone	352639097083401	5.5	5.5	0.3	0.3
Garber Sandstone	352705097175401	5.2	5.2	0.3	0.3
Garber Sandstone	352738097191001	5.1	5.1	0.3	0.3
Garber Sandstone	352740097275301	5.6	5.6	0.3	0.3
Garber Sandstone	352750097263601				
Garber Sandstone	352755097332002				
Garber Sandstone	352757097200801				
Garber Sandstone	352905097310201				
Garber Sandstone	352910097272501				
Garber Sandstone	353010097324601				
Garber Sandstone	353013097373301				
Garber Sandstone	353024097272501				
Garber Sandstone	353026097274801				
Garber Sandstone	353042097313801				
Garber Sandstone	353051097322001				
Garber Sandstone	353101097283701				
Garber Sandstone	353131097325401				
Garber Sandstone	353136097295101				
Garber Sandstone	353139097293001				

Water Analyses: Arsenic

Unit	Well ID	Long	Lat
Garber Sandstone	353141097293001	-97.49056	35.52056
Garber Sandstone	353145097263801	-97.44389	35.52639
Garber Sandstone	353155097294601	-97.49611	35.53194
Garber Sandstone	353210097282401	-97.47333	35.53611
Garber Sandstone	353219097295801	-97.49944	35.53861
Garber Sandstone	353223097320501	-97.53472	35.53972
Garber Sandstone	353223097320501	-97.53472	35.53972
Garber Sandstone	353227097251101	-97.41972	35.54083
Garber Sandstone	353229097285301	-97.48139	35.54139
Garber Sandstone	353243097304101	-97.51139	35.54528
Garber Sandstone	353244097255801	-97.43278	35.54556
Garber Sandstone	353539097243901	-97.41083	35.59417
Garber Sandstone	353600097264001	-97.44389	35.50833
Garber Sandstone	353631097232301	-97.38972	35.60861
Garber Sandstone	354012097231001	-97.38611	35.67000
Garber Sandstone	354012097231001	-97.38611	35.67000
Garber Sandstone	354105097332401	-97.55667	35.68333
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354208097330201	-97.55056	35.70222
Garber Sandstone	354606097315601	-97.53222	35.76833
Garber Sandstone	354620097315201	-97.53111	35.77222
Garber Sandstone	354755097392001	-97.65556	35.79861
Garber Sandstone	354758097295201	-97.49778	35.79944
Garber Sandstone	355052097284301	-97.47861	35.84778
Garber Sandstone	355118097250001	-97.41667	35.85500
Garber Sandstone	355118097250001	-97.41667	35.85500
Garber Sandstone	355120097233001	-97.39167	35.85556
Garber Sandstone	355141097201401	-97.33722	35.85861
Garber Sandstone	355321097270301	-97.45083	35.88917
Garber Sandstone	355353097373901	-97.62750	35.89806
Garber Sandstone	355543097284701	-97.47972	35.92861
Garber Sandstone	355614097183001	-97.30833	35.93722
Garber Sandstone	355818097280301	-97.46750	35.97167
Garber Sandstone	355915097305401	-97.51500	35.98750
Garber Wellington Aquifer	350055097125402	-97.21500	35.01528
Garber Wellington Aquifer	350101097125401	-97.21500	35.01694
Garber Wellington Aquifer	350203097072201	-97.12278	35.03417
Garber Wellington Aquifer	350240097064101	-97.11139	35.04444
Garber Wellington Aquifer	350419097093801	-97.16056	35.07194
Garber Wellington Aquifer	350747097113701	-97.19361	35.12972

Water Analyses: Arsenic

Unit	Well ID	Depth (ft)	Depth (m)	Arsenic (mg/l)	Arsenic (µg/l)
Garber Sandstone	353141097293001			0.0010	1.0
Garber Sandstone	353145097263801			0.0020	2.0
Garber Sandstone	353155097294601			0.0010	1.0
Garber Sandstone	353210097282401			0.0010	1.0
Garber Sandstone	353219097295801			0.0010	1.0
Garber Sandstone	353223097320501			0.0300	30.0
Garber Sandstone	353223097320501			0.0020	2.0
Garber Sandstone	353227097251101			0.0020	2.0
Garber Sandstone	353229097285301			0.0010	1.0
Garber Sandstone	353243097304101			0.0010	1.0
Garber Sandstone	353244097255801			0.0030	3.0
Garber Sandstone	353539097243901			0.0010	1.0
Garber Sandstone	353600097264001			0.0030	3.0
Garber Sandstone	353631097232301			0.0010	1.0
Garber Sandstone	354012097231001	119.5	36.4	0.0010	1.0
Garber Sandstone	354012097231001	164.9	50.3	0.0230	23.0
Garber Sandstone	354105097332401			0.0040	4.0
Garber Sandstone	354208097330201	106.2	32.4	0.0010	1.0
Garber Sandstone	354208097330201	141.0	43.0	0.0010	1.0
Garber Sandstone	354208097330201	181.8	55.4	0.0020	2.0
Garber Sandstone	354208097330201	182.0	55.5	0.0020	2.0
Garber Sandstone	354208097330201	222.8	67.9	0.0020	2.0
Garber Sandstone	354208097330201	276.2	84.2	0.0030	3.0
Garber Sandstone	354208097330201	296.2	90.3	0.0010	1.0
Garber Sandstone	354208097330201	327.1	99.7	0.0030	3.0
Garber Sandstone	354208097330201	475.1	144.8	0.0650	65.0
Garber Sandstone	354606097315601			0.0020	2.0
Garber Sandstone	354620097315201			0.0010	1.0
Garber Sandstone	354755097392001			0.0030	3.0
Garber Sandstone	354758097295201			0.0090	9.0
Garber Sandstone	355052097284301			0.0010	1.0
Garber Sandstone	355118097250001	176.0	53.6	0.0530	53.0
Garber Sandstone	355118097250001	229.0	69.8	0.0690	69.0
Garber Sandstone	355120097233001			0.0010	1.0
Garber Sandstone	355141097201401			0.0010	1.0
Garber Sandstone	355321097270301			0.0010	1.0
Garber Sandstone	355353097373901			0.0008	0.8
Garber Sandstone	355543097284701			0.0100	10.0
Garber Sandstone	355614097183001			0.0010	1.0
Garber Sandstone	355818097280301			0.0005	0.5
Garber Sandstone	355915097305401			0.0005	0.5
Garber Wellington Aquifer	350055097125402			0.0010	1.0
Garber Wellington Aquifer	350101097125401			0.0040	4.0
Garber Wellington Aquifer	350203097072201			0.0010	1.0
Garber Wellington Aquifer	350240097064101			0.0010	1.0
Garber Wellington Aquifer	350419097093801			0.0100	10.0
Garber Wellington Aquifer	350747097113701			0.0100	10.0

Water Analyses: Arsenic

Unit	Well ID	As Range	MCL
Garber Sandstone	353141097293001	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353145097263801	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353155097294601	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353210097282401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353219097295801	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353223097320501	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Sandstone	353223097320501	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353227097251101	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353229097285301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353243097304101	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353244097255801	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353539097243901	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	353600097264001	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	353631097232301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354012097231001	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354012097231001	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Sandstone	354105097332401	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354208097330201	>50.0 ug/l	Exceeds MCL
Garber Sandstone	354606097315601	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354620097315201	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	354755097392001	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Sandstone	354758097295201	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Sandstone	355052097284301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355118097250001	>50.0 ug/l	Exceeds MCL
Garber Sandstone	355118097250001	>50.0 ug/l	Exceeds MCL
Garber Sandstone	355120097233001	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355141097201401	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355321097270301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355353097373901	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355543097284701	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Sandstone	355614097183001	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355818097280301	< 2.0 ug/l	Does not exceed MCL
Garber Sandstone	355915097305401	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350055097125402	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350101097125401	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350203097072201	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350240097064101	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350419097093801	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	350747097113701	5.0 ug/l - 10.0 ug/l	Does not exceed MCL

Water Analyses: Arsenic

Unit	Well ID	Field pH	Lab pH	Activity of AsO43- (Field pH)	Activity of AsO43- (Lab pH)
Garber Sandstone	353141097293001				
Garber Sandstone	353145097263801				
Garber Sandstone	353155097294601				
Garber Sandstone	353210097282401				
Garber Sandstone	353219097295801				
Garber Sandstone	353223097320501				
Garber Sandstone	353223097320501				
Garber Sandstone	353227097251101				
Garber Sandstone	353229097285301				
Garber Sandstone	353243097304101				
Garber Sandstone	353244097255801				
Garber Sandstone	353539097243901				
Garber Sandstone	353600097264001				
Garber Sandstone	353631097232301				
Garber Sandstone	354012097231001				
Garber Sandstone	354012097231001				
Garber Sandstone	354105097332401				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354606097315601				
Garber Sandstone	354620097315201				
Garber Sandstone	354755097392001				
Garber Sandstone	354758097295201				
Garber Sandstone	355052097284301				
Garber Sandstone	355118097250001				
Garber Sandstone	355118097250001				
Garber Sandstone	355120097233001				
Garber Sandstone	355141097201401				
Garber Sandstone	355321097270301				
Garber Sandstone	355353097373901				
Garber Sandstone	355543097284701				
Garber Sandstone	355614097183001				
Garber Sandstone	355818097280301				
Garber Sandstone	355915097305401				
Garber Wellington Aquifer	350055097125402	8.8	8.6	2.0E-06	2.1E-06
Garber Wellington Aquifer	350101097125401	8.0	8.1	9.8E-06	9.6E-06
Garber Wellington Aquifer	350203097072201	6.1	6.6	4.1E-06	3.6E-06
Garber Wellington Aquifer	350240097064101	7.6	7.6	2.8E-06	2.7E-06
Garber Wellington Aquifer	350419097093801		7.4		2.9E-05
Garber Wellington Aquifer	350747097113701		6.1		4.1E-05

Water Analyses: Arsenic

Unit	Well ID	Calculated pE (Field pH)	Calculated pE (Lab pH)	Calculated Eh (Field pH)	Calculated Eh (Lab pH)
Garber Sandstone	353141097293001				
Garber Sandstone	353145097263801				
Garber Sandstone	353155097294601				
Garber Sandstone	353210097282401				
Garber Sandstone	353219097295801				
Garber Sandstone	353223097320501				
Garber Sandstone	353223097320501				
Garber Sandstone	353227097251101				
Garber Sandstone	353229097285301				
Garber Sandstone	353243097304101				
Garber Sandstone	353244097255801				
Garber Sandstone	353539097243901				
Garber Sandstone	353600097264001				
Garber Sandstone	353631097232301				
Garber Sandstone	354012097231001				
Garber Sandstone	354012097231001				
Garber Sandstone	354105097332401				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354208097330201				
Garber Sandstone	354606097315601				
Garber Sandstone	354620097315201				
Garber Sandstone	354755097392001				
Garber Sandstone	354758097295201				
Garber Sandstone	355052097284301				
Garber Sandstone	355118097250001				
Garber Sandstone	355118097250001				
Garber Sandstone	355120097233001				
Garber Sandstone	355141097201401				
Garber Sandstone	355321097270301				
Garber Sandstone	355353097373901				
Garber Sandstone	355543097284701				
Garber Sandstone	355614097183001				
Garber Sandstone	355818097280301				
Garber Sandstone	355915097305401				
Garber Wellington Aquifer	350055097125402	5.7	5.7	0.3	0.3
Garber Wellington Aquifer	350101097125401	5.0	5.0	0.3	0.3
Garber Wellington Aquifer	350203097072201	5.4	5.4	0.3	0.3
Garber Wellington Aquifer	350240097064101	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	350419097093801		4.5		0.3
Garber Wellington Aquifer	350747097113701		4.4		0.3

Water Analyses: Arsenic

Unit	Well ID	Long	Lat
Garber Wellington Aquifer	350756097232001	-97.38889	35.13222
Garber Wellington Aquifer	350845097214501	-97.36250	35.14583
Garber Wellington Aquifer	351118097114901	-97.19694	35.18833
Garber Wellington Aquifer	351219097262301	-97.43972	35.20528
Garber Wellington Aquifer	351236097262801	-97.44111	35.21000
Garber Wellington Aquifer	351414097293901	-97.49417	35.23722
Garber Wellington Aquifer	351611097042001	-97.07222	35.26972
Garber Wellington Aquifer	351624097082401	-97.14000	35.27333
Garber Wellington Aquifer	351630097190001	-97.31667	35.27500
Garber Wellington Aquifer	351715097032501	-97.05694	35.28750
Garber Wellington Aquifer	351729097221301	-97.37028	35.29139
Garber Wellington Aquifer	351729097221302	-97.37028	35.29139
Garber Wellington Aquifer	351817097155201	-97.26444	35.30472
Garber Wellington Aquifer	351858097124801	-97.21333	35.31611
Garber Wellington Aquifer	352043097282001	-97.47222	35.34528
Garber Wellington Aquifer	352123097282301	-97.47306	35.35639
Garber Wellington Aquifer	352142097103501	-97.17639	35.36167
Garber Wellington Aquifer	352142097103501	-97.17639	35.36167
Garber Wellington Aquifer	352142097103501	-97.17639	35.36167
Garber Wellington Aquifer	352142097103501	-97.17639	35.36167
Garber Wellington Aquifer	352326097044801	-97.08000	35.39056
Garber Wellington Aquifer	352515097370801	-97.61889	35.42083
Garber Wellington Aquifer	352536097072501	-97.12361	35.42667
Garber Wellington Aquifer	352550097055401	-97.09833	35.43056
Garber Wellington Aquifer	352550097055401	-97.09833	35.43056
Garber Wellington Aquifer	352704097220601	-97.36833	35.45111
Garber Wellington Aquifer	352749097192301	-97.32306	35.46361
Garber Wellington Aquifer	352749097192301	-97.32306	35.46361
Garber Wellington Aquifer	352830097100301	-97.16750	35.47500
Garber Wellington Aquifer	352851097093801	-97.16139	35.48278
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	352917097380001	-97.63333	35.48806
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389

Water Analyses: Arsenic

Unit	Well ID	Depth (ft)	Depth (m)	Arsenic (mg/l)	Arsenic (µg/l)
Garber Wellington Aquifer	350756097232001			0.0510	51.0
Garber Wellington Aquifer	350845097214501			0.0050	5.0
Garber Wellington Aquifer	351118097114901			0.0010	1.0
Garber Wellington Aquifer	351219097262301			0.0140	14.0
Garber Wellington Aquifer	351236097262801			0.0420	42.0
Garber Wellington Aquifer	351414097293901			0.0140	14.0
Garber Wellington Aquifer	351611097042001			0.0010	1.0
Garber Wellington Aquifer	351624097082401			0.0010	1.0
Garber Wellington Aquifer	351630097190001			0.0100	10.0
Garber Wellington Aquifer	351715097032501			0.0100	10.0
Garber Wellington Aquifer	351729097221301			0.0010	1.0
Garber Wellington Aquifer	351729097221302			0.0280	28.0
Garber Wellington Aquifer	351817097155201			0.0010	1.0
Garber Wellington Aquifer	351858097124801			0.0100	10.0
Garber Wellington Aquifer	352043097282001			0.0320	32.0
Garber Wellington Aquifer	352123097282301			0.0080	8.0
Garber Wellington Aquifer	352142097103501	101.0	30.8	0.0010	1.0
Garber Wellington Aquifer	352142097103501	156.2	47.6	0.0010	1.0
Garber Wellington Aquifer	352142097103501	189.0	57.6	0.0010	1.0
Garber Wellington Aquifer	352142097103501	257.5	78.5	0.0010	1.0
Garber Wellington Aquifer	352326097044801			0.0010	1.0
Garber Wellington Aquifer	352515097370801			0.1100	110.0
Garber Wellington Aquifer	352536097072501			0.0100	10.0
Garber Wellington Aquifer	352550097055401			0.0010	1.0
Garber Wellington Aquifer	352550097055401			0.0010	1.0
Garber Wellington Aquifer	352704097220601			0.0100	10.0
Garber Wellington Aquifer	352749097192301			0.0010	1.0
Garber Wellington Aquifer	352749097192301			0.0010	1.0
Garber Wellington Aquifer	352830097100301			0.0010	1.0
Garber Wellington Aquifer	352851097093801			0.0010	1.0
Garber Wellington Aquifer	352917097380001			0.0800	80.0
Garber Wellington Aquifer	352917097380001	628.0	191.4	0.0360	36.0
Garber Wellington Aquifer	352917097380001	660.0	201.2	0.0680	68.0
Garber Wellington Aquifer	352917097380001	681.0	207.6	0.0670	67.0
Garber Wellington Aquifer	352917097380001	701.0	213.7	0.0860	86.0
Garber Wellington Aquifer	352917097380001	728.0	221.9	0.0700	70.0
Garber Wellington Aquifer	352917097380001	756.0	230.4	0.0660	66.0
Garber Wellington Aquifer	352917097380001	786.0	239.6	0.0660	66.0
Garber Wellington Aquifer	352917097380001	813.0	247.8	0.0900	90.0
Garber Wellington Aquifer	353126097374101			0.0930	93.0
Garber Wellington Aquifer	353126097374101	450.0	137.2	0.0100	10.0
Garber Wellington Aquifer	353126097374101	515.0	157.0	0.0100	10.0
Garber Wellington Aquifer	353126097374101	584.0	178.0	0.0900	90.0
Garber Wellington Aquifer	353126097374101	615.0	187.5	0.1360	136.0
Garber Wellington Aquifer	353126097374101	650.0	198.1	0.0760	76.0
Garber Wellington Aquifer	353126097374101	720.0	219.5	0.0960	96.0
Garber Wellington Aquifer	353126097374101	760.0	231.6	0.0410	41.0

Water Analyses: Arsenic

Unit	Well ID	As Range	MCL
Garber Wellington Aquifer	350756097232001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	350845097214501	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351118097114901	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351219097262301	10.0 ug/l - 20.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	351236097262801	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	351414097293901	10.0 ug/l - 20.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	351611097042001	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351624097082401	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351630097190001	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351715097032501	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351729097221301	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351729097221302	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	351817097155201	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	351858097124801	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352043097282001	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352123097282301	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352142097103501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352142097103501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352142097103501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352142097103501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352326097044801	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352515097370801	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352536097072501	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352550097055401	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352550097055401	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352704097220601	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352749097192301	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352749097192301	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352830097100301	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352851097093801	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	352917097380001	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353126097374101	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353126097374101	20.0 ug/l - 50.0 ug/l	Exceeds MCL

Water Analyses: Arsenic

Unit	Well ID	Field pH	Lab pH	Activity of AsO43- (Field pH)	Activity of AsO43- (Lab pH)
Garber Wellington Aquifer	350756097232001	8.7	8.6	1.1E-04	1.1E-04
Garber Wellington Aquifer	350845097214501	7.6	7.7	1.4E-05	1.3E-05
Garber Wellington Aquifer	351118097114901	6.4	6.7	3.7E-06	3.5E-06
Garber Wellington Aquifer	351219097262301	8.6	8.5	3.0E-05	3.0E-05
Garber Wellington Aquifer	351236097262801	8.8	8.7	8.6E-05	8.7E-05
Garber Wellington Aquifer	351414097293901	8.6	8.6	3.0E-05	3.0E-05
Garber Wellington Aquifer	351611097042001	6.3	6.5	3.8E-06	3.6E-06
Garber Wellington Aquifer	351624097082401	7.3	7.4	3.0E-06	2.9E-06
Garber Wellington Aquifer	351630097190001		6.8		3.4E-05
Garber Wellington Aquifer	351715097032501		5.6		4.6E-05
Garber Wellington Aquifer	351729097221301	7.3	7.8	2.9E-06	2.6E-06
Garber Wellington Aquifer	351729097221302	8.0		6.9E-05	
Garber Wellington Aquifer	351817097155201	8.0		2.5E-06	
Garber Wellington Aquifer	351858097124801		6.3		3.8E-05
Garber Wellington Aquifer	352043097282001	9.0	8.9	6.1E-05	6.3E-05
Garber Wellington Aquifer	352123097282301	8.8	8.7	1.6E-05	1.7E-05
Garber Wellington Aquifer	352142097103501	7.7	7.8	2.7E-06	2.6E-06
Garber Wellington Aquifer	352142097103501	7.7	7.8	2.7E-06	2.6E-06
Garber Wellington Aquifer	352142097103501	7.7	7.8	2.7E-06	2.6E-06
Garber Wellington Aquifer	352142097103501	7.7	7.8	2.7E-06	2.6E-06
Garber Wellington Aquifer	352326097044801	6.9	7.3	3.3E-06	3.0E-06
Garber Wellington Aquifer	352515097370801	9.1	9.0	2.1E-04	2.1E-04
Garber Wellington Aquifer	352536097072501		5.2		5.1E-05
Garber Wellington Aquifer	352550097055401	7.0	7.0	3.2E-06	3.2E-06
Garber Wellington Aquifer	352550097055401	7.0	7.0	3.2E-06	3.2E-06
Garber Wellington Aquifer	352704097220601		7.8		2.6E-05
Garber Wellington Aquifer	352749097192301	7.6	7.9	2.7E-06	2.5E-06
Garber Wellington Aquifer	352749097192301	7.6	7.9	2.7E-06	2.5E-06
Garber Wellington Aquifer	352830097100301				
Garber Wellington Aquifer	352851097093801				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				

Water Analyses: Arsenic

Unit	Well ID	Calculated pE (Field pH)	Calculated pE (Lab pH)	Calculated Eh (Field pH)	Calculated Eh (Lab pH)
Garber Wellington Aquifer	350756097232001	4.0	4.0	0.2	0.2
Garber Wellington Aquifer	350845097214501	4.9	4.9	0.3	0.3
Garber Wellington Aquifer	351118097114901	5.4	5.5	0.3	0.3
Garber Wellington Aquifer	351219097262301	4.5	4.5	0.3	0.3
Garber Wellington Aquifer	351236097262801	4.1	4.1	0.2	0.2
Garber Wellington Aquifer	351414097293901	4.5	4.5	0.3	0.3
Garber Wellington Aquifer	351611097042001	5.4	5.4	0.3	0.3
Garber Wellington Aquifer	351624097082401	5.5	5.5	0.3	0.3
Garber Wellington Aquifer	351630097190001		4.5		0.3
Garber Wellington Aquifer	351715097032501		4.3		0.3
Garber Wellington Aquifer	351729097221301	5.5	5.6	0.3	0.3
Garber Wellington Aquifer	351729097221302	4.2		0.2	
Garber Wellington Aquifer	351817097155201	5.6		0.3	
Garber Wellington Aquifer	351858097124801		4.4		0.3
Garber Wellington Aquifer	352043097282001	4.2	4.2	0.2	0.2
Garber Wellington Aquifer	352123097282301	4.8	4.8	0.3	0.3
Garber Wellington Aquifer	352142097103501	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352142097103501	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352142097103501	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352142097103501	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352326097044801	5.5	5.5	0.3	0.3
Garber Wellington Aquifer	352515097370801	3.7	3.7	0.2	0.2
Garber Wellington Aquifer	352536097072501		4.3		0.3
Garber Wellington Aquifer	352550097055401	5.5	5.5	0.3	0.3
Garber Wellington Aquifer	352550097055401	5.5	5.5	0.3	0.3
Garber Wellington Aquifer	352704097220601		4.6		0.3
Garber Wellington Aquifer	352749097192301	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352749097192301	5.6	5.6	0.3	0.3
Garber Wellington Aquifer	352830097100301				
Garber Wellington Aquifer	352851097093801				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	352917097380001				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353126097374101				

Water Analyses: Arsenic

Unit	Well ID	Long	Lat
Garber Wellington Aquifer	353126097374101	-97.62806	35.52389
Garber Wellington Aquifer	353214097313401	-97.52611	35.53722
Garber Wellington Aquifer	353324097173701	-97.29361	35.55667
Garber Wellington Aquifer	353324097173701	-97.29361	35.55667
Garber Wellington Aquifer	353325097313001	-97.52500	35.55694
Garber Wellington Aquifer	353411097374501	-97.62917	35.56972
Garber Wellington Aquifer	353532097285601	-97.48222	35.59222
Garber Wellington Aquifer	353634097120701	-97.20194	35.60944
Garber Wellington Aquifer	353753097273501	-97.45972	35.63139
Garber Wellington Aquifer	353819097254901	-97.43028	35.63861
Garber Wellington Aquifer	353819097270701	-97.45194	35.63861
Garber Wellington Aquifer	353819097305101	-97.51417	35.63861
Garber Wellington Aquifer	353909097304501	-97.51056	35.65250
Garber Wellington Aquifer	353915097403901	-97.67750	35.65417
Garber Wellington Aquifer	354242097332501	-97.55694	35.71167
Garber Wellington Aquifer	354248097191601	-97.32111	35.71333
Garber Wellington Aquifer	354302097332501	-97.55694	35.71722
Garber Wellington Aquifer	354308097274101	-97.46139	35.71889
Garber Wellington Aquifer	354332097295301	-97.49806	35.72556
Garber Wellington Aquifer	354506097263601	-97.44333	35.75167
Garber Wellington Aquifer	354514097222101	-97.37250	35.75389
Garber Wellington Aquifer	354605097185901	-97.31639	35.76806
Garber Wellington Aquifer	354631097215501	-97.36528	35.77528
Garber Wellington Aquifer	354749097223601	-97.37667	35.79694
Garber Wellington Aquifer	354817097281101	-97.46972	35.80472
Garber Wellington Aquifer	354959097175901	-97.29972	35.83306
Garber Wellington Aquifer	355058097233001	-97.39167	35.84944
Wellington Formation	351212097045601	-97.08222	35.20333
Wellington Formation	351433097004401	-97.01222	35.24250
Wellington Formation	352327097040101	-97.06694	35.39056
Wellington Formation	353236097072801	-97.12444	35.54333
Wellington Formation	353909097100101	-97.16806	35.65250
Wellington Formation	353947097111501	-97.18750	35.66306
Wellington Formation	354008097190901	-97.31917	35.66889
Wellington Formation	354203097114301	-97.19528	35.70083
Wellington Formation	354341097042101	-97.07250	35.72806
Wellington Formation	354706097051001	-97.08611	35.78500
Wellington Formation	354748097050001	-97.08333	35.79667
Wellington Formation	354936097052701	-97.09083	35.82667
Wellington Formation	355039097041401	-97.07056	35.84694
Wellington Formation	355206097090101	-97.15028	35.86833
Wellington Formation	355444097071301	-97.12028	35.91222

Water Analyses: Arsenic

Unit	Well ID	Depth (ft)	Depth (m)	Arsenic (mg/l)	Arsenic (µg/l)
Garber Wellington Aquifer	353126097374101	796.0	242.6	0.0530	53.0
Garber Wellington Aquifer	353214097313401			0.0540	54.0
Garber Wellington Aquifer	353324097173701			0.0010	1.0
Garber Wellington Aquifer	353324097173701			0.0010	1.0
Garber Wellington Aquifer	353325097313001			0.0100	10.0
Garber Wellington Aquifer	353411097374501			0.0210	21.0
Garber Wellington Aquifer	353532097285601			0.0010	1.0
Garber Wellington Aquifer	353634097120701			0.0100	10.0
Garber Wellington Aquifer	353753097273501			0.0010	1.0
Garber Wellington Aquifer	353819097254901			0.0020	2.0
Garber Wellington Aquifer	353819097270701			0.0010	1.0
Garber Wellington Aquifer	353819097305101			0.0010	1.0
Garber Wellington Aquifer	353909097304501			0.0020	2.0
Garber Wellington Aquifer	353915097403901			0.0040	4.0
Garber Wellington Aquifer	354242097332501			0.0480	48.0
Garber Wellington Aquifer	354248097191601			0.0100	10.0
Garber Wellington Aquifer	354302097332501			0.0100	10.0
Garber Wellington Aquifer	354308097274101			0.0100	10.0
Garber Wellington Aquifer	354332097295301			0.0010	1.0
Garber Wellington Aquifer	354506097263601			0.0010	1.0
Garber Wellington Aquifer	354514097222101			0.0020	2.0
Garber Wellington Aquifer	354605097185901			0.0010	1.0
Garber Wellington Aquifer	354631097215501			0.0010	1.0
Garber Wellington Aquifer	354749097223601			0.0100	10.0
Garber Wellington Aquifer	354817097281101			0.0010	1.0
Garber Wellington Aquifer	354959097175901			0.0010	1.0
Garber Wellington Aquifer	355058097233001			0.0020	2.0
Wellington Formation	351212097045601			0.0010	1.0
Wellington Formation	351433097004401			0.0010	1.0
Wellington Formation	352327097040101			0.0010	1.0
Wellington Formation	353236097072801			0.0010	1.0
Wellington Formation	353909097100101			0.0010	1.0
Wellington Formation	353947097111501			0.0010	1.0
Wellington Formation	354008097190901			0.0020	2.0
Wellington Formation	354203097114301			0.0010	1.0
Wellington Formation	354341097042101			0.0100	10.0
Wellington Formation	354706097051001			0.0040	4.0
Wellington Formation	354748097050001			0.0100	10.0
Wellington Formation	354936097052701			0.0100	10.0
Wellington Formation	355039097041401			0.0010	1.0
Wellington Formation	355206097090101			0.0010	1.0
Wellington Formation	355444097071301			0.0010	1.0

Water Analyses: Arsenic

Unit	Well ID	As Range	MCL
Garber Wellington Aquifer	353126097374101	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353214097313401	>50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353324097173701	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353324097173701	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353325097313001	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353411097374501	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	353532097285601	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353634097120701	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353753097273501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353819097254901	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353819097270701	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353819097305101	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353909097304501	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	353915097403901	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354242097332501	20.0 ug/l - 50.0 ug/l	Exceeds MCL
Garber Wellington Aquifer	354248097191601	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354302097332501	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354308097274101	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354332097295301	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354506097263601	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354514097222101	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354605097185901	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354631097215501	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354749097223601	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354817097281101	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	354959097175901	< 2.0 ug/l	Does not exceed MCL
Garber Wellington Aquifer	355058097233001	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Wellington Formation	351212097045601	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	351433097004401	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	352327097040101	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	353236097072801	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	353909097100101	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	353947097111501	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	354008097190901	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Wellington Formation	354203097114301	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	354341097042101	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Wellington Formation	354706097051001	2.0 ug/l - 5.0 ug/l	Does not exceed MCL
Wellington Formation	354748097050001	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Wellington Formation	354936097052701	5.0 ug/l - 10.0 ug/l	Does not exceed MCL
Wellington Formation	355039097041401	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	355206097090101	< 2.0 ug/l	Does not exceed MCL
Wellington Formation	355444097071301	< 2.0 ug/l	Does not exceed MCL

Water Analyses: Arsenic

Unit	Well ID	Field pH	Lab pH	Activity of AsO43- (Field pH)	Activity of AsO43- (Lab pH)
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353214097313401				
Garber Wellington Aquifer	353324097173701				
Garber Wellington Aquifer	353324097173701				
Garber Wellington Aquifer	353325097313001				
Garber Wellington Aquifer	353411097374501				
Garber Wellington Aquifer	353532097285601				
Garber Wellington Aquifer	353634097120701				
Garber Wellington Aquifer	353753097273501				
Garber Wellington Aquifer	353819097254901				
Garber Wellington Aquifer	353819097270701				
Garber Wellington Aquifer	353819097305101				
Garber Wellington Aquifer	353909097304501				
Garber Wellington Aquifer	353915097403901				
Garber Wellington Aquifer	354242097332501				
Garber Wellington Aquifer	354248097191601				
Garber Wellington Aquifer	354302097332501				
Garber Wellington Aquifer	354308097274101				
Garber Wellington Aquifer	354332097295301				
Garber Wellington Aquifer	354506097263601				
Garber Wellington Aquifer	354514097222101				
Garber Wellington Aquifer	354605097185901				
Garber Wellington Aquifer	354631097215501				
Garber Wellington Aquifer	354749097223601				
Garber Wellington Aquifer	354817097281101				
Garber Wellington Aquifer	354959097175901				
Garber Wellington Aquifer	355058097233001				
Wellington Formation	351212097045601	6.7	6.9	3.5E-06	3.3E-06
Wellington Formation	351433097004401	6.8	6.9	3.4E-06	3.3E-06
Wellington Formation	352327097040101	6.0	6.3	4.2E-06	3.8E-06
Wellington Formation	353236097072801				
Wellington Formation	353909097100101				
Wellington Formation	353947097111501				
Wellington Formation	354008097190901				
Wellington Formation	354203097114301				
Wellington Formation	354341097042101				
Wellington Formation	354706097051001				
Wellington Formation	354748097050001				
Wellington Formation	354936097052701				
Wellington Formation	355039097041401				
Wellington Formation	355206097090101				
Wellington Formation	355444097071301				

Water Analyses: Arsenic

Unit	Well ID	Calculated pE (Field pH)	Calculated pE (Lab pH)	Calculated Eh (Field pH)	Calculated Eh (Lab pH)
Garber Wellington Aquifer	353126097374101				
Garber Wellington Aquifer	353214097313401				
Garber Wellington Aquifer	353324097173701				
Garber Wellington Aquifer	353324097173701				
Garber Wellington Aquifer	353325097313001				
Garber Wellington Aquifer	353411097374501				
Garber Wellington Aquifer	353532097285601				
Garber Wellington Aquifer	353634097120701				
Garber Wellington Aquifer	353753097273501				
Garber Wellington Aquifer	353819097254901				
Garber Wellington Aquifer	353819097270701				
Garber Wellington Aquifer	353819097305101				
Garber Wellington Aquifer	353909097304501				
Garber Wellington Aquifer	353915097403901				
Garber Wellington Aquifer	354242097332501				
Garber Wellington Aquifer	354248097191601				
Garber Wellington Aquifer	354302097332501				
Garber Wellington Aquifer	354308097274101				
Garber Wellington Aquifer	354332097295301				
Garber Wellington Aquifer	354506097263601				
Garber Wellington Aquifer	354514097222101				
Garber Wellington Aquifer	354605097185901				
Garber Wellington Aquifer	354631097215501				
Garber Wellington Aquifer	354749097223601				
Garber Wellington Aquifer	354817097281101				
Garber Wellington Aquifer	354959097175901				
Garber Wellington Aquifer	355058097233001				
Wellington Formation	351212097045601	5.5	5.5	0.3	0.3
Wellington Formation	351433097004401	5.5	5.5	0.3	0.3
Wellington Formation	352327097040101	5.4	5.4	0.3	0.3
Wellington Formation	353236097072801				
Wellington Formation	353909097100101				
Wellington Formation	353947097111501				
Wellington Formation	354008097190901				
Wellington Formation	354203097114301				
Wellington Formation	354341097042101				
Wellington Formation	354706097051001				
Wellington Formation	354748097050001				
Wellington Formation	354936097052701				
Wellington Formation	355039097041401				
Wellington Formation	355206097090101				
Wellington Formation	355444097071301				

VITA 2

Michael Riley Keester

Candidate for the Degree of

Master of Science

Thesis: ARSENIC IN THE CENTRAL OKLAHOMA AQUIFER

Major Field: Geology

Biographical:

Personal Data: Born in Bakersfield, California on June 29, 1972 the son of riley and Nina Keester.

Education: Graduated from North Bakersfield High School, Bakersfield, California in May 1990; received Bachelor of Arts degree in Philosophy and Religion from Oklahoma Baptist University, Shawnee, Oklahoma in December 1996. Completed the requirements for the Master of Science degree with a major in Geology at Oklahoma State University in December 2002.