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*Office of Environmental Management – Grand Junction*

MOAB UTAH

UMTRA Project

# Fall 2005 Performance Assessment of the Ground Water Interim Action Well Fields at the Moab, Utah, Project Site

U.S. Department of Energy

Office of Environmental Management

*Work Performed Under DOE Contract No. DE–AC01–02GJ79491*
*for the U.S. Department of Energy Office of Environmental Management.*

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# Fall 2005 Performance Assessment of the Ground Water Interim Action Well Fields at the Moab, Utah, Project Site

May 2006

Work Performed by S.M. Stoller Corporation under DOE Contract No. DE–AC01–02GJ79491 for the U.S. Department of Energy Office of Environmental Management, Grand Junction, Colorado

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# 1.0 Introduction

This document presents an updated evaluation of pumping well systems used to extract contaminated ground water as part of the Ground Water Interim Action (Ground Water IA) at the Moab Uranium Mill Tailings Remedial Action (UMTRA) Project Site (Moab Site). A previous evaluation of ground water extraction during 2004 (DOE 2005b) accounted for pumping from the IA system referred to as Configuration 1. This updated study examines the continued use of the Configuration 1 system in 2005 as well as the time-limited use of a new extraction system (Configuration 3) installed in the summer of 2005. Pumping at these well fields, both located near the west bank of the Colorado River (Figure 1–1), has the potential to mitigate potential environmental effects of contaminated alluvial ground water that, under natural conditions, discharges to potential fish habitat in the Colorado River near its west bank. This habitat is ephemeral, consisting of backwaters in side channels of the river that are present only under certain flow conditions.

Contamination found in ground water at the Moab Site was caused by local uranium milling operations between the 1950s and 1980s. Some of the contaminants were contributed by seepage from the Moab tailings pile, located about 700 to 750 feet (ft) west-northwest of the river. The most notable contaminant from tailings seepage is dissolved ammonia, which occurs in a wide swath downgradient of the pile and discharges to the river, where it can affect the well being of endangered fish species. Another constituent of concern is dissolved uranium, which also discharges to the river in the area impacted by ammonia.

## 1.1 Previous Studies

Studies of Moab Site over the past 4 years have shown that the local ground water chemistry has been and continues to be affected by a variety of hydrologic and geochemical processes, many of which are unique to Moab Valley in which the site is located. As a result of these processes, contamination associated with historical milling activities is found not only in shallow ground water that contributes the ammonia found in potential fish habitat of the river but also in relatively deep ground water containing brine. The brine, which is caused by mostly by natural phenomena, tends to mix with both contaminated ground water and relatively fresh water entering the site to the west and north of the tailings pile, which in turn causes shallow ground water discharging to the river to also be quite saline. This mixing of waters leads to a complex geochemical system, which becomes further complicated when site ground water reaches the river. This is because the ground water does not discharge directly to the river, but rather first passes through another area of water mixing located adjacent to and below the river that contains surface water that has infiltrated the subsurface. This latter mixing area, termed the hyporheic zone, is noteworthy for the large number of chemical reactions that potentially occur within it, many of which are mediated by microorganisms. Such biogeochemical activity has the potential to greatly attenuate the concentrations of ammonia and other dissolved constituents in ground water.

A variety of site studies have led to the current conceptual model of ground water flow and chemistry that was used to define the scope of this investigation of the Configuration 1 and 3 systems. Many of the results from those studies are contained in the *Site Observational Work Plan for the Moab, Utah, Site* (DOE 2003d). Preliminary information regarding ground water in

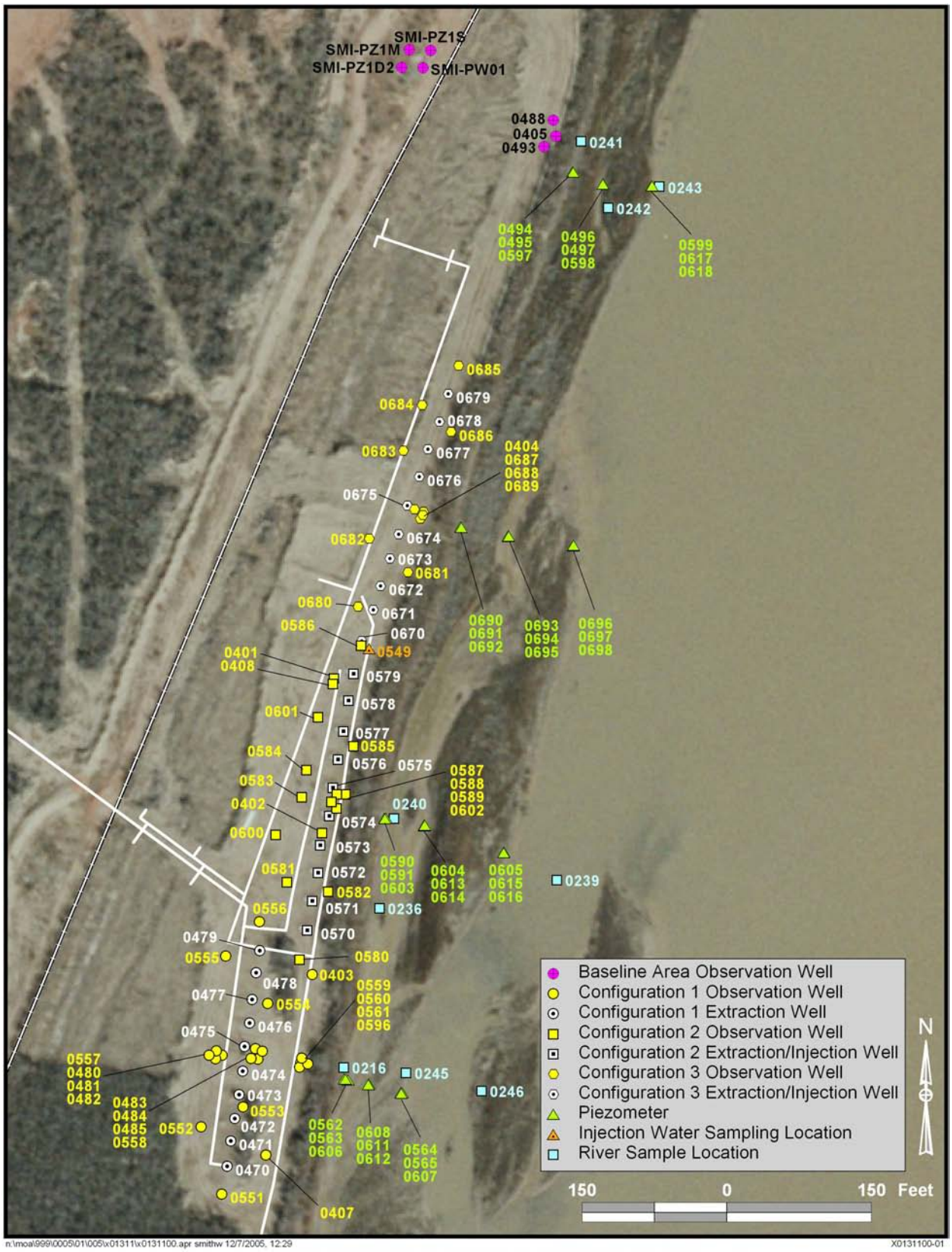



*Figure 1–1. Map View of Interim Action Components and Well Locations*

the Configuration 1 area after this system was installed in spring 2004 is presented in the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, Moab Utah* (DOE 2004a) and a subsequent calculation entitled *Evaluation of September 2003 Preliminary Performance Data for the Interim Action* (DOE 2004a). The first detailed evaluation of Configuration 1 performance examined its operation between June and October of 2004, as reported in the *Fall 2004 Performance Assessment of the Ground Water Interim Action Well Fields at the Moab, Utah, Project Site* (DOE 2005b).

In conjunction with the 2004 performance assessment of Configuration 1, data from a series of pumping tests in the Configuration 2 area during September and October 2004 were analyzed (DOE 2005b) after this system was installed in July 2004. Configuration 2 was subsequently converted into a system for injecting relatively fresh water (diverted from the river) into ground water, also for the purpose of mitigating potential environmental impacts in backwaters of the Colorado River near its west bank. Full-time injection of river water began in Configuration 2 on October 6, 2004, and its initial operation (through mid-March 2005) was reported in *Performance of the Ground Water Interim Action Injection System at the Configuration 2 Well Field* (DOE 2005c). A subsequent study documented in *Performance of the Ground Water Interim Action Injection System at the Configuration 2 Well Field, October 2004-October 2005* (DOE 2005d) examined the continued performance of the system into fall 2005. Though the processes by which freshwater injection affects river chemistry in river backwaters are different from those resulting from ground water extraction, the results of the two performance assessments of the Configuration 2 system conducted thus far help shed light on this updated assessment of ground water extraction under the IA.

Installation of Configuration 3 wells was completed in August 2005 and pumping of ground water from them began in early October 2005. This report constitutes the first formal description of the components of the Configuration 3 system and its early operation through December 2005. An update to the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, Moab, Utah, Site* (DOE 2005a) is in progress. The update contains system drawings and well construction diagrams for Configuration 3.

## 1.2 Performance Assessment Methods

The performance of ground water extraction methods in contributing to the mitigation of environmental effects is based on comparisons of hydraulic and water chemistry data collected since extraction began at Configurations 1 and 3 with equivalent data reflective of pertinent "baseline" conditions at the Moab Site. Such baseline information is drawn from two sources. In most instances, baseline conditions are based on data collected at the well fields before they began being used for ground water extraction. In other instances, baseline information is drawn from observations made in a separate part of the Moab site called the Baseline Area, which is located north of both Configurations 1 and 3 and about 400 ft south-southwest of the confluence of Moab Wash and the Colorado River (Figure 1–1). The Baseline Area is used to portray ambient hydraulic and water chemistry conditions that occur between the tailings pile and the river; the conditions in the Baseline Area reflect the effects of ammonia and uranium contamination originating in the area of the tailings pile but are unaffected by either ground water pumping or the injection of relatively fresh water diverted from upstream portions of the river.

This performance evaluation uses many of the assessment techniques that were applied in preceding performance reports (DOE 2004a, DOE 2005b, DOE 2005c). However, several new ways of examining data are also applied with the intent of providing greater insight into the hydrogeology of the Moab Site and the chemistry of site ground water near the Colorado River. Some of the techniques make use of cross-sectional depictions of spatially varied water chemistry. In addition to providing better understanding of the distribution and behavior of contaminants under both non-stressed conditions and periods of ground water extraction, the spatial chemical assessments are used to distinguish naturally saline waters from those that can be attributed to site-derived contamination or mixtures of water from more than one origin. Additional assessments of subsurface water chemistry, including temporal plots of chemical parameters, are used to identify potential geochemical reactions occurring in ground water near the river as well as in the hyporheic zone underlying the river. Both spatial and temporal plots of water chemistry indicators are also used to identify temporary reversals in ground water flow during periods of high runoff in the Colorado River.

# 2.0 Purpose and Scope

The primary purpose of this document is to describe the response of ground water in alluvium at the site to pumping in areas just upgradient of the Colorado River, particularly as it affects discharge of contaminated ground water to the river. This purpose is primarily met through the analysis of concentration data for key ground water chemistry parameters (e.g., total dissolved solids [TDS], ammonia, and uranium) and measured water levels in a variety of observation wells and piezometers in the vicinity of Configurations 1 and 3 (Figure 1–1). However, other types of data are also examined with the intent of characterizing transport phenomena that may not have been identified previously.

One of the objectives of this study was to discern possible differences in the performance of the Configuration 3 extraction system versus that of Configuration 1. Evaluation of Configuration 1 extraction wells while they were pumping during 2004 showed that their efficiency tended to decline with continued use (DOE 2005b). This meant that the rate at which ground water was removed from each well progressively declined though the drawdown in water level in the well tended to remain relatively constant. Configuration 3 wells were installed in August of 2005 using construction methods that were intended to overcome some of the efficiency problems with Configuration 1. The screened intervals of Configuration 3 wells spanned depths of about 15 to 45 ft below ground surface (bgs), whereas the screened intervals in most Configuration 1 wells were much shallower, generally between depths of about 10 and 20 ft bgs (screens in two Configuration 1 wells extended to a depth of about 24 ft bgs). The longer screen interval in the Configuration 3 wells was expected to result in larger pumping rates than those achieved in Configuration 1 wells while keeping drawdown of water levels relatively small. In addition, a 20-slot (0.02 inch) screen size was used with the Configuration 3 wells as compared to a 10-slot (0.01 inch) size used at Configuration 1. The larger slot size was intended to minimize potential clogging of screen openings by suspended sediment drawn inward from the aquifer or possible chemically induced precipitation of dissolved solids near the openings (DOE 2005b).

Though a preliminary assessment of Configuration 3 well efficiencies was achievable, time limitations prevented detailed analysis of the wells' hydraulic performance over several months in comparison to those in the Configuration 1 system. Pumping of the Configuration 3 wells did not begin until August 2005 and pumping in both fields was terminated during the first week of December 2005. Another factor also made it difficult to discern whether improvements in well efficiency observed in the Configuration 3 system could be attributed to changes in well construction. Previous investigations had indicated that the salinity of ground water pumped into Configuration 3 wells might be significantly less than the salinity in ambient ground water surrounding Configuration 1. This distinction was important because a previous performance assessment of the Configuration 1 system (DOE 2005b) indicated that declining well efficiencies might also be correlated with high salinity values.

Because several performance evaluations of the Ground Water IA have now been carried out, the opportunity was taken in this study to conduct a more comprehensive evaluation of the water chemistry data associated with all existing IA configurations. In particular, several cross-sections depicting the spatial distribution of chemical parameters were examined for information they might provide regarding the hydrogeology of the Moab Site, such as how flows vary with location. The resulting contributions to the conceptual model of ground water flow at the site were considered significant.

This assessment was also distinguished from previous evaluations of ground water extraction (DOE 2004a, DOE 2005b) in that chemical data were examined in considerable detail to identify potential chemical reactions occurring in site ground water. During 2005, the list of chemical parameters used to characterize ground water in the vicinity of the three configurations comprising the IA was expanded. This expanded list included dissolved oxygen and dissolved bromide concentrations. In addition, parameters potentially indicative of biogeochemical activity in subsurface water were collected and analyzed in relatively great detail. Many of these latter data provided new ways of analyzing constituent concentrations and shed light on a variety of contaminant attenuation processes that occur in the hyporheic zone located below and adjacent to the Colorado River. The relevance of these processes and their potential influence on ground water affected by extraction from Configuration 1 and 3 wells are discussed.

The contaminated water withdrawn from Configuration 1 and 3 extraction wells is treated in an on-site evaporation pond located atop the tailings pile. Information regarding the operation of this pond and its capacity to remove ammonia and uranium mass from water is also discussed in this report.

# 3.0 Ground Water Interim Action Components and Operation

As of 2005, three components of the Ground Water IA had been installed; these were referred to as Configuration 1 (installed in 2003), Configuration 2 (installed in 2004), and Configuration 3 (installed in 2005). Configuration 1 was designed exclusively for ground water extraction to intercept ground water that was contaminated by seepage from fluids in the Moab tailings pile. Configurations 2 and 3 were designed as dual-purpose ground water extraction and freshwater injection well systems. Each of the configurations and the Baseline Area are described in some detail in this section of the report.

A map view of all components of the Ground Water IA is presented in Figure 1–1. Shown are the extraction wells, manifold systems connecting the wells, a pipeline that conveys contaminated water to the top of the Moab tailings pile, and the evaporation pond used for treating the water. A sprinkler system is used on the tailings pile to enhance evaporation of the contaminated water.

## 3.1 Alluvial Aquifer

All wells comprising the three IA configurations are installed in an alluvial aquifer that occurs throughout most of the Moab Site. Though relatively deep wells have been installed at the site, all IA extraction and observation wells are confined to the uppermost 60 ft of alluvial sediments. Descriptions of the materials that comprise the alluvial aquifer in the vicinity of the IA are provided later in Section 4.1.

Lithologic logs and well completion information for most of the wells that comprise Configurations 1 and 2 are presented in the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, Moab Utah* (DOE 2005a). The logs for Configuration 1 wells that have been added to the system since publication of the operations plan are provided in Appendix A of this report. Equivalent information regarding Configuration 3 wells is also presented in Appendix A and discussed further in an in-progress update to the operations plan.

## 3.2 Configuration 1

The Configuration 1 extraction system consists of ten wells located approximately 100 ft from a steep bank that forms the west bank of the Colorado River (Figure 3–1) during high runoff periods. The wells were installed parallel to the river along a straight line and with a 25-ft spacing. In addition, 19 observation wells and nine riverbed piezometers were installed in the Configuration 1 area for monitoring aquifer responses to pumping and other hydraulic stresses.

In early April 2005, a pump was installed in well PW02 (Figure 3–1) and ground water extracted from the well was added to the IA remediation system. Though this well is not officially within any of the IA areas, it was considered a part of Configuration 1 for the purposes of this study because of its proximity to the Configuration 1 extraction wells (~225 ft northwest of well 479). During 2005, ground water extraction at well PW02 helped increase the mass of ammonia and uranium removed from the aquifer made more water available to the sprinkler system on top of the tailings pile.

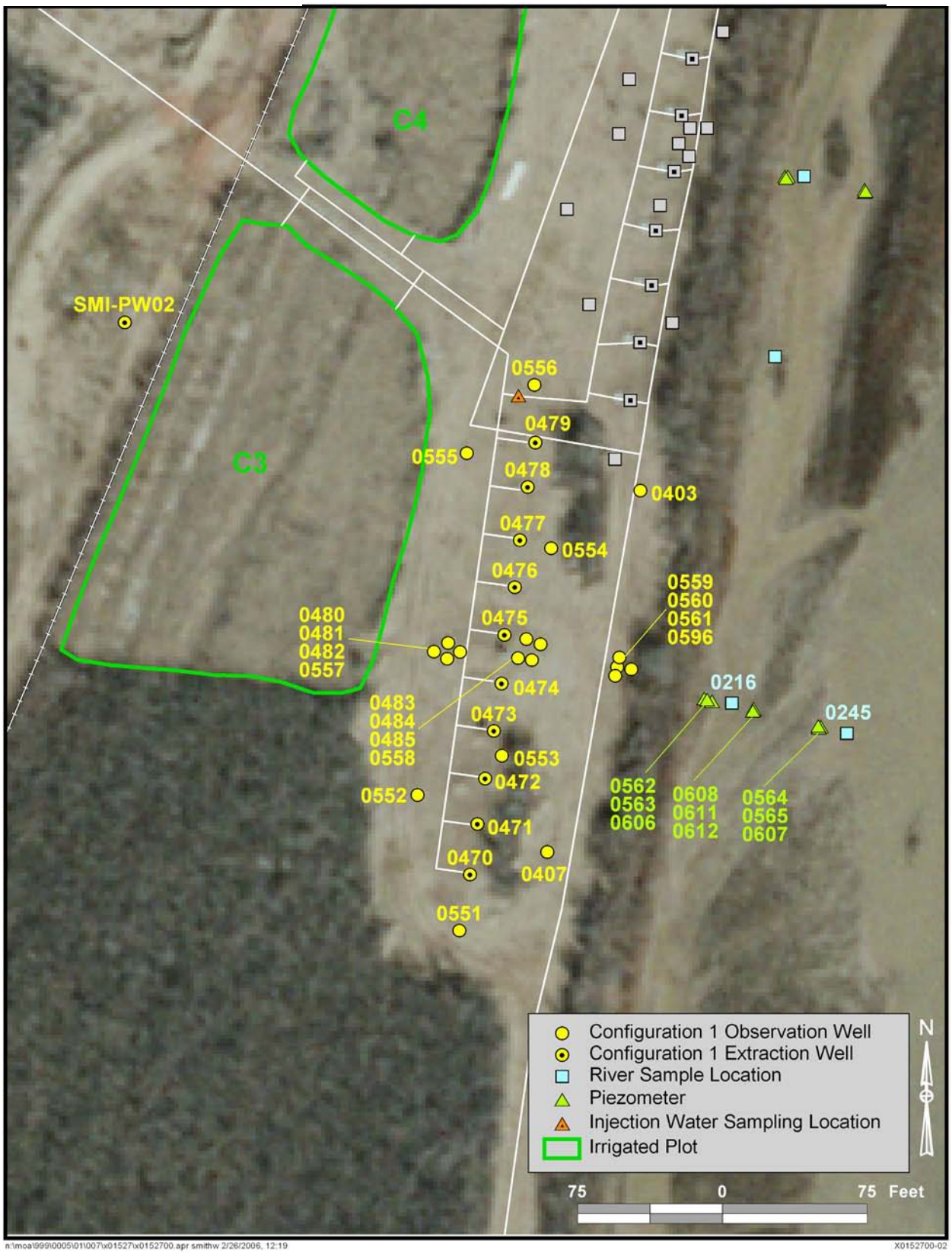



*Figure 3–1. Map View of Configuration 1 Wells and Sampling Locations*

Table 3–1 summarizes the construction of all wells and riverbed piezometers comprising Configuration 1. As this table indicates, extraction wells 470 through 479 are installed to depths of about 21 to 25 ft below ground surface (bgs). Wells 470 through 477 are screened over identical intervals of 10.3 to 19.7 ft bgs, and well 478 and 479 are screened over depths of about 9 to 24 ft bgs. Well PW02 is screened from 20 to 60 ft bgs, with the pump intake set at a depth of 55 ft bgs. In contrast to the extraction wells, the depths and screened intervals of Configuration 1 observation wells vary. As a consequence, information collected from the observation wells can be used to portray three-dimensional (3-D) responses of the alluvial aquifer and the Colorado River to ground water pumping.

A chronology of activities that occurred in the Configuration 1 area during 2005 is presented in Table 3–2. Flows in the river at the time of each activity are also listed.

## 3.3 Configuration 2

The Configuration 2 system (Figure 3–2) was installed just north of Configuration 1 in July 2004. Configuration 2 remediation wells, used for both pumping and fresh water injection, were placed closer to the river (about 50 ft from the steep bank marking the edge of the floodplain) with the intent of minimizing the time for injected freshwater to reach backwater areas of the Colorado River near its west bank. Spacing between the remediation wells was a uniform 30 ft.

In addition to being closer to the Colorado River, Configuration 2 remediation wells differ from those in Configuration 1 with regard to their construction and possible operation. Half of the ten Configuration 2 remediation wells are considered to be shallow, whereas the remaining five are classified as deep. All shallow wells are screened between depths of 15 and 30 ft bgs, which places them noticeably deeper than Configuration 1 extraction wells (mostly screened between 10 and 20 ft bgs). The deep well screens span depths of 25 to 40 ft bgs. The shallow and deep wells alternate with one another along the well field; even numbered wells are shallow, and odd-numbered wells are deep. A total of 13 observation wells and 9 riverbed piezometers are used to monitor alluvial aquifer and Colorado River responses to pumping in Configuration 2. Table 3–3 summarizes construction information for Configuration 2 wells and piezometers.

The deep remediation wells were added to this IA configuration for the purpose of assuring that river water injected into the alluvial aquifer would spread laterally toward the river over a wide vertical interval. It was believed that injection of uncontaminated water in both shallow and deep wells would cause a larger portion of backwaters in the river to experience more dilution of ammonia than would occur using shallow wells only (DOE 2004b). Greater mass removal of ammonia contamination during pumping was also surmised as being a possible benefit of using deep wells.

*Table 3–1. Summary of Well and Piezometer Construction in the Configuration 1 Area*

| Well | Well Type/Relative Depth | Diameter (inches) | Ground Surface Elevation (ft above msl) | Screen Interval (ft bgs) | Total Depth (ft bgs) |
|---|---|---|---|---|---|
| 0470 | Extraction | 4 | 3,966.56 | 10.3 - 19.7 | 21.3 |
| 0471 | Extraction | 4 | 3,966.59 | 10.3 - 19.7 | 21.3 |
| 0472 | Extraction | 4 | 3,966.62 | 10.3 - 19.7 | 21.3 |
| 0473 | Extraction | 4 | 3,966.67 | 10.3 - 19.7 | 21.3 |
| 0474 | Extraction | 4 | 3,967.02 | 10.3 - 19.7 | 21.3 |
| 0475 | Extraction | 4 | 3,967.13 | 10.3 - 19.7 | 21.3 |
| 0476 | Extraction | 4 | 3,967.38 | 10.3 - 19.7 | 21.3 |
| 0477 | Extraction | 4 | 3,967.30 | 10.3 - 19.7 | 21.3 |
| 0478 | Extraction | 4 | 3,966.82 | 9.6 - 23.9 | 25.5 |
| 0479 | Extraction | 4 | 3,966.60 | 9.3 - 23.6 | 25.2 |
| PW02 | Extraction | 4 | 3,965.60 | 20 - 60 | 60.3 |
| 0403 | Observation / Shallow | 1 | 3,966.90 | 13.3 - 18.2 | 18.4 |
| 0407 | Observation / Shallow | 1 | 3,967.20 | 13.3 - 18.3 | 18.5 |
| 0480 | Observation / Shallow | 4 | 3,966.94 | 15.5 - 19.8 | 20.3 |
| 0481 | Observation / Intermediate | 4 | 3,967.01 | 25.4 - 29.7 | 31.3 |
| 0482 | Observation / Deep | 4 | 3,967.03 | 55.4 - 59.7 | 61.3 |
| 0483 | Observation / Shallow | 4 | 3,967.00 | 15.5 - 19.8 | 20.3 |
| 0484 | Observation / Intermediate | 4 | 3,967.19 | 25.5 - 29.8 | 30.3 |
| 0485 | Observation / Deep | 4 | 3,966.99 | 55.6 - 59.9 | 60.4 |
| 0551 | Observation / Shallow | 1 | 3,966.65 | 10.3 - 20.3 | 20.6 |
| 0552 | Observation / Shallow | 1 | 3,966.33 | 10.2 - 20.2 | 20.4 |
| 0553 | Observation / Shallow | 1 | 3,966.87 | 10.6 - 20.5 | 20.8 |
| 0554 | Observation / Shallow | 1 | 3,967.63 | 10.4 - 20.4 | 20.6 |
| 0555 | Observation / Shallow | 1 | 3,967.32 | 10.2 - 20.1 | 20.4 |
| 0556 | Observation / Shallow | 1 | 3,966.69 | 10.2 - 20.1 | 20.4 |
| 0557 | Observation / Intermediate | 6 | 3,967.01 | 35.0 - 45.0 | 45.9 |
| 0558 | Observation / Intermediate | 6 | 3,966.85 | 35.0 - 45.0 | 45.1 |
| 0559 | Observation / Shallow | 1 | 3,967.84 | 10.5 - 20.5 | 20.7 |
| 0560 | Observation / Intermediate | 6 | 3,966.95 | 30.0 - 40.0 | 40.4 |
| 0561 | Observation / Deep | 6 | 3,966.46 | 45.2 - 55.2 | 55.3 |
| 0596 | Observation / Shallow | 1 | 3,968.76 | 15.3 - 25.3 | 25.5 |
| 0562 | Piezometer / Shallow | 1 | 3,953.09 | na | 1.8 |
| 0563 | Piezometer / Intermediate | 1 | 3,954.65 | na | 5.1 |
| 0606 | Piezometer / Deep | 1 | 3,953.79 | na | 9.8 |
| 0611 | Piezometer / Shallow | 1 | 3,953.57 | na | 2.7 |
| 0612 | Piezometer / Intermediate | 1 | 3,953.40 | na | 4.8 |
| 0608 | Piezometer / Deep | 1 | 3,953.55 | na | 9.4 |
| 0564 | Piezometer / Shallow | 1 | 3,953.09 | na | 1.7 |
| 0565 | Piezometer / Intermediate | 1 | 3,953.05 | na | 4.5 |
| 0607 | Piezometer / Deep | 1 | 3,952.99 | na | 10.1 |

na = not applicable

*Table 3–2. Chronology of Configuration 1 Activities in 2005*

| Date | Colorado River Flow (cfs) | Activity | Samples Collected |
|---|---|---|---|
| Dec 23, 04 | 2,480 | System shut down for winter | na |
| Jan 25, 26, and 27, 2005 | 3,000 to 3,120 | Completed baseline sampling for 2005 pumping season | The 10 CFI extraction wells (sampled from one depth, measured field params from other depths), 13 Obs wells (403, 407, 480-485, 557 (two depths), 588 (two depths), 559, 560 (two depths), and 561 (two depths), four pzs (562-565), two surface water locations (216 and 245). |
| Feb 15, 2005 | 3,360 | System restarted for 2005 pumping season (well field pumping rate set at ~10 gpm) | na |
| Feb 22, 23, and 24, 2005 | 3,690 to 3,700 | Completed monthly sampling | The 10 CFI extraction wells, six Obs wells (403, 407, 483, 557, 559, 560), four pzs (562-565), four surface water locations (216, 245, 537 [wick system], and 547 [evap pond inlet]). Recirc pump not running. |
| Feb 28, 2005 | 3,390 | Wells set to pump at maximum sustainable flow rate (well field pump rate ~25 gpm) | na |
| Mar 14, 15, and 16, 2005 | 3,790 to 4,000 | Completed monthly sampling | The 10 CFI extraction wells, six Obs wells (403, 407, 483, 557, 559, 560), four pzs (562-565), three surface water locations (216, 245, and 547 [evap pond inlet]). Recirc pump not running. |
| ~Apr 5, 2005 | na | Well PW02 added to system and started pumping | |
| Apr 27 and 28, 2005 | ~10,000 to 12,000 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), four Obs wells (483, 557, 559, 560), one surface water location (216), and two treatment system locations (547 and 548). (River flow too high to sample pzs.) |
| May 25, 2005 | 39,500 (runoff peak) | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), six Obs wells (403, 407, 483, 557, 559, 560), one surface water location (216), and two treatment system locations (547 and 548). (River flow too high to sample pzs.) |
| June 22, 2005 | 18,100 | Monitoring well 0596 installed | na |
| June 23 and 24, 2005 | 19,300 to 19,800 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), six Obs wells (403, 407, 483, 557, 559, 560), one surface water location (216), and two treatment system locations (547 and 548). (River flow too high to sample pzs.) |
| July 26 - 28, 2005 | 5,960 to 6,640 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), six Obs wells (403, 407, 483, 557, 559, 560), one surface water location (216), two pzs (562 and 563), and two treatment system locations (547 and 548). (River flow too high to sample pzs 564 and 565.) |
| Aug 23 - 26, 2005 | 3,400 to 3,570 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), six Obs wells (403, 407, 483, 557, 559, 560), two surface water locations (216 and 245), four pzs (562-565), and two treatment system locations (547 and 548). |
| Sept 20 – 21, 2005 | 3,460 to 3,730 | PZs 0606, 0607, 0608, 0611, and 0612 installed in riverbed | na |
| Sept 27 - 30, 2005 | 3,740 to 6,400 (Sept 28 heavy rainfall) | Completed monthly sampling | The 10 CFI extraction wells (470-479, [PW02 was shut down]), six Obs wells (403, 407, 483, 557, 559, 560), two surface water locations (216 and 245), four pzs (562-565), and two treatment system locations (547 and 548). |
| Oct 12 - 13, 2005 | 4,700 to 5,060 | Completed monthly sampling | The 10 CFI extraction wells (470-479, [PW02 was shut down]), five Obs wells (484, 557, 558, 560, and 596), two surface water locations (216 and 245), four pzs (562, 564, 608, and 612), and two treatment system locations (547 and 548). |
| Oct 25 - 28, 2005 | 4,220 to 4,290 | Biogeochemical sampling | Four Obs wells (403, 407, 483, and 559), and four pzs (563, 565, 606, and 607 [611 was dry]), and two treatment system locations (547 and 548). |
| Nov 8 - 11, 2005 | 3,800 to 3,940 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), three Obs wells (557, 560, and 596), five pzs (562, 564, 608, 611, and 612), and two treatment system locations (547 and 548). |
| Dec 5 - 8, 2005 | 2,650 to 3,720 | Completed monthly sampling | The 11 CFI extraction wells (470-479, and PW02), five Obs wells (484, 557, 558, 560, and 596), five pzs (562, 564, 608, 611, and 612), and two treatment system locations (547 and 548). |
| Dec 7, 2005 | 2,800 | System shut down for winter | na |

gpm = gallons per minute; cfs = cubic feet per second; na = not applicable

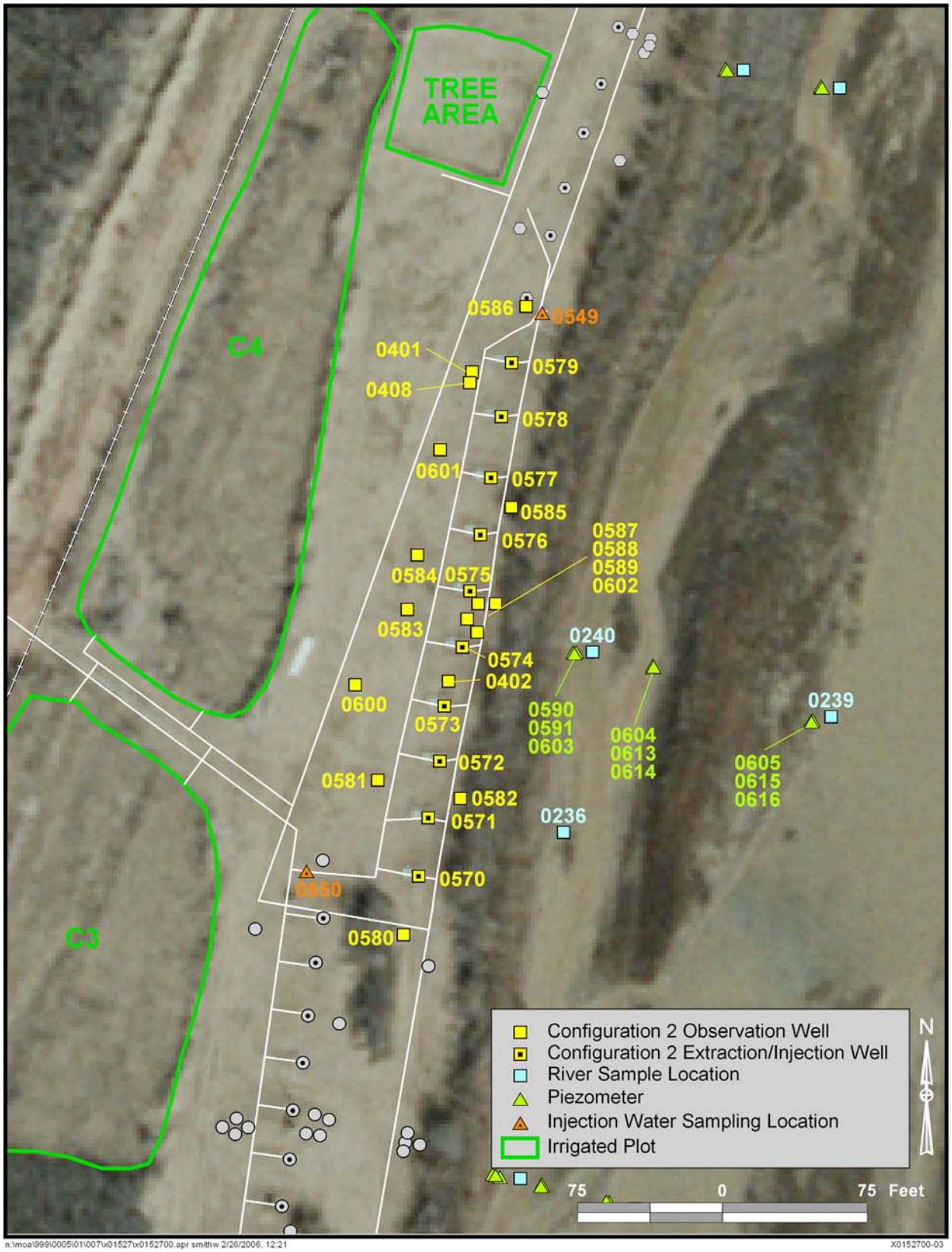



*Figure 3–2. Map View of Configuration 2 Wells and Sampling Locations*

*Table 3–3. Summary of Well and Piezometer Construction in the Configuration 2 Area*

| Well | Well Type/Relative Depth | Diameter (inches) | Ground Surface Elevation (ft above msl) | Screen Interval (ft bgs) | Total Depth (ft bgs) |
|---|---|---|---|---|---|
| 0570 | Remediation / Shallow | 6 | 3,967.52 | 15.0 - 30.0 | 31.3 |
| 0571 | Remediation / Deep | 6 | 3,967.01 | 25.0 - 40.0 | 41.3 |
| 0572 | Remediation / Shallow | 6 | 3,967.01 | 15.0 - 30.0 | 31.3 |
| 0573 | Remediation / Deep | 6 | 3,967.70 | 25.0 - 40.0 | 41.3 |
| 0574 | Remediation / Shallow | 6 | 3,967.30 | 15.0 - 30.0 | 31.3 |
| 0575 | Remediation / Deep | 6 | 3,967.30 | 25.0 - 40.0 | 41.3 |
| 0576 | Remediation / Shallow | 6 | 3,967.17 | 15.0 - 30.0 | 31.3 |
| 0577 | Remediation / Deep | 6 | 3,967.59 | 25.0 - 40.0 | 41.3 |
| 0578 | Remediation / Shallow | 6 | 3,967.80 | 15.0 - 30.0 | 31.3 |
| 0579 | Remediation / Deep | 6 | 3,967.21 | 25.0 - 40.0 | 41.3 |
| 0401 | Observation / Shallow | 1 | 3,967.70 | 13.0 - 17.9 | 18.9 |
| 0402 | Observation / Shallow | 1 | 3,967.70 | 13.4 - 18.3 | 18.5 |
| 0408 | Observation / Shallow | 1 | 3,967.80 | 23.0 - 27.9 | 28.0 |
| 0580 | Observation / Shallow | 1 | 3,967.52 | 10.2 - 20.2 | 20.4 |
| 0581 | Observation / Shallow | 1 | 3,967.01 | 10.3 - 20.3 | 20.5 |
| 0582 | Observation / Shallow | 1 | 3,967.67 | 9.8 - 19.7 | 20.0 |
| 0583 | Observation / Shallow | 1 | 3,967.53 | 8.9 - 18.8 | 19.1 |
| 0584 | Observation / Shallow | 1 | 3,967.17 | 10.3 - 20.2 | 20.5 |
| 0585 | Observation / Shallow | 1 | 3,967.59 | 10.4 - 20.3 | 20.6 |
| 0586 | Observation / Shallow | 1 | 3,967.21 | 10.0 - 19.9 | 20.2 |
| 0587 | Observation / Shallow | 1 | 3,967.30 | 10.0 - 19.6 | 20.2 |
| 0588 | Observation / Intermediate | 6 | 3,967.22 | 24.8 - 34.8 | 35.0 |
| 0589 | Observation / Deep | 6 | 3,966.98 | 42.7 - 52.7 | 53.0 |
| 0600 | Observation / Shallow | 1 | 3,966.88 | 19.5 – 29.5 | 29.7 |
| 0601 | Observation / Shallow | 1 | 3,967.09 | 19.5 – 29.5 | 29.7 |
| 0602 | Observation / Shallow | 1 | 3,967.57 | 9.5 – 19.5 | 19.7 |
| 0590 | Piezometer / Shallow | 1 | 3,953.20 | na | 1.5 |
| 0591 | Piezometer / Intermediate | 1 | 3,952.89 | na | 4.4 |
| 0603 | Piezometer / Deep | 1 | 3,953.05 | na | 9.7 |
| 0613 | Piezometer / Shallow | 1 | 3,953.81 | na | 1.7 |
| 0614 | Piezometer / Intermediate | 1 | 3,953.82 | na | 5.6 |
| 0604 | Piezometer / Deep | 1 | 3,953.76 | na | 7.8 |
| 0615 | Piezometer / Shallow | 1 | 3,953.96 | na | 1.9 |
| 0616 | Piezometer / Intermediate | 1 | 3,954.04 | na | 5.8 |
| 0605 | Piezometer / Deep | 1 | 3,954.05 | na | 9.9 |

na = not applicable

A chronology of activities that occurred in the Configuration 2 area during 2005 is presented in Table 3–4.

*Table 3–4. Chronology of Configuration 2 Activities in 2005*

| Date | Colorado River Flow (cfs) | Activity | Samples Collected |
|---|---|---|---|
| Oct 6, 2004 13:00 | 4,840 | Started injection test | Injection water sample (location 549) collected at beginning of test |
| Oct 14-15, 2004 | 3,360 to 3,470 | Injection test midpoint sampling (monthly) | Shallow observation wells 401, 402, 580, 582, 583, and 585−587 submitted for analysis, measured field parameters in all other shallow obs wells, injection water sample (549) collected. Also sampled SW location 236 (split analyzed by ESL). |
| Oct 19, 2004 | 3,610 | Injection test midpoint sampling, cont. | Piezometers 590, 591, and 593 (592 was dry). Also sampled SW location 236. |
| Nov 2-3, 2004 | 3,620 to 3,720 | Injection test monthly sampling | Observation wells 401, 402, and 580-589, piezometers 590-593, SW locations 236 and 240, and 549 (injection water sample) collected. |
| Dec 15, 16, and 17, 2004 | 2,780 to 2,850 | Injection test monthly sampling | Eight observation wells (402, 408, 580-584, and 589), four piezometers (590-593), two surface waters (236 and 240), and inj water (549). Also measured field params from five obs wells (401, 585, 586, 587, and 588) |
| Jan 26 and 28, 2005 | 3,000 to 3,290 | Injection test monthly sampling | Seven observation wells (408, 580, 582, 583, 584, 587, and 589, four piezometers (590-593), one surface water (236), and inj water (549). Also measured field params from six obs wells (401, 402, 581, 585, 586, and 588) |
| Feb 22, 24, and 25, 2005 | 3,580 to 3,700 | Injection test monthly sampling | Ten observation wells (408, 580, 581, 582, 583, 584, 587, 588 [34 ft bgs] and 589 [44 and 52 ft bgs]), four piezometers (590-593), one surface water (236), and inj water (549). Also measured field params from five obs wells (401, 402, 585, 586, and 588 [26 ft bgs]) |
| Mar 14, 15, and 16, 2005 | 3,790 to 4,000 | Injection test monthly sampling | Six observation wells (408, 580, 581, 584, 588 [34 ft bgs] and 589 [44 ft bgs]), 4 piezometers (590-593), one surface water (236), and inj water (549). Also measured field params from nine obs wells (401, 402, 582, 583, 585, 586, 587, 588 [26 ft bgs], and 589 [52 ft bgs]) |
| Apr 26 and 27, 2005 | ~10,000 to 12,000 | Injection test monthly sampling | Nine observation wells (580, 581, 582, 583, 586, 587, 588 [34 ft bgs] and 589 [44 ft bgs]), and three inj water locations (550, 572, and 577). Also measured field params from three obs wells (584, 588 [26 ft bgs], and 589 [52 ft bgs]). (River stage too high to sample pzs and sw location 236) |
| May 24 – 26, 2005 | 38,300 to 39,500 (runoff peak) | Injection test monthly sampling | Eleven observation wells (401, 402, 408, 580, 581, 582, 583, 584, 586, 588 [34 ft bgs] and 589 [44 ft bgs]), two Baseline Area locations (488 and 493), and one injection water location (550). Also measured field params from four obs wells (585, 587, 588 [26 ft bgs], and 589 [52 ft bgs]). (River stage too high to sample pzs and sw location 236.) |
| June 20-23, 2005 | 18,100 to 19,000 | Observation wells 0600, 0601, and 0602 installed and developed | na |
| June 22 – 24, 2005 | 19,300 to 19,800 | Injection test monthly sampling | Twelve observation wells (401, 402, 408, 580, 581, 582, 583, 584, 585, 586, 588 [34 ft bgs] and 589 [44 ft bgs]), and one injection water location (550). Also measured field params from three obs wells (587, 588 [26 ft bgs], and 589 [52 ft bgs]). (River stage too high to sample pzs and sw location 236.) |

| Date | Colorado River Flow (cfs) | Activity | Samples Collected |
|---|---|---|---|
| July 26 - 28, 2005 | 5,960 to 6,640 | Injection test monthly sampling | Eleven observation wells (402, 408, 580, 582, 583, 584, 585, 586, 587, 588 [34 ft bgs] and 589 [44 ft bgs]), one pz (590), and one injection water location (550). Also measured field params from four obs wells (401, 581, 588 [26 ft bgs], and 589 [52 ft bgs]). (River stage too high to sample pzs 591–593 and sw location 236.) |
| Aug 23 - 26, 2005 | 3,400 to 3,570 | Injection test monthly sampling | Ten observation wells (401, 402, 408, 580, 583, 585, 586, 587, 588 [34 ft bgs] and 589 [44 ft bgs]), two pzs (590 and 591), one surface water (236) and one injection water location (550). Also measured field params from five obs wells (581, 582, 584, 588 [26 ft bgs], and 589 [52 ft bgs]). (pz 593 buried) |
| Sept 20 – 21, 2005 | 3,460 to 3,730 | Piezometers 0603, 0613 (replaces 0592, which was altered during runoff), 0614 (replaces 0593, which was buried during the runoff), 0604, 0615, 0616, and 0605 installed | na |
| Sept 27 - 29, 2005 | 3,740 to 6,400 | Injection test monthly sampling | Ten observation wells (401, 408, 580, 581, 582, 583, 584, 586, 588 [34 ft bgs] and 589 [44 ft bgs]), two pzs (590 and 591), two surface waters (236 and 240). Injection line down, 550 not sampled. Also measured field params from five obs wells (402, 585, 587, 588 [26 ft bgs], and 589 [52 ft bgs]). |
| Oct 18 - 21, 2005 | 4,200 to 4,870 | Injection test monthly sampling | Fifteen observation wells (401, 402, 408, 580 through 587, 588 [34 ft bgs], 589 [44 ft bgs], 600, and 601), five pzs (590, 605, 613, 615, 616), three surface waters (236, 239, 240) and one injection water location (550). First time 600, 601, 605, 613, 615, 616 sampled. |
| Oct 25 – 28, 2005 | 4,220 to 4,290 | Biogeochemical sampling | Three observation wells (588 [26 ft bgs], 589 [44 ft bgs], 602 [18 ft bgs], four pzs (591, 603, 604, and 614). First time 602 sampled. |
| Nov 8 - 10, 2005 | 3,800 to 3,940 | Injection test monthly sampling | Fifteen observation wells (401, 402, 408, 580 through 587, 588 [30 ft bgs], 589 [48 ft bgs], 600, and 601), five pzs (590, 605, 613, 615, 616), and one injection water location (550). |
| Nov 28 –29, 2005 | 3,560 to 3,590 | Biogeochemical sampling | Three observation wells (588 [26 ft bgs], 589 [44 ft bgs], and 602 [18 ft bgs]), four pzs (591, 603, 604, and 614). |
| Dec 6 - 9, 2005 | 2,630 to 3,240 | Injection test monthly sampling | Fifteen observation wells (401, 402, 408, 580 through 589, 600, and 601), five pzs (590, 605, 613, 615, 616), and one injection water location (550). |
| Dec 12 - 16, 2005 | 2,660 to 2,900 | Biogeochemical sampling | Three observation wells (588 [26 ft bgs], 589 [44 ft bgs], and 602 [18 ft bgs]), four pzs (591, 603, 604, and 614). |

gpm = gallons per minute; cfs = cubic feet per second; na = not applicable

## 3.4 Configuration 3

Configuration 3 remediation wells were installed just north of Configuration 2 in June 2005. As with Configuration 2, these ten wells were designed to be dual-purpose in that they could be used for both ground water extraction and freshwater injection. The remediation wells are spaced 30 ft apart from one another and are located approximately 50 ft from the steep bank that marks the west edge of the floodplain (Figure 3–3).

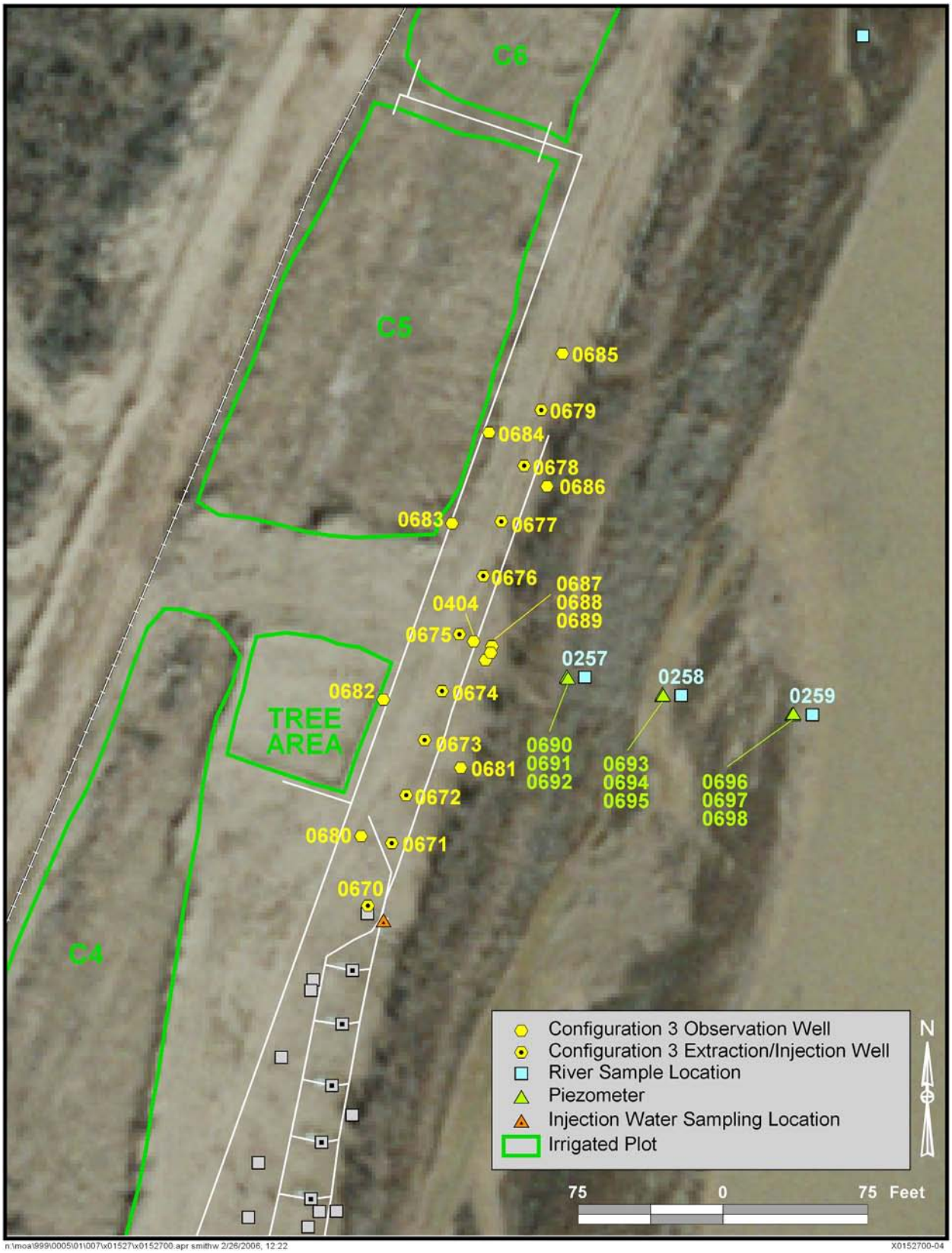



*Figure 3–3. Map View of Configuration 3 Wells and Sampling Locations*

Each of the Configuration 3 remediation wells is screened between depths of 15 and 45 ft bgs. A total of 11 observation wells and nine riverbed piezometers (Figure 3–3) are used to monitor alluvial aquifer and Colorado River responses to pumping or water injection at the remediation wells. Table 3–5 summarizes construction information for Configuration 3 wells and piezometers.

*Table 3–5. Summary of Well and Piezometer Construction in the Configuration 3 Area*

| Well | Well Type/Relative Depth | Diameter (inches) | Ground Surface Elevation (ft above msl) | Screen Interval (ft bgs) | Total Depth (ft bgs) |
|---|---|---|---|---|---|
| 0670 | Remediation / Deep | 6 | 3,967.05 | 15.9 – 45.9 | 46.3 |
| 0671 | Remediation / Deep | 6 | 3,967.31 | 14.4 – 44.4 | 44.8 |
| 0672 | Remediation / Deep | 6 | 3,967.27 | 15.0 – 45.0 | 45.4 |
| 0673 | Remediation / Deep | 6 | 3,967.19 | 16.3 – 46.3 | 46.7 |
| 0674 | Remediation / Deep | 6 | 3,967.11 | 15.1 – 45.1 | 45.5 |
| 0675 | Remediation / Deep | 6 | 3,966.99 | 16.0 – 46.0 | 46.4 |
| 0676 | Remediation / Deep | 6 | 3,967.27 | 15.9 – 45.9 | 46.3 |
| 0677 | Remediation / Deep | 6 | 3,967.17 | 15.2 – 45.2 | 45.6 |
| 0678 | Remediation / Deep | 6 | 3,967.11 | 16.3 – 46.3 | 46.6 |
| 0679 | Remediation / Deep | 6 | 3,967.03 | 15.0 - 45.0 | 45.4 |
| 0404 | Observation / Shallow | 1 | 3,967.70 | 13.0 - 17.9 | 18.9 |
| 0680 | Observation / Shallow | 1 | 3,967.75 | 9.9 – 19.8 | 20.0 |
| 0681 | Observation / Shallow | 1 | 3,967.65 | 10.2 - 20.2 | 20.4 |
| 0682 | Observation / Shallow | 1 | 3,968.25 | 19.6 – 29.5 | 29.7 |
| 0683 | Observation / Shallow | 1 | 3,968.76 | 21.2 – 31.2 | 31.4 |
| 0684 | Observation / Shallow | 1 | 3,968.48 | 11.3 – 21.3 | 21.5 |
| 0685 | Observation / Shallow | 1 | 3,967.11 | 20.0 – 30.0 | 30.2 |
| 0686 | Observation / Shallow | 1 | 3,967.08 | 10.0 – 20.0 | 20.2 |
| 0687 | Observation / Shallow | 1 | 3,966.74 | 20.0 – 30.0 | 30.2 |
| 0688 | Observation / Intermediate | 6 | 3,966.57 | 30.6 – 40.6 | 41.0 |
| 0689 | Observation / Deep | 6 | 3,966.62 | 46.0 – 56.0 | 56.4 |
| 0690 | Piezometer / Shallow | 1 | 3,957.29 | na | 3.3 |
| 0691 | Piezometer / Intermediate | 1 | 3,957.28 | na | 4.9 |
| 0692 | Piezometer / Deep | 1 | 3,957.24 | na | 9.6 |
| 0693 | Piezometer / Shallow | 1 | 3,954.11 | na | 2.0 |
| 0694 | Piezometer / Intermediate | 1 | 3,954.04 | na | 4.3 |
| 0695 | Piezometer / Deep | 1 | 3,954.10 | na | 9.8 |
| 0696 | Piezometer / Shallow | 1 | 3,953.95 | na | 1.8 |
| 0697 | Piezometer / Intermediate | 1 | 3,953.87 | na | 4.8 |
| 0698 | Piezometer / Deep | 1 | 3,953.75 | na | 9.8 |

na = not applicable

Borehole and well logs for Configuration 3 wells, provided in Appendix A, show that alluvial aquifer materials in the area are similar to those observed in the vicinities of Configurations 1 and 2. Very permeable gravelly sands and sandy gravels dominate the alluvium below a depth of 15 ft bgs.

A chronology of activities that occurred in the Configuration 3 area during 2005 is presented in Table 3–6.

*Table 3–6. Chronology of Configuration 3 Activities in 2005*

| Date | Colorado River Flow (cfs) | Activity | Samples Collected |
|---|---|---|---|
| June 21 – 29, 2005 | 15,100 to 19,800 | Installed extraction wells 670 – 679, observation wells 688 and 689 | na |
| July 6 – 14, 2005 | 6,050 to 10,500 | Developed extraction wells 670 – 679, observation wells 688 and 689 | na |
| Aug 2 and 3, 2005 | 3,860 to 4,120 | Obs wells 684 and 685 installed | na |
| Aug 9 and 10, 2005 | 3,970 to 4,330 | Obs wells 682 and 683 installed | na |
| Aug 9 and 10, 2005 | 3,970 to 4,330 | Baseline profile sampling | Extraction wells 670-679 (16, 30, and 44 ft bgs), observation wells 688 (31 and 39 ft bgs) and 689 (46 and 54 ft bgs) |
| Aug 11 and 12, 2005 | 4,290 to 4,750 | Preliminary Step Drawdown Tests | Tests completed on well 670, 673, 675, 677, and 679 |
| Aug 16 and 17, 2005 | 4,070 to 4,420 | Obs wells 680, 681, 686 and 687 installed | na |
| Aug 18, 2005 | 4,280 | Well field started @ 13:00, at a total pumping rate of 118 gpm for 1 hr, then reduced to 54 gpm until the afternoon of 8/19/05, shut down at that point | na |
| Aug 22, 2005 | 3,590 | System re-started at ~54 gpm | na |
| Aug 23, 2005 | 3,570 | Started 100 gpm test at 1600 for all well fields (CF3 running at ~72 gpm) | na |
| Aug 26, 2005 | 3,540 | CF3 well field shut down @ 0700, end of 100 gpm test | na |
| Aug 29, 2005 | 3,590 | Started well field @ ~65 gpm | na |
| Sept 29-30, 2005 | 6,210 to 6,400 | Monthly sampling | Ten extraction wells (670-679), nine observation wells (404 and 680-687). |
| Oct 17, 2005 | 4,280 | Reduced well field flow rate to ~22 gpm | na |
| Oct 18-21, 2005 | 4,200 to 4,870 | Monthly sampling | Ten extraction wells (670-679), two observation wells (688 and 689), four pzs (639, 696, 697, and 698), and one surface water (259). |
| Oct 25 – 28, 2005 | 4,220 to 4,290 | Biogeochemical sampling | Two observation wells (686 and 687) and four pzs (691, 692, 694, and 695) |
| Nov 8-11, 2005 | 3,800 to 3,940 | Monthly sampling | Ten extraction wells (670-679 two observation wells (688 and 689), and four pzs (639, 696, 697, and 698). |
| Dec 6-8, 2005 | 2,650 to 3,240 | Monthly sampling | Ten extraction wells (670-679), two observation wells (688 and 689), and four pzs (639, 696, 697, and 698). |
| Dec 7, 2005 | 2,800 | System shut down for the winter | na |
| Dec 12 – 16, 2005 | 2,660 to 2,900 | Biogeochemical sampling | Two observation wells (686 and 687) and four pzs (691, 692, 694, and 695) |

gpm = gallons per minute; cfs = cubic feet per second; na = not applicable

## 3.5 Baseline Area

The Baseline Area (Figure 3–4) is located upstream of Configurations 1 and 2, just south of the confluence of Moab Wash and the Colorado River. This area is used to portray hydraulic and water chemistry conditions in the alluvial aquifer that are unaffected by ground water pumping or injection. The types of aquifer materials encountered in the Baseline Area are generally the same as those observed in the vicinities of the IA configurations. Observed phenomena in the

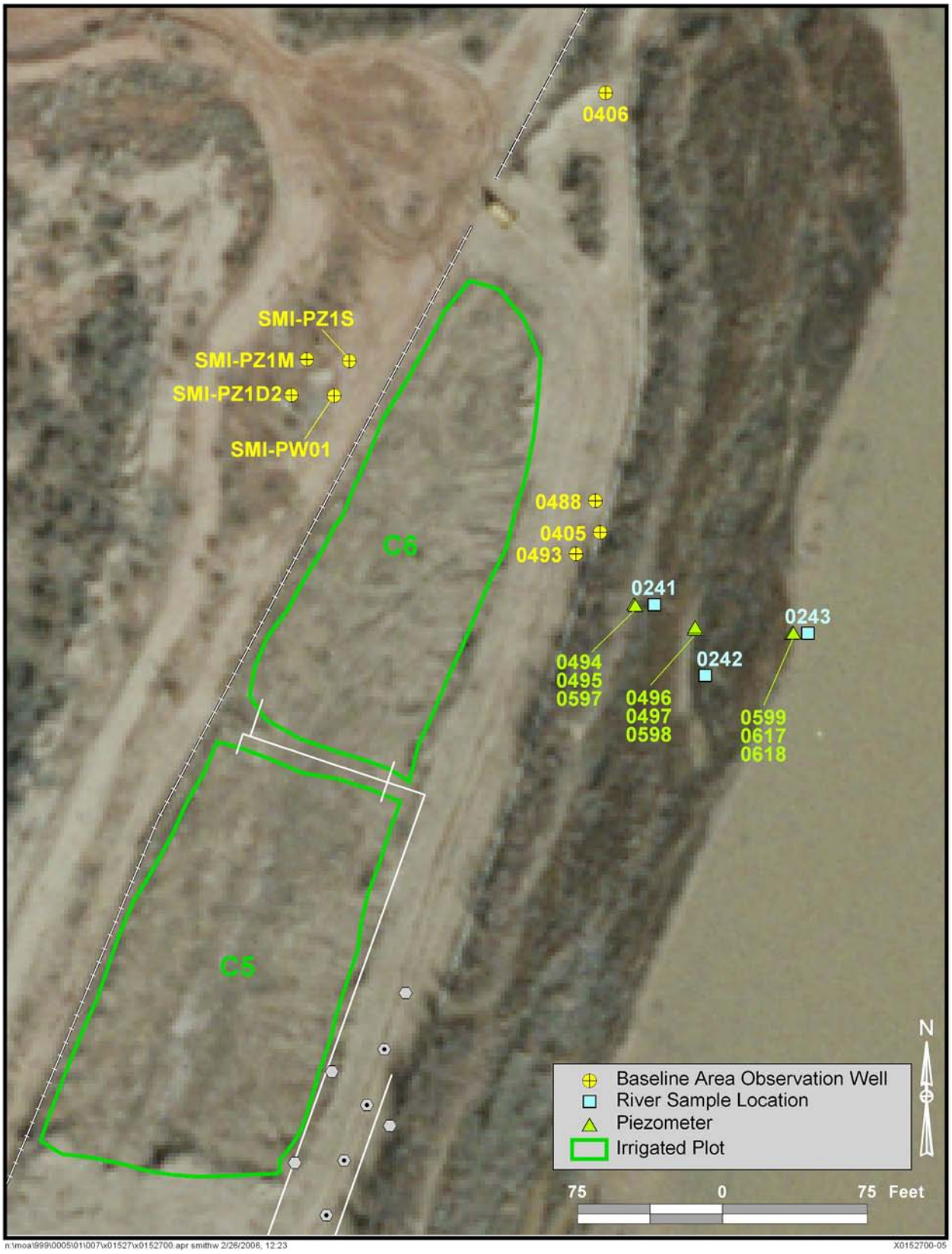



*Figure 3–4. Map View of Baseline Area Wells and Sampling Locations*

Baseline Area such as ground water level variations in response to changing river flows, concomitant changes in brine surface elevation, and hyporheic zone processes are useful for comparison with equivalent phenomena in the IA areas.

A summary of the construction of observation wells and piezometers installed in the Baseline Area is presented in Table 3–7. A chronology of activities that occurred in the Baseline Area during 2005 is presented in Table 3–8.

*Table 3–7. Summary of Well and Piezometer Construction in the Baseline Area*

| Well | Well Type/Relative Depth | Diameter (inches) | Ground Surface Elevation (ft above msl) | Screen Interval (ft bgs) | Total Depth (ft bgs) |
|---|---|---|---|---|---|
| 0405 | Observation / Shallow | 1 | 3,966.40 | 15.1 - 20.0 | 20.3 |
| 0406 | Observation / Shallow | 1 | 3,967.90 | 13.1 – 18.0 | 18.3 |
| 0488 | Observation / Intermediate | 6 | 3,966.82 | 25.0 - 40.0 | 40.3 |
| 0493 | Observation / Deep | 6 | 3,966.08 | 45.0 - 55.0 | 55.3 |
| PW01 | Observation / Deep | 4 | 3,966.40 | 20.1 – 60.1 | 60.2 |
| PZ1S | Observation / Shallow | 2 | 3,966.70 | 13.9 – 18.9 | 19.1 |
| PZ1M | Observation / Intermediate | 2 | 3,966.30 | 55.5 – 60.5 | 60.8 |
| PZ1D2 | Observation / Deep | 2 | 3,966.40 | 69.8 – 74.8 | 75.0 |
| 0494 | Piezometer / Shallow | 1 | 3,957.17 | na | 2.9 |
| 0495 | Piezometer / Intermediate | 1 | 3,957.41 | na | 5.1 |
| 0597 | Piezometer / Deep | 1 | 3,957.14 | na | 9.8 |
| 0496 | Piezometer / Shallow | 1 | 3,955.18 | na | 2.7 |
| 0497 | Piezometer / Intermediate | 1 | 3,954.96 | na | 4.8 |
| 0598 | Piezometer / Deep | 1 | 3,954.98 | na | 9.6 |
| 0617 | Piezometer / Shallow | 1 | 3,953.83 | na | 2.2 |
| 0618 | Piezometer / Intermediate | 1 | 3,953.75 | na | 5.8 |
| 0599 | Piezometer / Deep | 1 | 3,953.78 | na | 9.9 |

na = not applicable

*Table 3–8. Chronology of Baseline Area Activities in 2005*

| Date | Colorado River Flow (cfs) | Activity | Samples Collected |
|---|---|---|---|
| May 24 – 26, 2005 | 38,300 to 39,500 (runoff peak) | Well sampling | Wells 488 (33 ft bgs) and 493 (46 and 54 ft bgs). Field params were measured from 405 (18 ft bgs), and 488 (26 and 39 ft bgs). River stage too high to sample pzs |
| Sept 20 – 21, 2005 | 3,460 to 3,730 | PZs 0597, 0598, 0599, 0617, and 0618 installed in riverbed | na |
| Oct 11 to 13, 2005 | 4,700 to 5,260 | Monthly sampling | Six observation wells (488, 493, PW01, PZ1S, PZ1M, and PZ1D2), six pzs (496, 497, 598, 599, 617, and 618), and one surface water sample (243). |
| Oct 25-28, 2005 | 4,220 to 4,290 | Biogeochemical sampling | Two observation wells (405 and 488 [26 ft bgs]) and two pzs (495 and 597). |
| Nov 8-10, 2005 | 3,880 to 3,940 | Monthly sampling | Six observation wells (488, 493, PW01, PZ1S, PZ1M, and PZ1D2) and six pzs (496, 497, 598, 599, 617, and 618). |
| Dec 6-8, 2005 | 2,650 to 3,240 | Monthly sampling | Six observation wells (488, 493, PW01, PZ1S, PZ1M, and PZ1D2), six pzs (496, 497, 598, 599, 617, and 618), and one surface water location (243). |
| Dec 12-16, 2005 | 2,660 to 2,900 | Biogeochemical sampling | Two observation wells (405 and 488 [26 ft bgs]) and two pzs (495 and 597). |

gpm = gallons per minute; cfs = cubic feet per second; na = not applicable

## 3.6 Operation and Testing Activities in 2005

During most of 2005, Configuration 1 was operated as a ground water extraction system and freshwater was injected at Configuration 2. To better monitor these systems, additional observation wells and riverbed piezometers were installed. Most testing activities during the year were associated with Configuration 3 after it was installed in the summer. The following sections describe the initial sampling of Configuration 3 wells in early August 2005 and the results of subsequent step-drawdown testing of some of the remediation wells.

### 3.6.1 Initial Ground Water Sampling at Configuration 3

Ground water samples were collected from various depths in a few Configuration 3 observation wells and the remediation wells during early August 2005. At this time, the Colorado was flowing at rates near 4,000 to 5,000 cubic feet per second (cfs), well below the very high discharge rates that had been observed during the previous May and June.

The TDS concentrations measured in Configuration 3 wells in August 2005 (Figure 3–5) ranged from 3,900 (well 670 at 16 ft bgs) to 25,000 milligram per liter (mg/L) (wells 676 and 678 at 44 ft bgs). As expected, TDS levels typically increased with depth in the aquifer, but the brine surface, defined by a TDS concentration of 35,000 mg/L, was not encountered. This meant that, under non-pumping conditions, the brine surface here was located deeper than 44 ft bgs. This result contrasted with observations made to the south in the Configuration 2 area, where previous studies placed the ambient brine surface at depths of about 25 to 40 ft bgs. Several possible explanations for the apparently greater depth to brine in the Configuration 3 area were examined, including the effects of freshwater injection in Configuration 2 and the recharge of applied irrigation water in vegetation test plots (C4, C5, and the Tree Area) located west of Configuration 3 (Figure 3–3). As discussed in Section 4.2.1, it was ultimately determined that the

distance lying between the east edge of the floodplain and the westernmost extent of surface water in the river that provided the best explanation.

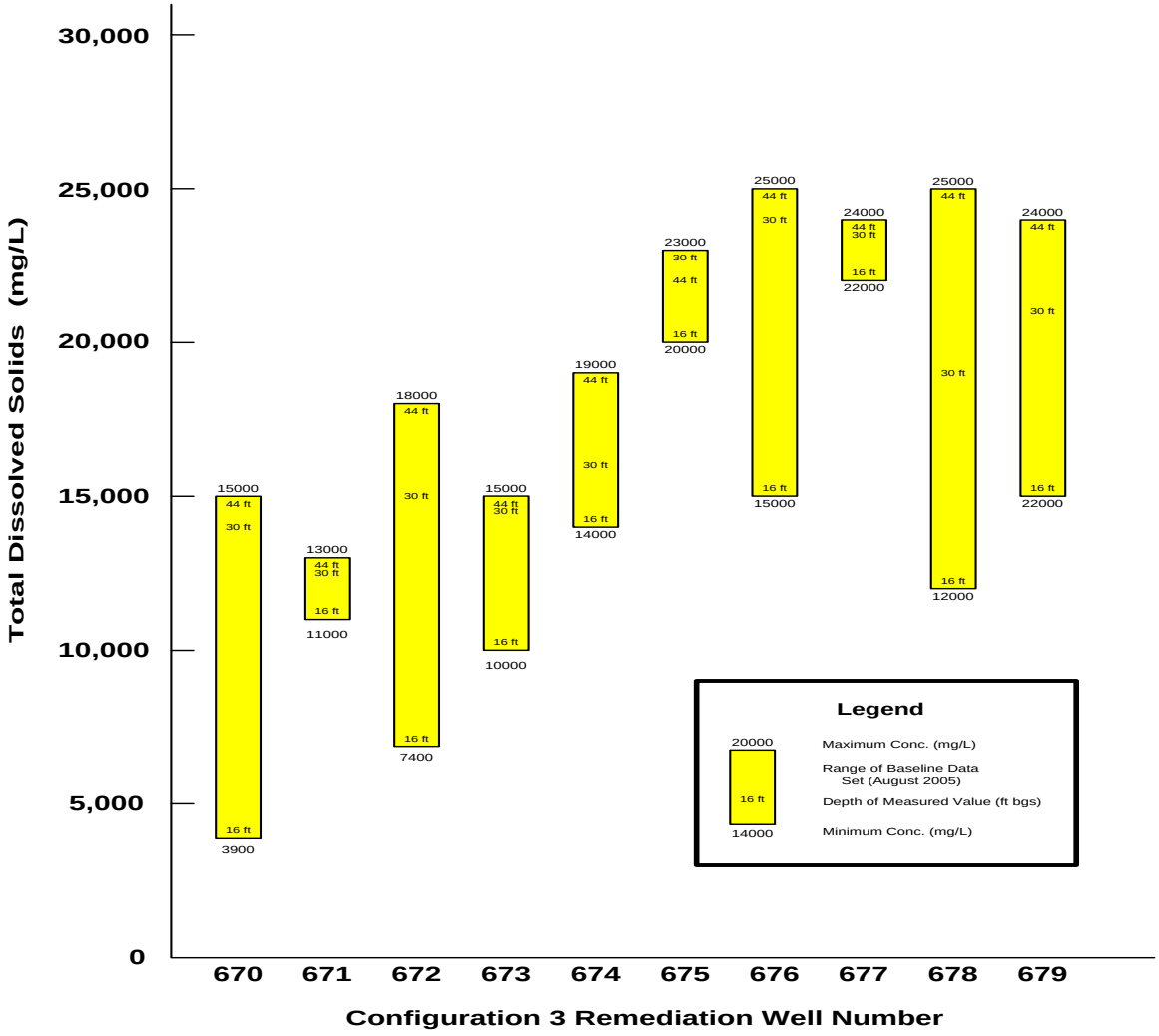



*Figure 3–5. TDS Concentrations from Configuration 3 Profile Sampling, August 2005*

Though recharge of irrigation water applied to upgradient vegetation test plots had little, if any, effect on brine surface elevation, the potential influence of the recharge was visually observed in samples collected from Configuration 3 wells in August 2005. In particular, brown staining of many samples from the remediation wells (Figure 3–6) appeared to be caused by the recharge. Most of the staining was observed in samples collected just below the top of each well's screened interval (16 ft bgs), and the discoloration generally became less prevalent with greater sampling depth. The most likely cause of the brown discoloration was the precipitation of dissolved iron in response to influx of the oxygenated water comprising the recharge. As discussed in Section 4.5, this water was expected to have to some influence on the chemistry of shallow ground water, but the degree of influence could not be ascertained from visual inspection of samples.

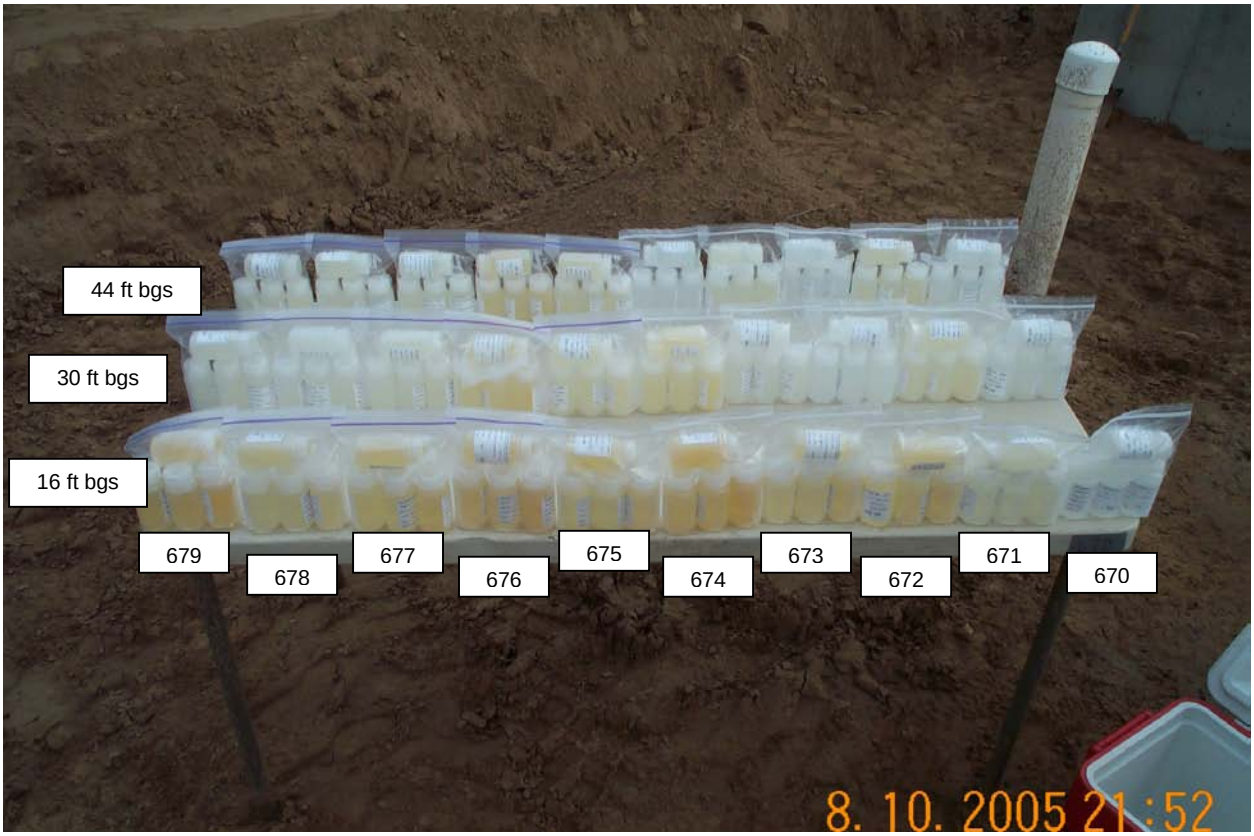



*Figure 3–6. Photograph of Configuration 3 Profile Samples, August 2005*

The lowest uranium concentration measured in Configuration 3 wells during the initial sampling event in August 2005 was observed at remediation well 670 (0.42 mg/L at 16 ft bgs) and the highest concentration (5.3 mg/L) was detected in a sample collected from well 675 at a depth of 30 ft bgs. Uranium concentrations in remediation wells comprising the southern half of the remediation system fell in the range of 2.2 to 2.9 mg/L. Configuration 3 remediation wells northern half had uranium concentrations that ranged from 3.2 to 4.6 mg/L. No distinct trends in uranium concentration with depth were observed in the Configuration 3 wells.

The lowest ammonia (as nitrogen) concentration during the initial sampling event was 19 mg/L (wells 674 and 678 at 16 ft bgs) and the highest ammonia concentration was 980 mg/L (well 674 at 44 ft bgs). These concentrations reflected the tendency for ammonia concentrations to increase with depth below the top of the saturated zone. On the whole, ammonia concentrations in the Configuration 3 area were significantly smaller than those observed in the vicinity of Configuration 2, where ammonia concentrations of 1,000 to 2,000 mg/L under non-pumping conditions and at depths of 20 to 30 ft bgs are common. This difference appeared to be related to the greater depth to brine surface in the Configuration 3 area, since the largest ammonia concentrations in site ground water tend to be observed at and immediately below the brine surface (DOE 2005b, 2005d).

### 3.6.2 Step-Drawdown Test

The Configuration 3 remediation wells were hydraulically developed in July 2005 using surge and bail techniques, as recommended in Appendix B of the *Operations, Maintenance, and Performance Monitoring Plan for the Interim Action Ground Water Treatment System, Moab Utah* (DOE 2005a). After initial sampling of Configuration 3 wells in early August, step-drawdown aquifer tests were conducted at some of the remediation wells. These tests made it possible to develop estimates of aquifer hydraulic conductivity and provided some information regarding well efficiency.

Testing was performed on wells 670, 673, 675, 677, and 679. During each of the tests, the pump intake was set at a depth of approximately 40 ft bgs. Wells 670 and 675 were subjected to two different pumping rates, three discharge steps were applied to the remaining wells. The pumping rates and drawdowns monitored during each step were used to assess the degree to which each well's specific capacity (Domenico and Schwartz 1990) decreased with increased pumping rate (Table 3–9).

*Table 3–9. Pumping Rates, Drawdowns, and Calculated Specific Capacities During Hydraulic Testing of Configuration 3 Extraction Wells, August 2005*

| Well | 1st Step | | | 2nd Step | | | 3rd Step | | |
|---|---|---|---|---|---|---|---|---|---|
| | Q (gpm) | s (ft) | Specific Capacity (gpm/ft) | Q (gpm) | s (ft) | Specific Capacity (gpm/ft) | Q (gpm) | s (ft) | Specific Capacity (gpm/ft) |
| 670 | | | | 10 | 0.4 | 25.0 | 25 | 1.4 | 17.6 |
| 673 | 5 | 0.6 | 8.3 | 15 | 2.0 | 7.5 | 25 | 3.4 | 7.4 |
| 675 | | | | 10 | 1.0 | 10.0 | 20 | 2.5 | 8.0 |
| 677 | 5 | 0.5 | 10.0 | 10 | 0.6 | 15.9 | 20 | 1.5 | 13.0 |
| 679 | 5 | 0.3 | 16.7 | 10 | 1.4 | 6.9 | 20 | 1.6 | 12.6 |
| **Average =** | | | **11.7** | **Average =** | | **13.1** | **Average =** | | **11.7** |

Q = pumping rate; s = drawdown; gpm = gallons per minute; ft = feet; gpm/ft = gallons per minute per foot.

### 3.6.3 Hydraulic Conductivity Estimates

The specific capacities listed in Table 3–9 for the five Configuration 3 wells tested during August 2005 can be translated into hydraulic conductivities by first estimating the transmissivity of the tested portion of an aquifer (Heath 1989).

$$T \approx 300 \frac{Q}{s} \quad (1)$$

where $T$ = transmissivity ($ft^2$/day),
$Q/s$ = specific capacity (gpm/ft),
$Q$ = pumping rate (gpm), and
$s$ = drawdown (ft).

Hydraulic conductivity is in turn estimated with

$$K = \frac{T}{b} \tag{2}$$

where $K$ = aquifer hydraulic conductivity (ft/day), and
$b$ = the thickness of the tested portion of the aquifer (ft).

Assuming that the screen length of each of tested well (30 ft) represented the tested portion of the aquifer, application of equations (1) and (2) to the average specific capacities listed in Table 3–9 for each step resulted in estimated hydraulic conductivities of about 117, 131, and 117 ft/day. These values are similar to hydraulic conductivities calculated for Configuration 1 step-drawdown tests on Configuration 1 wells (92−132 ft/day) when they were first installed (These hydraulic conductivities are also similar to previous estimates of *K* [DOE 2003d] for the gravelly sand and sandy gravel materials comprising most of the alluvial aquifer (100 to 180 ft/day).

The data in Table 3–9 provide some measure of the relative productivity of individual remediation wells in the Configuration 3 system. Well 670 appears to be the most productive, and well 677 is the second most productive. Well 673 consistently exhibits the lowest specific capacities.

# 4.0 Conceptual Model of Ground Water Flow and Chemistry

Performance of ground water extraction systems at the Moab Site is best understood if it is presented in the context of distinct environmental conditions that exist in the Moab Valley. The valley's hydrogeology is relatively unique in that discharge of ground water to the river is affected by density-dependent flow induced by the presence of very saline to briny water. In addition, evidence for the presence of a hyporheic zone below the river, as discussed in previous performance evaluations of the Ground Water IA (DOE 2005b, DOE 2005d), indicates that the chemistry of this ground water is significantly altered before it enters the river. This report section addresses these issues as it (1) summarizes the conceptual model of ambient ground water flow conditions at the site; (2) describes the spatial distribution of saline ground water in the vicinity of the river; (3) discusses how ground water salinities are affected by multiple hydrogeologic factors; (4) describes hydraulic relationships between the river and nearby ground water and their potential impacts on chemistry of the hyporheic zone; and (5) surmises how ground water pumping operations at Configurations 1 and 3 are likely to both affect and be influenced by local ground water conditions. The possible effects of irrigation water entering the subsurface below test plots planted with native vegetation upgradient of the Configuration 1 and 3 well fields are also mentioned.

## 4.1 Alluvial Aquifer

Most of the ground water found in the Moab Valley appears to originate as recharge from atmospheric precipitation on or surface water flow across bedrock areas located away from the valley (Blanchard 1990, Freethy and Cordy 1991, Eisinger and Lowe 1999, DOE 2003d). The majority of the recharge water appears to enter the valley as subsurface discharge to the alluvium that dominates the unconsolidated deposits found throughout most of the valley. As a consequence, shallow ground water is locally dominated by flow processes in an alluvial aquifer system. In general, flow in the alluvium converges on the Colorado River from both the southeast (from near the City of Moab) and the northwest (the Moab Site) (DOE 2003d).

The uppermost 10 ft of alluvium in the vicinity of the Ground Water IA generally consists of sandy silt and silty sand deposits. These silt-bearing sediments are typically underlain by 6 ft of fine- to coarse-grained sand. Between depths of approximately 16 and 29 ft bgs, gravelly sands predominate, but thin clayey gravelly sand units are also occasionally encountered. From 29 ft bgs to depths approaching hundreds of feet, the alluvium appears to consist primarily of gravelly sands and sandy gravels. The top of the saturated zone in Ground Water IA areas is located about 10 to 12 ft bgs; consequently, ground water flow in the alluvial aquifer occurs mostly within gravelly sand and sandy gravel materials. Stratification within the alluvial aquifer causes the aquifer to exhibit anisotropy, with the effective hydraulic conductivity in the vertical direction being perhaps 10 to 100 times smaller than the horizontal hydraulic conductivity (DOE 2003d).

## 4.2 Density-Dependent Ground Water Flow

Highly saline ground water observed near the Colorado River at relatively shallow depths results from the fact that the river acts as a site of regional ground water discharge (DOE 2003d). Transfer of this water to the river is a density-dependent process since water density increases with increasing salinity.

Levels of salinity in ground water on both sides of and below the river can be described with respect to total dissolved solids (TDS) concentrations in units of milligrams per liter (mg/L). Ground water is typically characterized as being either mildly saline (TDS = 1,000 to 3,000 mg/L), moderately saline (TDS = 3,000 to 10,000 mg/L), very saline (TDS = 10,000 to 35,000 mg/L), or briny (TDS > 35,000 mg/L) (McCutcheon et al. 1993). These TDS concentrations are larger than the TDS levels commonly reported for river water (500 to 1,000 mg/L), which is referred to as freshwater in this report.

Brine waters dominate the deepest parts of the alluvium and are attributed to chemical dissolution of the underlying Paradox Formation, a large and relatively deep evaporite unit that has been deformed to create a salt-cored anticline aligned with and underlying the Moab Valley (Doelling et al. 2002). On the west side of the river (i.e., at the site), moderately saline and very saline waters result mostly from the mixing of southeastward-moving shallow ground water with the deeper brine. However, some of the highly saline ground water close to the river is also attributed to historical seepage of high-TDS fluids from the base of the Moab tailings pile located to the west, which occurred mostly during and immediately after the years of milling operations at the Moab Site (DOE 2003d). The observed general spatial variations in salinity observed at the site today reflect both historical density-dependent flow processes, which probably varied substantially over time during mill operation years, and relatively steady density-affected processes in recent years. These flow processes cause currently observed TDS concentrations to increase with depth in the vicinity of systems comprising the IA.

The Colorado River reach within Moab Valley appears to be typical of a gaining watercourse in that ground water discharge to it shows a tendency to occur mostly within relatively narrow bands on either side of the river (e.g., Haitjema et al. 2001). That is, southeastward-moving ground water under the Moab Site appears to discharge to surface water within a small, finite-width zone located just to the east of the river's west bank, and northwestward-moving ground water from the City of Moab area likely discharges to a similarly constrained zone near the west bank. The occurrence of highly saline water in shallow ground water near the river along both its west and east shores (DOE 2003e) appears to result from such concentrated discharge over relatively small portions of the river's full width.

Analyses of salinity in ground water under the Moab Site (DOE 2003d) indicate that the brine surface is deepest in the western portion of the site and becomes shallower in the direction of the river. Data collected to the southeast of the river indicate a similar pattern in that depth to brine is greatest in wells located some distance from the river and much smaller near the river's east bank (DOE 2003d). Such observations appear to result from saltwater upconing (e.g., McElwee 1985), with the river acting much like a well that induces the upward migration of brine when it is pumped (Domenico and Schwartz 1998). Assessments of IA Configurations 1 and 2 indicate that, under non-pumping conditions, brine is usually found in these areas at about 25 to 40 ft bgs (DOE 2004a, DOE 2005b, DOE 2005d), and extrapolation of the brine surface in these areas shows it intersecting the river close to its west bank (Figure 4–1). The density-dependent hydraulics associated with this flow system result in ground water velocities that decrease with depth below the ground water surface, and velocities below the brine surface are extremely low (e.g., Konikow et al. 1999). These hydraulic phenomena in turn cause flow convergence near the river's west bank, and the presence of very slow-moving brine just below the river (Figure 4–1) represents an additional obstacle to ground water flow from one river bank to another.

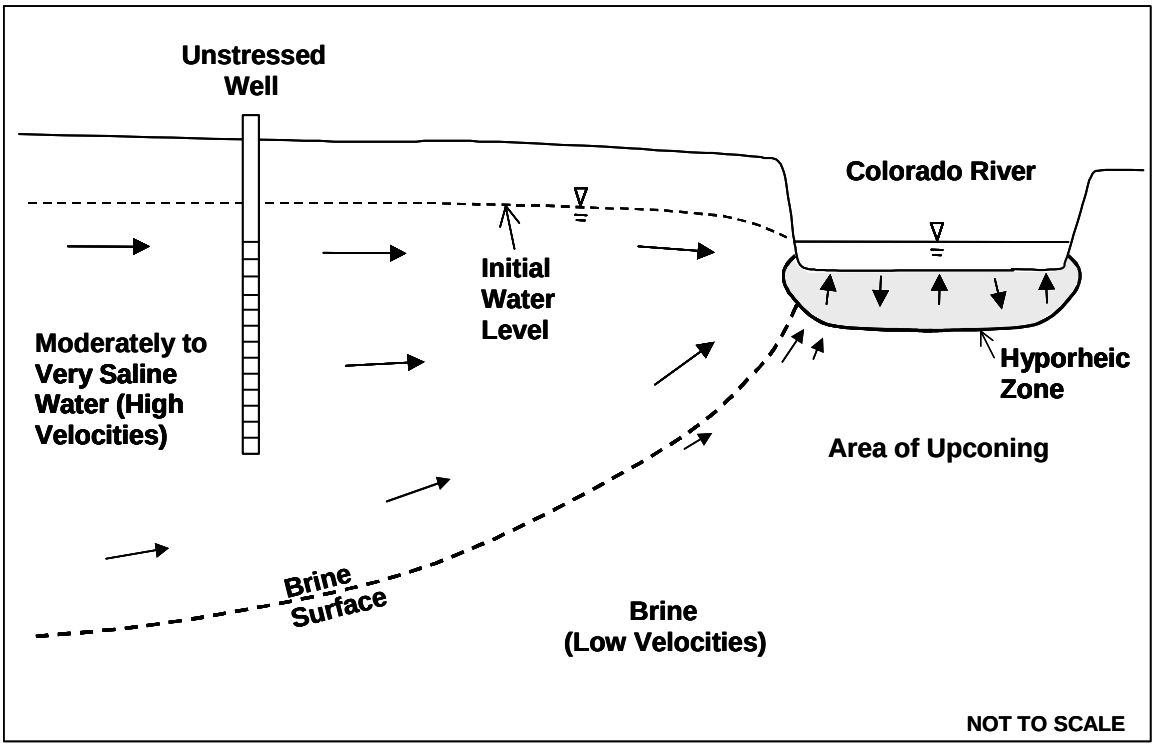



*Figure 4–1. Conceptualization of Ground Water Flow Near the Colorado River Under Non-Pumping Conditions*

As discussed in the following section, spatial variations in flow conditions have the capacity to affect depth to brine within the constraints of the above-mentioned general patterns of ground water salinity near the river.

## 4.3 Processes Affecting Ground Water Salinity

### 4.3.1 Hydrogeologic Influences

A variety of factors other than proximity to the river can affect the depth to the brine surface. As discussed later in Section 4.4.1, the brine surface elevation at a given location can change over time as water levels in the river vary with changing runoff conditions. The resulting fluctuations in the distribution of brine can be relatively smooth or rather abrupt depending on the rate with which surface water levels are affected.

Even during periods of relatively stable river flow, which can last for several months, at least three different hydrogeologic factors other than proximity to the river can potentially influence spatial variations in depth to brine. One of these is the volumetric rate of flow toward the river, which is likely to vary along the river's west bank. Along those portions of the river where such flows tend to be relatively large, density-affected ground water hydraulics at the site indicate that the brine will be found at a greater depth than at another location where the flow is less. Thus if one tracks conditions along a line paralleling the river at a given distance from its west bank, gradual changes in brine depth should be observed in proportion to the increases or decreases in

eastward ground water flow that occur. An end-member of this continuum occurs at locations where flow to the river essentially reduces to zero. In such areas, brine should be observed at the water table since there is no fresh water available to suppress it. In past years, brine exhibiting TDS concentrations approaching 100,000 mg/L have been observed in near-river shallow wells located south of the site's south boundary, suggesting that ground water discharges to the river in this area are very small. In contrast, near-river depths to brine north of the site's south boundary can be as large as several tens of ft bgs, indicating that flow to the river here is more substantial.

Because most of the subsurface brine at the site is attributed to dissolution of Paradox Formation sediments, it is also possible that depth to brine near the Colorado River depends on the depth at which the dissolution first occurs. This is illustrated with a cross-sectional depiction of the conceptual model of ground water flow (Figure 4–2) that has been adopted for the Moab Site (DOE 2003d). With this model, depth to brine along a steep bedrock wall found below the western portion of the site depends on the depth at which downwelling freshwater first encounters the Paradox Formation: the deeper the contact between Paradox and overlying sediments, the deeper the brine surface is in the western portion of the site. Thus if this contact depth varies as one moves along a line located transverse to the general ground water flow direction, it is possible that the depth to brine close to the river will vary accordingly. Though this latter factor probably plays a lesser role than volumetric ground water flow in controlling near-river brine surface elevation, it cannot be completely discounted.

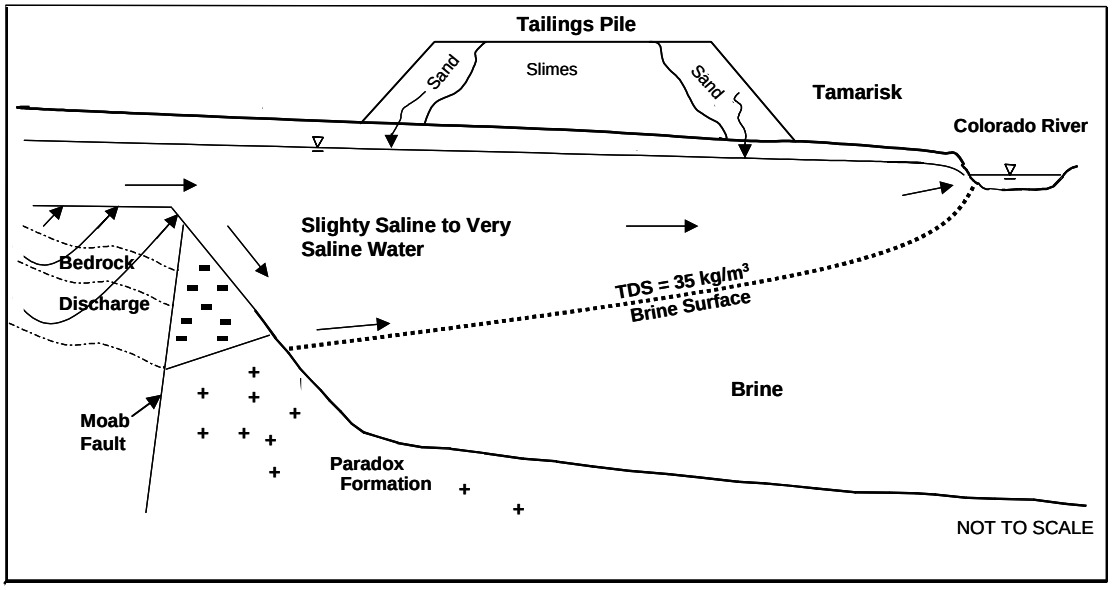



*Figure 4–2. Conceptualization of Ground Water Flow at the Moab Site*

A third factor that potentially affects brine surface elevation is related to sedimentation processes that occur along the river's west bank. During years in which high ammonia concentrations have been detected in surface water, they have typically been found in river side channels (backwaters) that are separated from the main river channel and are located close to a steep bank that separates the riverbed from the floodplain on which the Moab Site sits (Figure 4–3a). These occurrences indicate that the contaminated ground water discharging to the river tends to converge on the side channels rather than migrating to the main channel where surface water

flows tend to be larger. However, because the river processes that helped create the backwaters vary over time, some side channels near the river's west bank have eventually filled in with sediment, and ground water has been forced to migrate farther east to discharge to the river's main channel (Figure 4–3b). Under these circumstances, the brine surface also migrates farther to the east and the depth to brine near the steep bank increases. Such riverbed infilling appears to have occurred over the past several years along 600 to 700 ft of the river's west bank located immediately south of the Moab Wash outlet, in locales adjacent to the Baseline Area and Configuration 3. If depths to the brine surface in these areas deepened as a result of sedimentation processes, the changes could be technically attributed to increases in distance from the river (i.e., proximity to the river). Nonetheless, this phenomenon is singled out because of a tendency for site stakeholders to treat the steep bank along the eastern edge of the floodplain as the river's western extent.

During this study of ground water extraction in 2005, closer attention was paid to the potential for hydrogeologic factors to influence near-river changes in salinity distribution.

### 4.3.2 Salinity Sources

Because the very saline to briny ground water at the Moab Site can be attributed to either natural dissolution of Paradox Formation evaporites or historical leachate from the tailings pile, or some combination of each, methods for distinguishing the origin of this salinity are potentially helpful in assessing hydrologic processes at the site and their influence on contaminants discharging to the river. A large number of techniques are potentially available for this purpose, including isotope analyses and geochemical fingerprinting. A particular type of fingerprinting that is relatively easy to apply is based on the ratio of simultaneously measured concentrations of dissolved chloride (Cl) and bromide (Br). These ions are highly soluble and conservative (i.e., non-reactive) and can, therefore, be applied to study dissolution of salts and the mixing of waters from different sources (Hem 1985, Davis et al. 1998). Of the two ions, Br is more soluble.

The chloride/bromide (Cl/Br) ratio is sensitive to mineral and chemical sources or provenance. It tends to be low in most natural systems like seawater (290), meteoric water (50−180), organic materials (20−200), and water circulating through igneous and metamorphic rocks (100−500) (Davis et al. 1998). Higher Cl/Br ratios are often associated with anthropogenic sources (e.g., road salt, sewage, industrial chemicals or waste, agriculture processes). However, some of the highest ratios are attributed to the natural dissolution of evaporite minerals, such as halite (sodium chloride). Cl/Br ratios between 1,000 and 10,000 are relatively common in ground water that has come in contact with halite (Davis et al. 1998).

The very high Cl/Br ratios associated with evaporite bedrock result from the differential solubility between Br and Cl. When briny water evaporates, halite precipitates first and the more soluble Br tends to remain in solution. Thus if fresher waters of different origin subsequently contact halite-containing rocks millions of years after their origin, dissolution of the rock produces higher Cl/Br ratios. The ratios can become increasingly larger if the rock is subjected to multiple cycles of evaporation followed by dissolution (Davis et al. 1998).

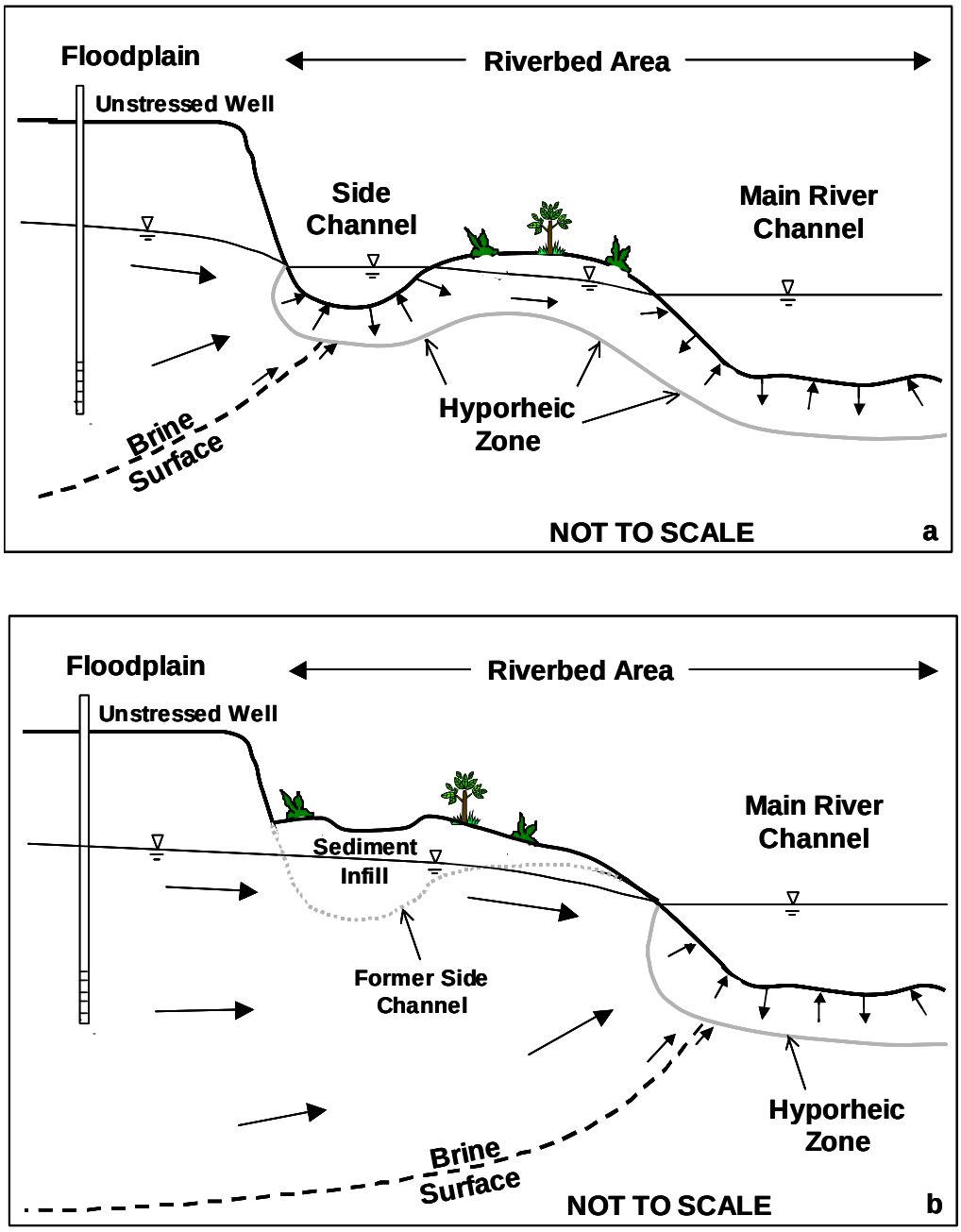



*Figure 4–3. Conceptualization of Brine Surface Behavior in Response to River Sedimentation: (a) Before Sedimentation and (b) After Sedimentation*

Another likely source of bromide at the Moab Site was the tailings leachate that contributed to ground water during and immediately after the years that milling occurred. Though the relative quantities of chloride and bromide in the leachate at the time were unknown, Cl/Br ratios in water samples collected during the last few months of 2005 were used in this study with the hope of distinguishing leachate-affected ground water from that upwelling from the Paradox Formation. In using these ratios, it was also recognized that some of the relatively fresh water that migrates through the alluvial aquifer toward the Colorado River might also exhibit Cl/Br

ratios that were higher than those associated with meteoric water. However, it was believed that these latter ratios would be noticeably smaller than those resulting solely from evaporite dissolution since most of the recharge to the local alluvial system is attributed to subsurface discharge of ground water from the Glen Canyon Aquifer system (DOE 2003d), which consists largely of bedrock sandstones. Information collected from the site in past years indicated that, at a minimum, Cl/Br ratios could be used to distinguish mixed ground waters from those caused entirely by dissolution of evaporite rock. The possibility also existed that mixing of surface water from the river with ground water in the hyporheic zone could be discerned using Cl/Br ratios.

A subsequent report section discusses how ground water derived solely from dissolution of Paradox Formation sediments tends to have Cl/Br ratios that are as large as 3000, whereas all other ground water at the site in the vicinity of the Colorado River exhibits ratios that are typically much smaller (200−1,000). These latter waters are considered mixtures from multiple sources that cannot be distinguished from one another on the basis of Cl/Br ratios alone.

## 4.4 River-Aquifer Relationships

### 4.4.1 Hydraulic Responses to Changes in River Stage

Previous investigations have shown that surface water flow in the Colorado River can strongly affect ground water elevations in the alluvial aquifer at the Moab Site (DOE 2003d). In particular, as river flow increases, causing the river's water surface to rise, ground water levels in the aquifer also increase. Conversely, hydraulic heads in the alluvial aquifer decrease with decreasing river flows. A lag time on the order of as much as a day is typically observed between river rise and increases in ground water levels in wells located hundreds of feet from the river. However, the response time of ground water close to the river is relatively short, making it likely that river effects on water levels in Configuration 1 and 3 wells would be observed within periods of a few to tens of minutes.

Changes in river surface elevation also affect the elevation of the brine surface in ground water west of the river (DOE 2003d). Salinity data collected in wells between 2001 and 2004 indicated that the brine surface elevation generally increased during periods of peak flow in the river (typically in the spring) and subsequently declined upon passage of high runoff conditions. Consequently, the most notable effect that an increase in river level had on aquifer chemistry in each affected well during those years was an increase in the average TDS concentration within the screened interval of the well. Though an opposite relationship between river stage and brine surface elevation was occasionally observed for periods of a few to several days in wells located within 50 to 100 feet of the river (DOE 2003d), wells located farther from the river did clearly increase in salinity when the river reached peak flow conditions. Such observations suggested that, as the water table increases with increasing river stage, the vertical thickness of the water located above the brine surface essentially remains constant so that the net flow of ground water to the river is also constant.

The above-mentioned increases in brine surface elevation in response to high spring runoff during the 2001−2004 period appears to be largely the consequence of the relatively low peak river flows that were observed in each of those years. This period was dominated by drought conditions in the southwest U.S., and flows in the river tended to reflect the pervasive dryness. In

contrast, 2005 was considered a wet year, and the peak flow passing the Moab Site increased considerably in comparison to the four previous years. Examination of flow data for the Cisco Gaging Station, which is located on the Colorado River about 35 miles upstream of the site, shows that peak flows during 2001−2004 ranged from about 6,500 cubic feet per second (cfs) (in 2002) to 27,500 cfs (in 2003), whereas peak flow in the spring of 2005 was about 40,000 cfs. During this latter flow, the river surface came close to reaching flood stage along the river's west bank. Moreover, the rate of increase to this peak level was greatest over a period lasting approximately ten days, and recession from the peak occurred over a similarly short period. Such a rapid change in flow conditions provided relatively little opportunity for density-dependent flow conditions in ground water to respond at a comparable rate, causing the brine surface elevation in wells located up to several hundreds of feet from the river to respond differently than during high runoff in the four previous years. The most noticeable effects of the high runoff in 2005 were distinctive decreases in constituent concentrations in ground water located close to and at moderate distances from the river. These concentration decreases, which were attributed to significant water losses from the river to the subsurface in the form of bank storage, persisted for several months.

Temporary bank storage of river water in the Configuration 1 area during spring 2005 was examined in this study for potential lingering effects that it might have had on local discharge of dissolved ammonia and uranium to backwater side channels in the river during the following late summer and fall.

### 4.4.2 Hyporheic Zone Mixing

Other than occasions when the river temporarily recharges the alluvial aquifer in the form of bank storage, the observed relationships between river level and ground water elevation do not reflect significant changes in ambient flow direction. That is, on-site ground water generally continues to migrate eastward toward the river, even during spells of high river flow despite the concomitant increase in ground water levels. However, changes in river level can theoretically alter flow exchanges between the hyporheic zone and the river. Previous analyses of the potential for vertical flow components in the hyporheic zone (DOE 2005b) using techniques that take into account salinity-affected water density (Jorgensen et al. 1982) suggest that flow is upward to the river in some locations and downward from the river to ground water in others. Because spatially and temporally variable river scour and sedimentation and associated changes in riverbed morphometry can affect where these upward and downward flows occur, it is logical to assume that changes in river flow alter the exchange of river and hyporheic zone waters.

The potential for surface water to enter the hyporheic zone in some riverbed areas and accept outflow from the zone in others infers the presence of distinct flow paths between areas of river water infiltration and downgradient locations of ground water discharge. Though it is likely that such flow paths often parallel the direction of river flow, it is also possible that these paths are oriented transverse to the downstream direction. The latter occurs when river water from a channel with a high surface water elevation migrates to an adjacent channel with a lower surface water level. Because sedimentation processes along the reach of Colorado River adjacent to the Moab Site sometimes produces side channels that parallel the main river channel (Figure 4–3a) both types of flow orientation within the hyporheic zone appear possible.

Mixing of river water with ambient ground water in the hyporheic zone is expected. Much of this mixing is attributed to mechanical dispersion, which is enhanced when the sediments comprising the hyporheic zone are quite heterogeneous. However, it is also likely that dispersive processes and the resulting mixing of waters is further promoted by the tendency of areas of hyporheic zone influx and outflux to vary temporally as well as spatially. To some extent, it is this mixing of waters of different origin that facilitates the various biogeochemical processes that can cause attenuation of contaminant concentrations prior to their discharge to surface water.

### 4.4.3 Biogeochemical Processes in the Hyporheic Zone

Many different types of biogeochemical processes can occur in the hyporheic zone (Dahm et al. 1998). The dissolved oxygen (DO) and dissolved inorganic carbon (DIC) (i.e., carbon dioxide [$CO_2$]) contained in surface water entering the zone is theoretically available to support nitrification, in which microorganisms referred to as nitrifiers oxidize dissolved ammonia and ultimately produce dissolved nitrate ($NO_3$) (EPA 1993). Nitrification is an autotrophic process since the carbon source upon which it depends is inorganic. The alkalinity of ground water, reported in units such as mg/L of calcium carbonate ($CaCO_3$), provides an approximate measure of the amount of DIC available for nitrification. In zones of nitrification, alkalinity decreases due to the consumption of $CO_2$ (EPA 1993). Nitrite ($NO_2$) is an intermediate product of the nitrification process and can occasionally be used to help identify the biotransformation of ammonia.

It is also common for many chemical reactions in the hyporheic zone to be mediated by heterotrophic bacteria (Dahm et al. 1998, Duff and Triska 2000). Heterotrophic microbes are distinguished from autotrophs by their use of dissolved organic carbon (DOC) as a substrate for growth. The most energetically favorable electron acceptor for heterotrophic activity is oxygen, which is used by a class of bacteria called aerobes. If the oxygen supply is depleted by aerobes, another type of heterotrophic metabolism called denitrification becomes possible. During denitrification, microbes synthesize DOC using nitrate ($NO_3$) as the preferred electron acceptor, ultimately producing nitrogen gas ($N_2$). As with autotrophic nitrification, denitrification generates $NO_2$ as an intermediate product that can sometimes be detected in ground water at significant levels. In contrast to nitrification, denitrification causes an increase in alkalinity (EPA 1993).

Upon depletion of available oxygen and nitrate, other types of heterotrophs can utilize solid-phase manganese, solid-phase iron, and dissolved sulfate as electron acceptors. This latter sequence of bacterial respiration forms has the potential to create more chemically reducing zones in the hyporheic zone. With such a change in redox status, some dissolved metals such as uranium can become less mobile and exhibit lower concentrations than would occur under more chemically oxidizing conditions.

A predictable sequence of heterotrophic activity can be envisioned along a flow path in the hyporheic zone (Figure 4–4). In upgradient portions of the path, DO supports aerobic metabolism and the associated consumption of DOC in the inflowing river water. As the supplies of oxygen are depleted, nitrate becomes the most thermodynamically favorable electron acceptor, which facilitates its conversion into $NO_2$ and dissolved nitrogen gas by denitrifying microbes. If nitrate is consequently depleted while some organic carbon remains, the populations of other types of bacteria, starting with manganese-reducers and sequencing through iron-

reducers, sulfate-reducers and methanogens (Figure 4–4), could also grow from the consumption of organic carbon substrate at locations farther along the flow path (Dahm et al. 2000).

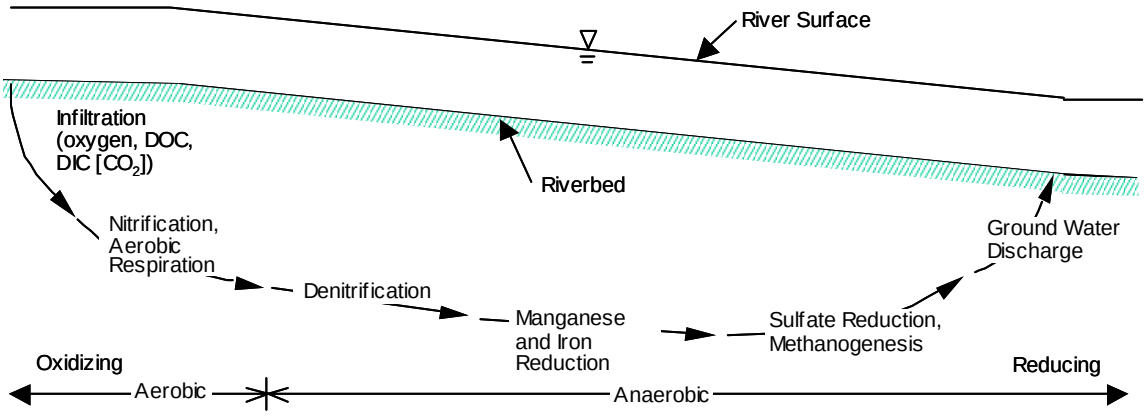



*Figure 4–4. Microbially Mediated Processes in the Hyporheic Zone*

Oxidation-reduction potential (ORP) is sometimes used as a relative indicator of the above-mentioned biogeochemical sequence associated with heterotrophic respiration. Typically, ORP values of +100 to +200 millivolts (mV) are observed in areas of aerobic and nitrate-reducing activity. Gradually decreasing ORP values are subsequently seen in areas of manganese-reducing and iron-reducing activity, and negative ORP values may be associated with microbially mediated sulfate reduction and methanogenesis. Dissolved methane may be generated in areas where ORP values as low as –200 to –300 mV are observed. The previous evaluation of ground water extraction under the Ground Water IA (DOE 2005b) revealed that ORP in the hyporheic zone underlying the Colorado River is wide-ranging, with values as low as –200 mV being observed almost as frequently as values approaching +100 to +200 mV. Thus it appears that several different types of bacterial metabolism, including nitrification and denitrification, can potentially occur locally beneath the river.

## 4.5 Effects of Pumping on Ground Water

### 4.5.1 Hydrodynamics of Ground Water Extraction

Upconing of very saline and briny ground water has typically been observed at the Moab Site in response to ground water pumping (e.g., DOE 2002), and a previous report on the performance of ground water extraction (DOE 2005b) examined the degree to which upconing near the river could result from Ground Water IA operations. The total depths of most Configuration 1 extraction wells were purposefully limited to about 21 ft bgs (Section 3.1) with the intent of minimizing induced inflow of brine found near depths of 30 to 35 ft bgs. Though the total depths of Configuration 3 extraction wells installed in August 2005 were considerably larger (~ 45 ft bgs), none of them intercepted ground water containing TDS levels greater than 25,000 mg/L. Consequently, induced inflow of brine to the IA system in this area was expected to be relatively minor.

General flow conditions created by pumping from the Configuration 1 and 3 fields, including upconing, are shown in cross-sectional form in Figure 4–5. As this figure indicates, the ground water withdrawn through extraction wells comes not only from upgradient sources but also from the river, where pumping has induced infiltration of surface water. Hydraulic analysis of ground water response during a previous evaluation of ground water extraction (DOE 2005b) determined that the time required for induced flow of water from the river to be initiated is relatively small, perhaps on the order of a few minutes. In addition, the amount of time needed to reach a state of relative equilibrium, wherein ambient ground water levels appears to stabilize and the combined rate of volumetric flow from upgradient ground water and the river equals the total pumping rate at the well field, is also relatively short. Though this apparent equilibrium implies that the flow field reaches a steady state shortly after the start of pumping, true steady-state conditions are unlikely to be achieved until several months of pumping have elapsed. This latter observation is attributed to the fact it can take as long as 100 days or more for river water entering the aquifer at the river bank to migrate to the extraction wells (DOE 2005b). During this interim phase, TDS concentrations in ground water downgradient of the well field constantly change, thus leading to a continually evolving density-dependent flow field. The transport of river water in the subsurface in response to pumping-induced infiltration of surface water is of interest, not only because of the potential effects it has on contaminant levels in river side channels, but also with regard to biogeochemical activity that might occur along flow paths between the river and the well field.

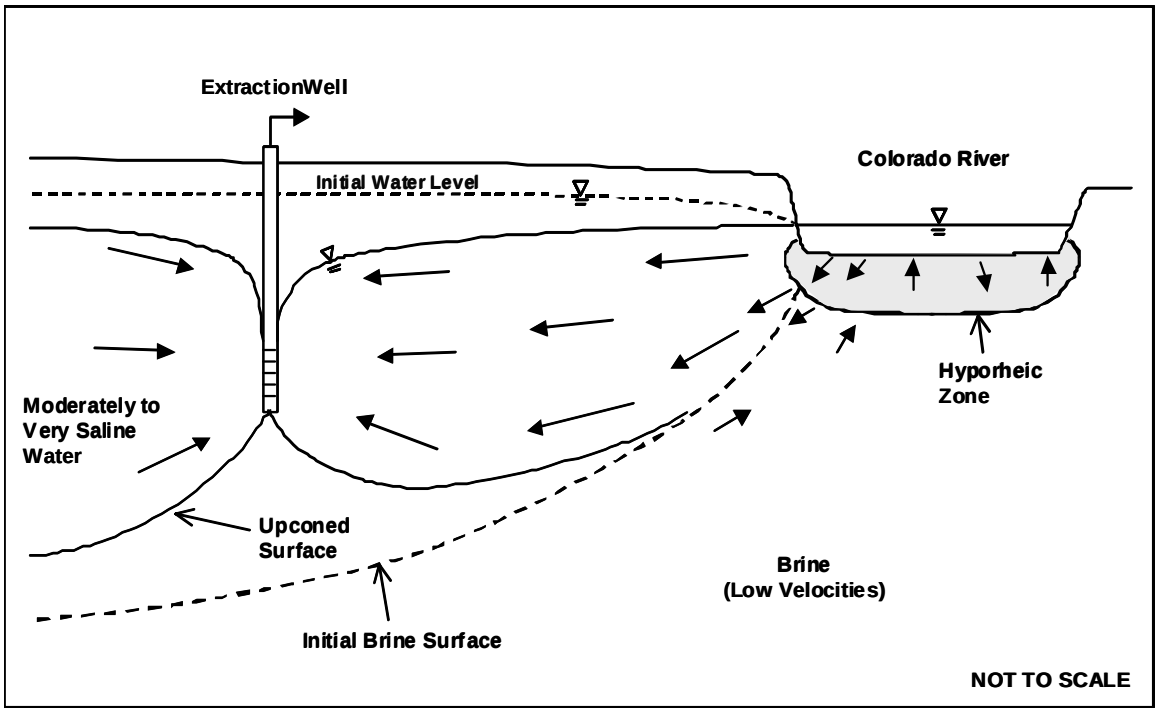



*Figure 4–5. Conceptual Model of the Flow Field Resulting from Ground Water Extraction Near the River*

It is hypothesized that ground water pumping at IA wells leads to attenuation of contaminant concentrations in river side channels because the infiltration of surface water in response to the pumping replaces the ground water discharge processes that would normally occur under ambient flow conditions. In order for this attenuation to be fully successful, the rate of pumping

should be sufficiently large to eliminate virtually all ground water discharge to backwater side channels. Temporal changes in the concentration of contaminants in the side channel located downgradient of Configuration 1 were examined in this study to ascertain whether this goal could be at least partially, if not fully, met.

### 4.5.2 Pumping Induced Biogeochemical Activity

Induced inflow of river water toward extraction wells has the capacity to reduce concentrations of dissolved ground water contaminants via both dilution and chemical processes. Chemically driven attenuation of contaminant concentrations, if occurring, is largely driven by the introduction of constituents found in river water and the hyporheic zone at moderate to high levels into site ground water. For example, conversion of ammonia to nitrate via nitrification might be enhanced if pumping initiates influx of significant amounts of DO, $CO_2$, and nitrifying bacteria.

The relatively large levels of oxygen in river and hyporheic zone water that are drawn toward active extraction wells are likely to be progressively reduced with increased travel distance (e.g., Tufenkji et al. 2002). If the dissolved oxygen is effectively depleted at some point between the river and extraction wells, resulting anaerobic conditions increase the likelihood that the activity of heterotrophic bacteria can be initiated, particularly if DOC and nutrients drawn from the river are maintained at levels capable of supporting heterotrophic respiration. This in turn signifies that denitrification can succeed aerobic metabolism, and possibly lead to enzymatically driven manganese reduction (Tufenkji et al. 2002), and perhaps even iron and sulfate reduction, if more chemically reducing conditions are created.

Assuming dilution and increased biogeochemical activity do lead to contaminant attenuation in ground water between the river and the Configuration 1 and 3 well fields, the gradual return of affected waters to the river after pumping ends in the winter is likely to affect contaminant levels in side channel backwaters. At a minimum, contaminant levels in side channels are expected to remain low for at least a few weeks, and perhaps months, because the ground water discharging to these areas is now less contaminated. Monitoring of chemical parameters reflective of biogeochemical activity was initiated during 2005 for the purpose of identifying pumping-related contaminant attenuation that spans multiple seasons.

## 4.6 Surface Irrigation West of the Ground Water IA

The chemistry of ground water downgradient of the Moab tailings pile and near the Colorado River may have been affected by surface irrigation of native vegetation test plots that were emplaced anywhere from 50 to 150 ft upgradient of the edge of the flood plain in spring 2005. Monthly irrigation deliveries to the plots (C3, C4, C5, C6, and Tree Area in Figure 3–1 through Figure 3–4) began in April 2005 and continued into September 2005. The source for this water was a settling pond located north of Moab Wash that was fed by uncontaminated surface water diverted from the river.

Unsaturated zone salinity data collected in the vicinity of the vegetated plots during the irrigation season suggested that recharge was occurring as a result of the irrigation. Using this information and estimates of average linear ground water velocity in the local alluvial aquifer, it appears

probable that irrigation water seeping to the water table in early spring 2005 migrated as far east as the Configuration 1 and 3 well fields over succeeding summer months. This source of freshwater recharge had the potential to dilute ground water near the water table and possibly induce or enhance biogeochemical processes locally. Partly because data regarding the volumes of irrigation water delivered to the vegetated plots during 2005 are not available, it is difficult to fully confirm whether irrigation-related recharge contributed to the attenuation of dissolved ground water constituent concentrations in the Configuration 1 and 3 areas. However, chemical data collected in the Configuration 3 and Baseline areas in fall 2005 did provide possible evidence for irrigation-enhanced nitrification.

It should be mentioned that recharge of irrigation water on the vegetation test plots also had the potential to increase the levels of some ground water constituents rather than reducing their concentrations. These increases were considered possible for solid-phase metals that tend to dissolve more readily in ground water when contacted by oxygenated water. An example of such a metal is uranium (Anderson and Lovley 2002). During the performance evaluation, some data collected from IA areas and the Baseline Area did suggest that increased uranium dissolution and mobility occurred as a result of irrigation water influx while other constituents responded with concentration decreases.

# 5.0 Extraction System Hydraulic Performance

## 5.1 Individual Well Pumping Rates and Water Extraction Volumes

### 5.1.1 Configuration 1 Performance

Monthly extraction volumes between February and December 2005 for each of the ten wells comprising the Configuration 1 system and PW02 are listed in Table 5–1. More complete data for each well are provided in Appendix B−1.

The data presented in Table 5–1 show that Configuration 1 wells extracted a combined volume of about 8.7 million gallons of ground water during 2005. This quantity represented a limit on the amount of water that could be withdrawn due to efficiency issues with the wells. Similar to the 2004 remediation season, well 470, the southernmost extraction well in the system, removed the largest quantity of ground water during 2005. Well 478, located near the northern end of the system, yielded the second largest extraction volume, and well 471, located adjacent to well 470, yielded the third largest volume. These three wells were responsible for 45 percent of the total ground water withdrawn by Configuration 1 wells in 2005. Well 474, located near the middle of system, provided the smallest pumped volume (Table 5–1).

Pumping from well PW02, which began in April 2005, removed more than 6 million gallons of ground water during the year. This quantity reflected the capacity of well PW02 to be pumped at higher rates than those that were achieved at individual Configuration 1 wells.

Some of the monthly quantities presented in Table 5–1 are estimates. The data listed were generally based on flow rates recorded at meters installed at each extraction wellhead. These flow meters occasionally malfunctioned, which meant that some pumping rates had to be assumed using rates that were accurately captured prior to and after periods of malfunction. In addition, even when flow meter readings appeared to be accurate, they did not always fall on the last day of a month. Finally, the pumps in some wells were at times not operating; consequently the periods over which pumping occurred sometimes had to be assumed. Despite these difficulties, the listed extraction volumes are considered sufficiently accurate to develop rough estimates contaminant mass withdrawals on a per-well basis.

It should be noted that the estimated total ground water extraction volume attributed to Configuration 1 wells (8.9 million gallons) using wellhead meters is considerably less than a total volume of 11 million gallons indicated by a totalizer flow meter for the system. This discrepancy reflects the uncertainty associated with flow measurements at individual extraction wells.

Average monthly pumping rates at Configuration 1 wells were analyzed with the intent of characterizing individual well contributions to contaminant mass removal. Because, as previously mentioned, pumps were sometimes shut off during the February to December 2005 period, the pumping rate analysis was based solely on measured pumping rates when wellhead meters were operating properly, rather than using cumulative pumping volumes provided by the meters. Monthly average pumping rates at each well (Table 5–1) and average rates for the February through December 2005 period (Table 5–1 and Figure 5–1) illustrate how ground water withdrawals from the system can vary both temporally and spatially.

*Table 5–1. Monthly Average Pumping Rates and Extraction Volumes at Configuration 1 Remediation Wells, February through December 2005*

| Month | Well 470 | | Well 471 | | Well 472 | | Well 473 | | Well 474 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) |
| Feb 2005 | 1.85 | 6,146 | 1.04 | 6,741 | 1.18 | 4,949 | 0.91 | 13,123 | 1.82 | 157 |
| Mar 2005 | 4.05 | 177,108 | 3.13 | 135,914 | 2.78 | 96,467 | 1.43 | 46,816 | 0.60 | 9,392 |
| Apr 2005 | 4.39 | 134,159 | 3.04 | 84,394 | 2.66 | 60,833 | 1.42 | 2,774 | 0.54 | 5,604 |
| May 2005 | 3.86 | 119,150 | 3.26 | 92,952 | 2.49 | 88,094 | 2.98 | 6,955 | 1.02 | 7,452 |
| June 2005 | 3.71 | 159,324 | 2.94 | 125,650 | 2.57 | 105,188 | 3.33 | 97,122 | 1.13 | 31,325 |
| July 2005 | 3.75 | 151,321 | 2.94 | 118,598 | 2.43 | 93,188 | 2.12 | 95,586 | 1.19 | 40,264 |
| Aug 2005 | 3.62 | 163,342 | 2.80 | 126,738 | 2.26 | 95,841 | 2.71 | 108,108 | 1.00 | 44,555 |
| Sept 2005 | 3.49 | 156,290 | 2.75 | 123,084 | 2.15 | 85,074 | 2.23 | 86,132 | 0.80 | 29,485 |
| Oct 2005 | 3.79 | 175,286 | 2.95 | 135,021 | 2.27 | 95,297 | 2.33 | 98,170 | 0.75 | 28,515 |
| Nov 2005 | 3.66 | 156,103 | 3.15 | 128,135 | 2.45 | 94,597 | 2.44 | 94,597 | 1.02 | 28,751 |
| Dec 2005 | 4.05 | 52,451 | 3.20 | 41,596 | 2.41 | 30,283 | 2.54 | 30,290 | 1.04 | 11,967 |
| **Annual Avg / Total** | **3.73** | **1,450,680** | **2.93** | **1,118,823** | **2.38** | **849,811** | **2.29** | **679,673** | **0.94** | **237,467** |

| Month | Well 475 | | Well 476 | | Well 477 | | Well 478 | | Well 479 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) |
| Feb 2005 | 1.06 | 13,977 | 1.89 | 158 | 0.57 | 3,683 | 0.97 | 10,997 | 1.29 | 15,718 |
| Mar 2005 | 2.86 | 11,958 | 2.18 | 47,369 | 2.41 | 107,105 | 1.87 | 82,680 | 2.26 | 99,353 |
| Apr 2005 | 1.90 | 62,429 | 2.20 | 39,123 | 2.72 | 53,423 | 2.98 | 90,517 | 2.04 | 34,513 |
| May 2005 | 2.62 | 97,965 | 2.63 | 93,338 | 2.10 | 79,854 | 5.87 | 223,954 | 1.68 | 27,582 |
| June 2005 | 2.60 | 111,492 | 2.55 | 106,537 | 2.02 | 84,759 | 5.97 | 254,809 | 1.95 | 83,248 |
| July 2005 | 2.47 | 100,775 | 2.51 | 102,665 | 1.89 | 76,189 | 5.19 | 214,049 | 1.76 | 71,224 |
| Aug 2005 | 2.39 | 109,078 | 2.26 | 102,525 | 1.71 | 78,152 | 3.16 | 140,613 | 1.47 | 65,908 |
| Sept 2005 | 2.26 | 96,214 | 2.14 | 90,442 | 1.68 | 72,253 | 3.17 | 117,285 | 1.39 | 62,682 |
| Oct 2005 | 2.40 | 111,699 | 2.32 | 106,750 | 1.92 | 83,294 | 2.73 | 129,673 | 1.78 | 76,891 |
| Nov 2005 | 3.34 | 105,653 | 2.46 | 86,107 | 1.91 | 76,463 | 2.32 | 99,594 | 1.80 | 68,387 |
| Dec 2005 | 2.66 | 34,087 | 2.11 | 20,868 | 1.98 | 25,182 | 0.88 | 9,388 | 1.77 | 21,525 |
| **Avg / Total** | **2.46** | **855,327** | **2.35** | **795,882** | **1.92** | **740,357** | **3.51** | **1,373,559** | **1.76** | **627,031** |

| Month | Well PW02 | |
|---|---|---|
| | Q (gpm) | Vol (gal) |
| Apr 2005 | 24.01 | 823,154 |
| May 2005 | 23.92 | 1,057,094 |
| June 2005 | 24.44 | 1,171,830 |
| July 2005 | 20.16 | 644,504 |
| Aug 2005 | 19.73 | 801,096 |
| Sept 2005 | 17.37 | 505,317 |
| Oct 2005 | 15.34 | 274,655 |
| Nov 2005 | 15.06 | 573,328 |
| Dec 2005 | 15.12 | 195,121 |
| **Avg / Total** | **20.41** | **6,046,099** |

Q = pumping rate;
gpm = gallons per minute;
Vol = volume; gal = gallons

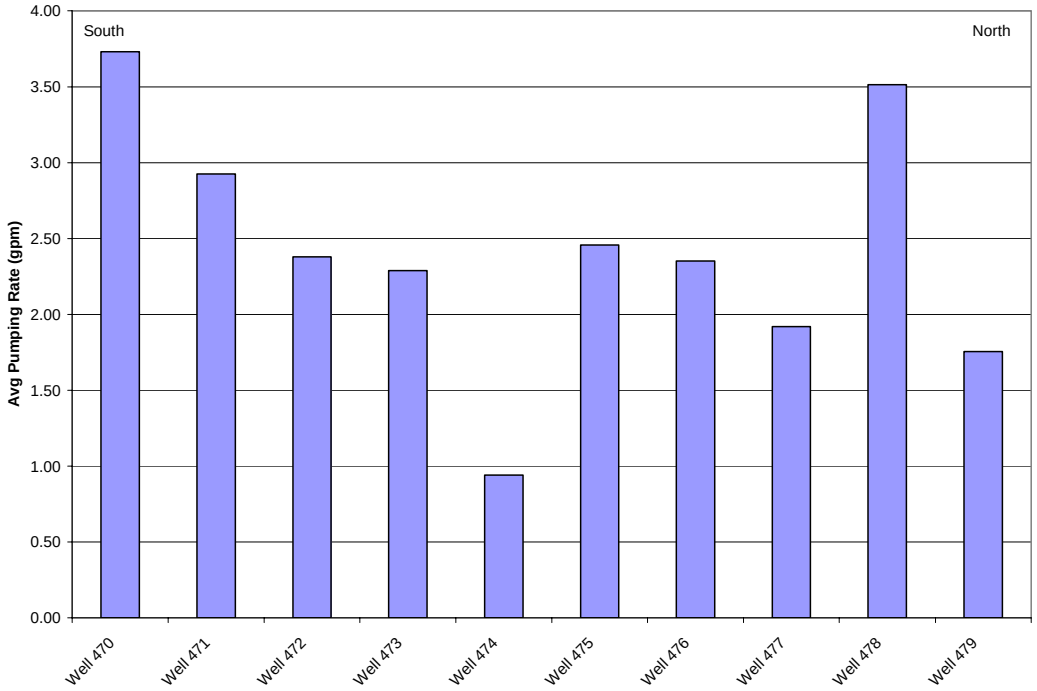



*Figure 5–1. Average Pumping Rates from Configuration 1 Wells Between February and December 2005*

Relatively constant pumping rates were maintained at most Configuration 1 extraction wells throughout 2005. A bar graph showing both the average monthly pumping rate at well 470 and the corresponding average monthly river flow (Figure 5–2) demonstrates how extraction rates at this location tended to remain steady regardless of changes in river stage. In contrast, well 478 did show significant changes in extraction rate with varying river stage (Figure 5–3) and corresponding changes in saturated thickness of the aquifer. The relatively large efficiency of this latter well, which had the second highest average pumping rate (3.5 gpm), was the apparent reason for its response to river conditions. Similar plots to those in Figure 5–2 and Figure 5–3 for the remaining Configuration 1 extraction wells are contained in Appendix B−2.

### 5.1.2 Configuration 2 Performance

Configuration 2 was operated as a freshwater injection system for the entire calendar year. Details regarding its operation during 2005 are presented in *Performance of the Ground Water Interim Action Injection System at the Configuration 2 Well Field, October 2004 – October 2005* (DOE 2005d). This document contains information regarding the hydraulic and chemical responses of ground water near the system to freshwater injection, and the relative success of the injection in attenuating contaminant concentrations in and near the river.

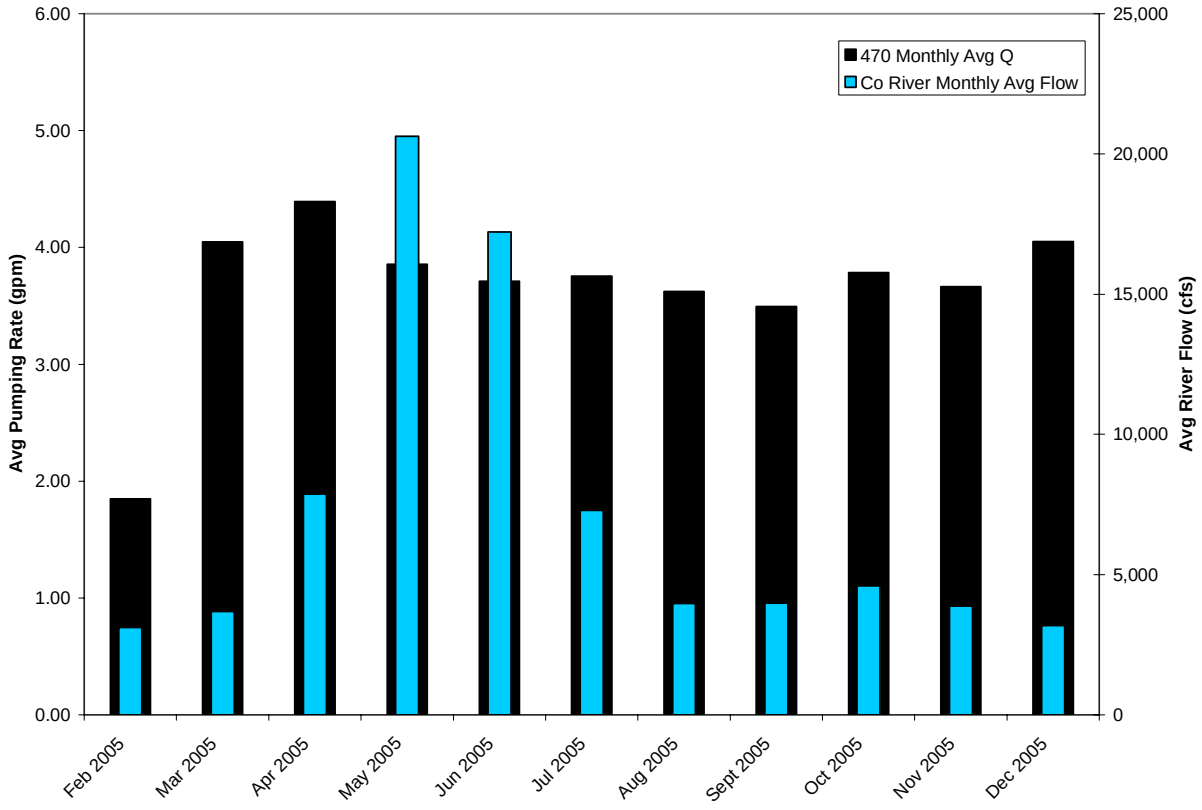



*Figure 5–2. Average Monthly Pumping Rates at Well 470 Between February and December 2005*

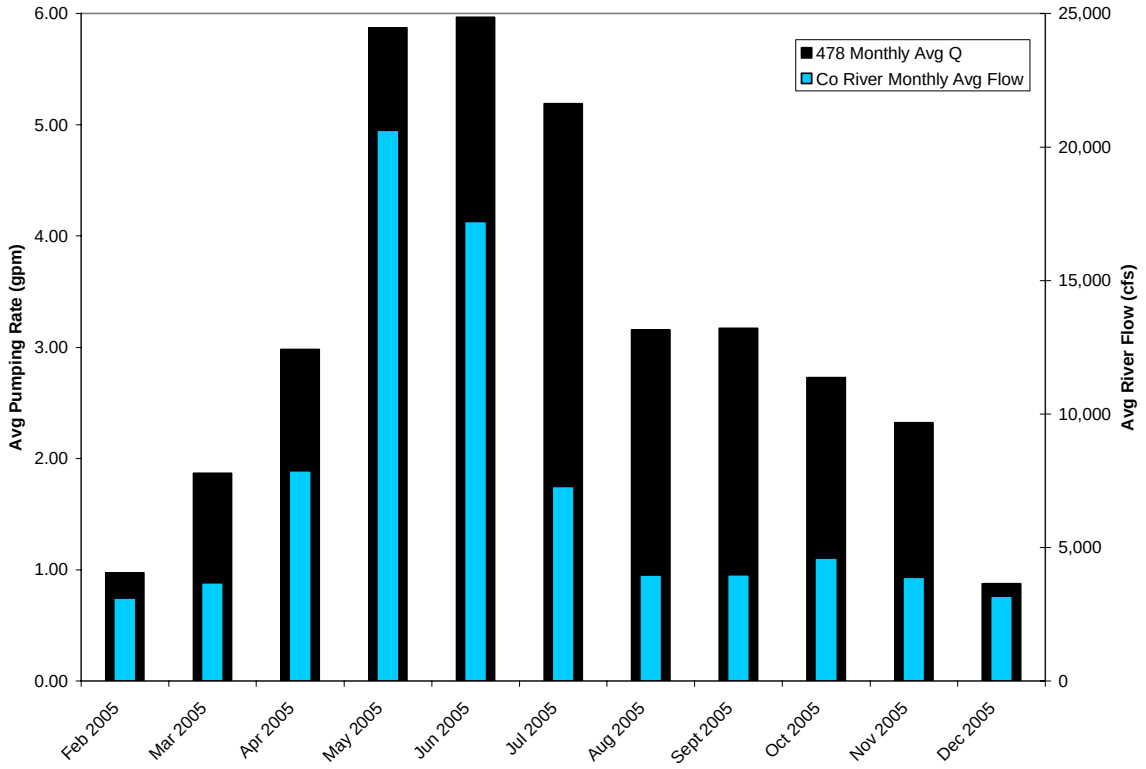



*Figure 5–3. Average Monthly Pumping Rates at Well 478 Between February and December 2005*

### 5.1.3 Configuration 3 Performance

As discussed earlier, Configuration 3 remediation wells were designed for dual-purpose use, and were constructed differently from the remediation wells at Configuration 1 and 2 with the intent of making the wells highly efficient. Whereas Configuration 1 and 2 remediation wells were constructed using a 10-slot screen and a 16/40 sand pack, Configuration 3 wells were constructed using a 20-slot screen and a 10/20 sand pack. In addition, the Configuration 3 remediation wells were screened from approximately 15 to 45 ft bgs, which provides a larger saturated thickness for ground water removal in comparison to the saturated thickness available at Configuration 1 and 2 wells.

Limited data were available in this study for evaluating the ability of the Configuration 3 system to attenuate contaminant concentrations in surface water because the system was installed during late June 2005 and did not undergo preliminary testing for pumping capacity until early August. Configuration 3 was not fully operational until late August 2005, which was well into the assessment period covered by this study. Despite the lack of information regarding Configuration 3 effects on water quality, measured volumes of extracted ground water at Configuration 3 during late 2005 did provide insight into the hydraulic performance of this system.

Configuration 3 wells began delivering extracted water to the treatment system in late August 2005 as part of a 4-day test to determine the total rate at which water from all IA extraction wells could be delivered to the evaporation pond on the tailings pile. During this test, Configuration 3 was pumped at estimated average rate of about 72 gpm. As with Configuration 1, data regarding individual well pumping rates (Appendix B−3) were limited due to problems with meters at the wellheads. As a consequence, none of the data from the late-August testing are included in the analyses presented in this section.

Estimated monthly pumping rates and extraction volumes between September and December 2005 for each of the ten wells comprising Configuration 3 are listed in Table 5–2. As with Configuration 1, these quantities were developed using only data collected when wellhead meters were operating properly. As a result, the listed extraction volumes are considered sufficiently accurate to develop rough estimates of contaminant mass withdrawals on a per-well basis.

As indicated in Table 5–2, well 673 yielded the largest quantity of ground water between September and December 2005 (~ 555,000 gallons), and well 674 provided the smallest volume (~ 337,000 gallons). Though the difference between these volumes might suggest problems with well efficiency in well 674, this is not the case. In fact, none of the Configuration 3 wells was pumped at a sufficiently large rate that production was limited. Rather the differences estimated pumped volumes for well 673 and 674 are better explained by accuracy problems encountered with wellhead flow meters during the early weeks of full system operation.

*Table 5–2. Monthly Average Pumping Rates and Extraction Volumes at Configuration 3 Extraction Wells, September through December 2005*

| Month | Well 670 | | Well 671 | | Well 672 | | Well 673 | | Well 674 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) |
| Sept 2005 | 5.31 | 142,068 | 7.33 | 166,894 | 6.65 | 198,484 | 7.46 | 204,706 | 4.62 | 56,036 |
| Oct 2005 | 4.49 | 205,122 | 5.63 | 253,400 | 4.41 | 203,243 | 5.05 | 230,394 | 3.73 | 171,630 |
| Nov 2005 | 2.20 | 87,870 | 2.12 | 84,425 | 2.24 | 89,380 | 2.28 | 90,608 | 2.09 | 82,761 |
| Dec 2005 | 2.15 | 27,701 | 2.19 | 27,723 | 2.06 | 26,378 | 2.25 | 29,078 | 2.10 | 26,393 |
| **Avg / Total** | **3.98** | **462,761** | **4.84** | **532,442** | **4.42** | **517,485** | **4.83** | **554,786** | **3.11** | **336,820** |

| Month | Well 675 | | Well 676 | | Well 677 | | Well 678 | | Well 679 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) | Q (gpm) | Vol (gal) |
| Sept 2005 | 7.05 | 134,613 | 6.77 | 105,369 | 6.67 | 108,200 | 7.03 | 144,061 | 6.63 | 146,288 |
| Oct 2005 | 5.10 | 232,670 | 4.62 | 210,746 | 4.45 | 205,667 | 5.06 | 231,092 | 4.89 | 223,712 |
| Nov 2005 | 2.69 | 106,803 | 2.29 | 90,984 | 2.13 | 84,774 | 2.80 | 111,244 | 2.16 | 86,330 |
| Dec 2005 | 2.62 | 33,736 | 2.26 | 29,160 | 2.20 | 27,941 | 2.87 | 36,562 | 2.11 | 27,462 |
| **Avg / Total** | **4.59** | **507,822** | **3.98** | **436,259** | **3.96** | **426,582** | **4.64** | **522,959** | **4.21** | **483,792** |

Average monthly pumping rates at each well (Table 5–2) and average per-well pumping rates for the September through December 2005 period (Figure 5–4) indicates that, in general, all wells in the Configuration 3 system were equally productive in 2005. Average pumping rates ranged from 3.1 (well 674) to 4.8 gpm (well 673). With the exception of well 674, each well was pumped at an average four-month pumping rate of at least 4 gpm. This small range of values reflects the fact that pumping rates were not affected by saturation thickness limitations (i.e., the wells were not pumped at high enough rates to use all available drawdown).

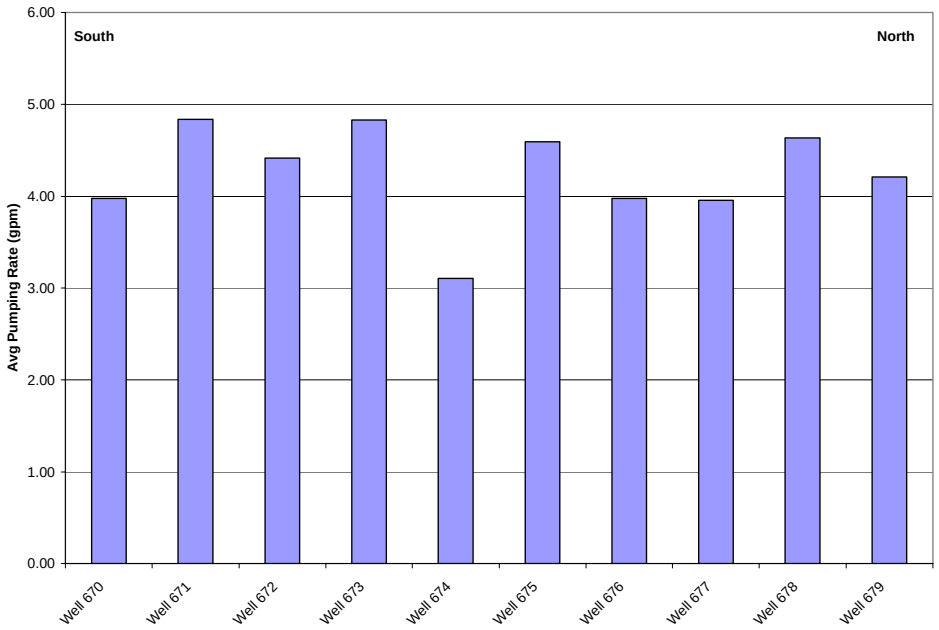



*Figure 5–4. Average Pumping Rates from Configuration 3 Wells Between September and December 2005*

Table 5–2 shows that the average per-well pumping rate at Configuration 3 was 6.6 gpm in September, 4.7 gpm in October, and about 2.3 gpm in November and December 2005. These rates show how deliveries to the treatment system were gradually lowered in response to reduced evaporation capacity in the evaporation pond and smaller volume requirements for the sprinkler treatment system. The sprinkler system was shut down for the winter on November 22nd.

While the Configuration 3 system was in full operation during the last three months of 2005, Colorado River flows ranged from approximately 3,200 to 4,600 cfs. Such low and relatively steady flows did not appear to affect Configuration 3 well production.

Like Configuration 1, discrepancies were observed between the total pumped volume recorded by a totalizer meter the comparable quantity based on readings at individual wellhead meters. The totalizer meter indicated a total volume of extracted ground water for the 2005 pumping season of approximately 5.6 million gallons, whereas the sum of volumes at individual extraction well was 4.8 million gallons.

More complete hydraulic data for each well in the Configuration 3 system are provided in Appendix B−3.

## 5.2 Measured Drawdowns and Implications

### 5.2.1 Configuration 1

The ability of Configuration 1 extraction wells to capture shallow ground water migrating toward the Colorado River during 2005 was assessed by examining water elevation data collected from nearby observation wells (Figure 3–1. To account for the effects of effects of changing river stage, continuously monitored ground water elevations at observation wells were compared to equivalent water level information collected from background well 406, located just north of the Baseline Area (Figure 3–4). Well 406 lies approximately 30 ft west of the edge of the floodplain and is screened between 13 and 18 ft bgs. As with observation wells in the Baseline Area, water levels in well 406 are not affected by IA operations.

Figure 5–5 presents a plot of measured ground water levels at observation well 554 during 2005 along with comparable water elevations from background well 406. The data shown for well 406 in this figure have been adjusted so that both wells are assigned the same starting water level on February 15, 2005, when pumping from Configuration 1 first began. Differences between the two curves at later dates indicate that drawdowns of about 0.5 to 1 ft were often generated in the area of well 554 as a result of Configuration 1 pumping. Appendix B−4 contains similar plots for all of the Configuration 1 observation wells whose water levels were continuously monitored during the study period. The water level data used to prepare these plots are contained in Table C−1 of Appendix C.

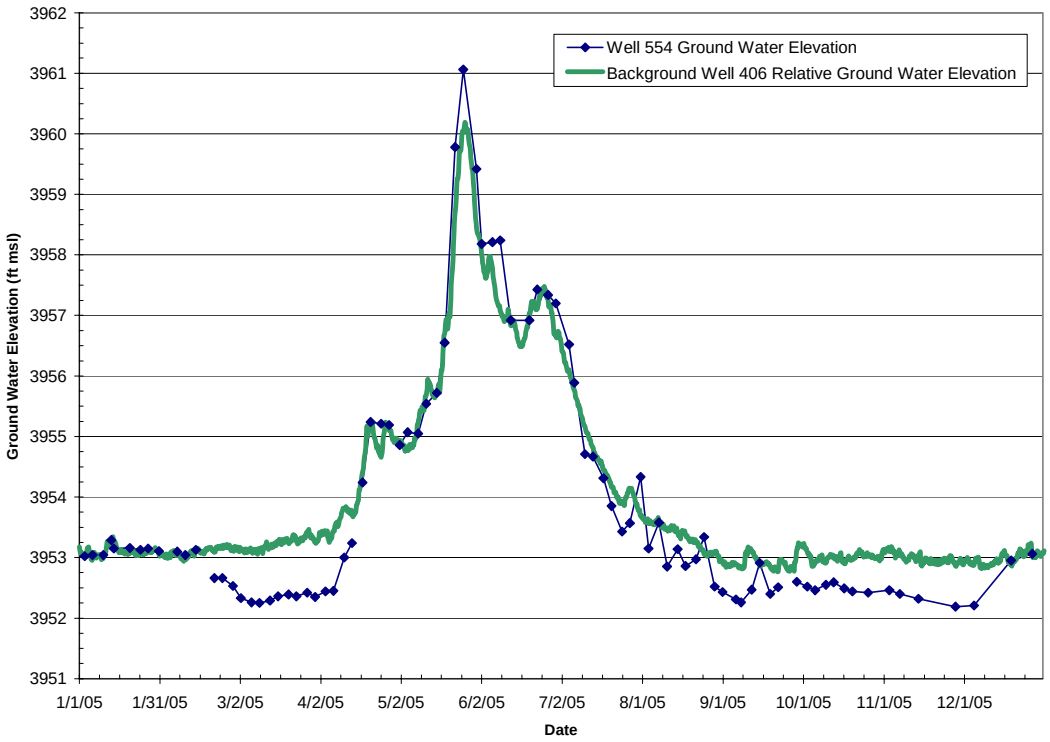



*Figure 5–5. Ground Water Elevations at Observation Well 554 and Background Well 406 During 2005*

Both Figure 5–5 and the additional temporal plots in Appendix B−4 show that it becomes difficult to gage observation well drawdowns during months of high runoff in the river. The peak flow in the river in 2005 was 39,500 cfs (on May 25th), which was approximately twice the average annual peak flow. During the month leading up to the peak and for a few months following it, little, if any drawdown due to pumping, could be discerned using temporal graphs of water elevation.

Using the graphical method described above, measured drawdowns at numerous wells located at different distances from the extraction well system's axis were examined to assess the zone of influence created by Configuration 1 pumping. This exercise was carried out for two separate times, March 31st/April 1st and November 14th, which were selected to represent conditions prior to and after high spring runoff in the river, respectively. The resulting computed drawdowns are presented in Table 5–3, along with ancillary information describing each well's screened interval and location relative to the extraction well system. As expected, shallow observation wells located close to the extraction system show the largest drawdowns. The wells screened below 30 ft bgs (482, 485, 557, 558, 560, and 561) do not appear to respond to pumping. Overall, the data presented in Table 5–3 suggest that the drawdowns created by ground water extraction at Configuration 1 wells are discernible as far as 35 ft upgradient of the extraction system and about 70 ft downgradient of the system.

*Table 5–3. Measured Drawdowns at Configuration 1 Observation Wells*

| Well | Relative Location | Distance from Well Field Axis (ft) | Screen Interval (ft bgs) | Measured Drawdown (ft) | |
|---|---|---|---|---|---|
| | | | | Mar 31/Apr 1, 2005 | Nov 14, 2005 |
| 0403 | Downgradient | 56 | 13.3−18.2 | 0.6 | 0.4 |
| 0407 | Downgradient | 38 | 13.3−18.3 | 0.5 | 0 |
| 0480 | Upgradient | 23 | 15.5−19.8 | 1.0 | 0.6 |
| 0481 | Upgradient | 26 | 25.4−29.7 | 0.2 | 0.3 |
| 0482 | Upgradient | 26 | 55.4−59.7 | 0 | 0 |
| 0483 | Downgradient | 11 | 15.5−19.8 | 1.1 | 0.8 |
| 0484 | Downgradient | 11 | 25.5−29.8 | 0.5 | 0.3 |
| 0485 | Downgradient | 19 | 55.6−59.9 | 0 | 0 |
| 0551 | Off southern end | 30 | 10.3−20.3 | 0.4 | 0 |
| 0552 | Upgradient | 30 | 10.2−20.2 | 0.7 | 0.4 |
| 0553 | Downgradient | 8 | 10.6−20.5 | 0.9 | 0.6 |
| 0554 | Downgradient | 15 | 10.4−20.4 | 0.9 | 0.7 |
| 0555 | Upgradient | 34 | 10.2−20.1 | 0.5 | 0.6 |
| 0556 | Off northern end | 30 | 10.2−20.1 | 0.7 | 0.6 |
| 0557 | Upgradient | 30 | 35.0−45.0 | 0 | 0.1 |
| 0558 | Downgradient | 23 | 35.0−45.0 | 0 | 0 |
| 0559 | Downgradient | 68 | 10.5−20.5 | 0.5 | 0.1 |
| 0560 | Downgradient | 60 | 30.0−40.0 | 0 | 0 |
| 0561 | Downgradient | 60 | 45.2−55.2 | 0 | 0 |
| 0596 | Downgradient | 60 | 15.3−25.3 | na | 0 |

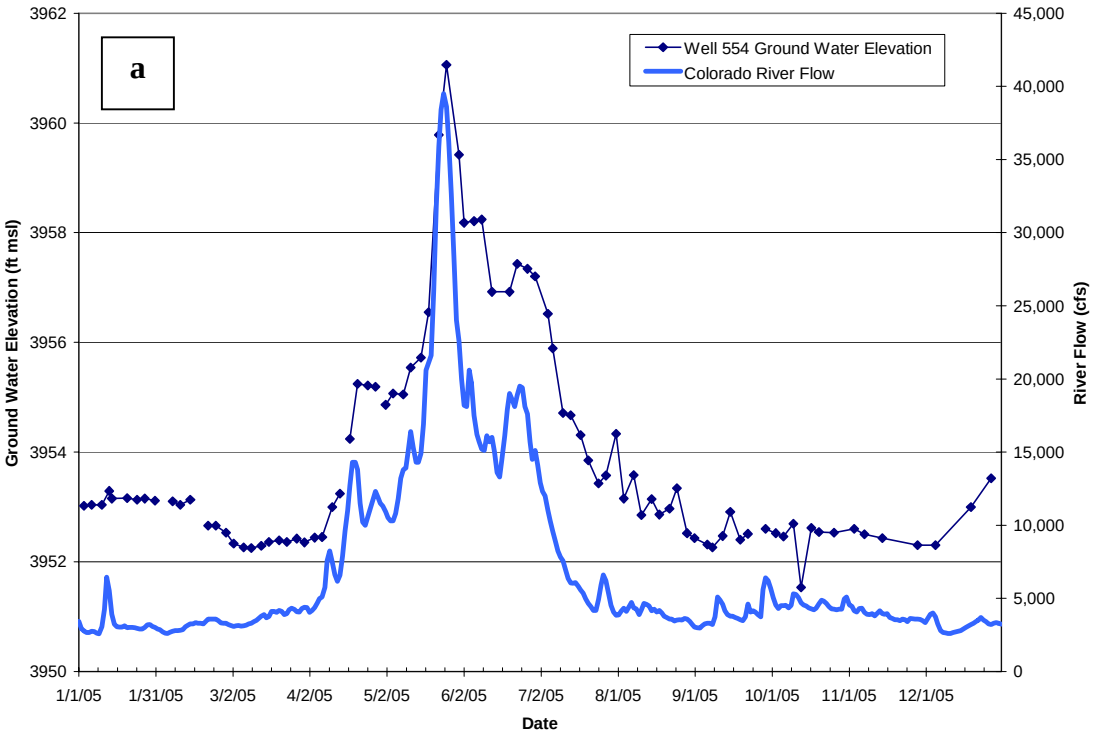
na = not applicable; well 0596 was not installed until June 2005

Temporal changes in ground water elevation at Configuration 1 observation wells were also graphically compared to Colorado River flows and the total pumping rate from Configuration 1 wells in an attempt to assess the degree with which these variables affected measured water level. Example graphs showing these comparisons for observation well 554 are presented in Figure 5–6. These plots suggest that ground water levels in shallow ground water respond strongly to changes in river flow, particularly during the high runoff months in spring and summer. In contrast, water level responses to changes in the system's total pumping rate appear to be mild.

Similar graphs similar to those shown in Figure 5–6 for well 554 are presented in Appendix B−4 for additional Configuration 1 wells.

### 5.2.2 Configuration 3

The zone of hydraulic influence associated with Configuration 3 extraction wells was also assessed using ground water elevation data from individual observation wells and comparable data from background well 406. The Configuration 3 assessment took into account measured water levels between early August 2005, shortly after installation of the system, and the first week in December, when the system was shut down for the winter.



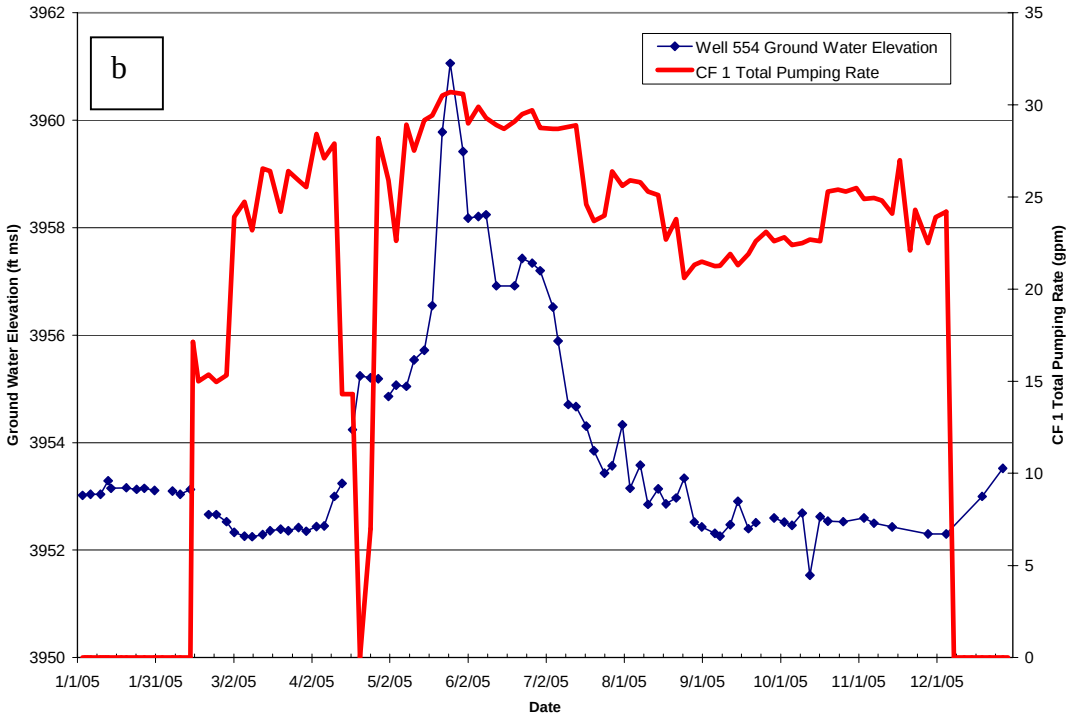




*Figure 5–6. Ground Water Elevations at Observation Well 554 and: (a) Colorado River Flows, (b) Total Pumping Rates at Configuration 1*

Figure 5–7 shows one of the plots resulting from the assessment of Configuration 3 drawdowns. In this case, water elevations at well 404, as determined from hand-measured depths to ground water, are compared to well 406 water levels that have been adjusted to match well 404 data in early August. As this figure suggests, ground water extraction at Configuration 3 appears capable of producing drawdowns on the order of 2.5 to 3 ft in the vicinity of the extraction wells. The drawdown variations indicated in Figure 5–7 mostly reflect changes in the average pumping rate at Configuration 3 during the last four months of 2005. The extraction wells were initially pumped at an average per-well rate of 6.6 gpm, but this rate was reduced to 2.3 gpm on October 17th. As previously mentioned, river flows during late 2005 were relatively low and steady, and did not appear to significantly impact water levels in IA observation wells.

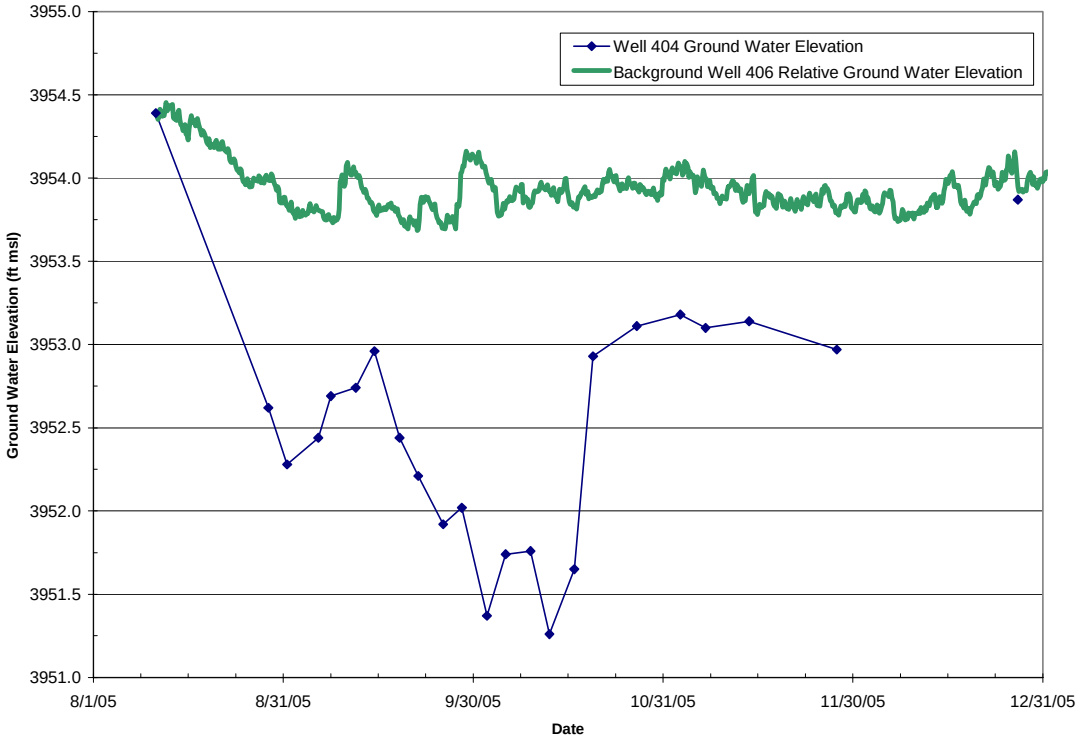



*Figure 5–7. Ground Water Elevations at Observation Well 404 and Background Well 406 During 2005*

Similar graphs to the one presented in Figure 5–7 are included in Appendix B−5 for the additional observation wells associated with Configuration 3. Appendix B−5 also contains graphs showing temporal changes in ground water elevation in comparison to Colorado River flows and total pumping rates from the Configuration 3 system. The water level data used to produce these graphs are presented in Table C−3 of Appendix C.

Using graphs similar to the one in Figure 5–7, measured drawdowns at several Configuration 3 observation wells were examined to assess the zone of influence created by Configuration 3 pumping. Drawdowns were calculated for two separate dates, September 29th and November 14th, to assess the hydraulic impacts associated with two separate full-system pumping rates. The results of this analysis, presented in Table 5–4, indicate that drawdowns in areas located close to the extraction wells typically fall in the range of 0.5 to 2 ft. It is noteworthy

to point out that, unlike Configuration 1, the farthest distance from Configuration 3 extraction wells at which drawdowns could be measured was 30 ft. This was attributed to space limitations, as the Configuration 3 extraction wells are located near a steep riverbank to the east and a short distance separates them from vegetation test plot C5 to the west. The data presented in Table 5–4 suggest that drawdowns created by pumping of Configuration 3 wells are easily discernible at a distance of 25 ft from the extraction well axis and are probably detectable up to 50 ft from the axis.

*Table 5–4. Measured Drawdowns at Configuration 3 Observation Wells*

| Well | Relative Location | Distance from Well System Axis (ft) | Screen Interval (ft bgs) | Measured Drawdown (ft) | |
|---|---|---|---|---|---|
| | | | | Sept 29, 2005 (avg Q = 6.6 gpm) | Oct 27, 2005 (avg Q = 2.3 gpm) |
| 0404 | Downgradient | 8 | 13.0−17.9 | 2.0 | 0.9 |
| 0680 | Upgradient | 15 | 9.9−19.8 | 2.0 | 0.6 |
| 0681 | Downgradient | 23 | 10.2−20.2 | 1.6 | 0.4 |
| 0682 | Upgradient | 26 | 19.6−29.5 | 1.8 | 0.8 |
| 0683 | Upgradient | 23 | 21.2−31.2 | 1.3 | 0.6 |
| 0684 | Upgradient | 23 | 11.3−21.3 | 1.1 | 0.5 |
| 0685 | Off northern end | 30 | 20.0−30.0 | 1.0 | 0.4 |
| 0686 | Downgradient | 15 | 10.0−20.0 | 1.3 | 0.5 |
| 0687 | Downgradient | 20 | 20.0−30.0 | 1.7 | 0.7 |
| 0688 | Downgradient | 20 | 30.6−40.6 | 1.7 | 0.7 |
| 0689 | Downgradient | 20 | 46.0−56.0 | 1.3 | 0.8 |

Q = pumping rate; gpm = gallons per minute

## 5.3 Ground Water Drawdowns During Full System Operation

Measured drawdowns over time in extraction wells can reveal possible changes in well productivity. If drawdowns tend to increase with time while pumping rates remain relatively constant, it is likely that affected pumping wells have gradually become less efficient. The less efficient a well is, the greater the disparity between water levels occurring outside the extraction well casing and those within it. Occasional development of wells by physical or chemical means may be helpful for the purpose of increasing contaminant mass removal and increasing the widths of well field capture zones. The potential for Configurations 1 and 3 to experience changes in productivity is examined in this section using pumping rates from and drawdowns in extraction wells during the full operation of each system.

### 5.3.1 Configuration 1

Drawdowns in Configuration 1 extraction wells during 2005 were computed using the graphical method described in Section 5.2.1 for estimating drawdown in observation wells. This involved the simultaneous plotting of measured water levels in extraction wells and comparable water elevations in background well 406. One of the graphs resulting from this approach, presented in Figure 5–8, shows discernible drawdowns at well 470 during the months leading up to peak runoff in the river and in the months following the peak flow. Unfortunately, water level measurements were not available for well 470 after Configuration 1 pumping was terminated on

December 7th. Had this data been collected, it would have likely shown ground water elevations in the extraction well quickly merging with the adjusted water levels shown for well 406.

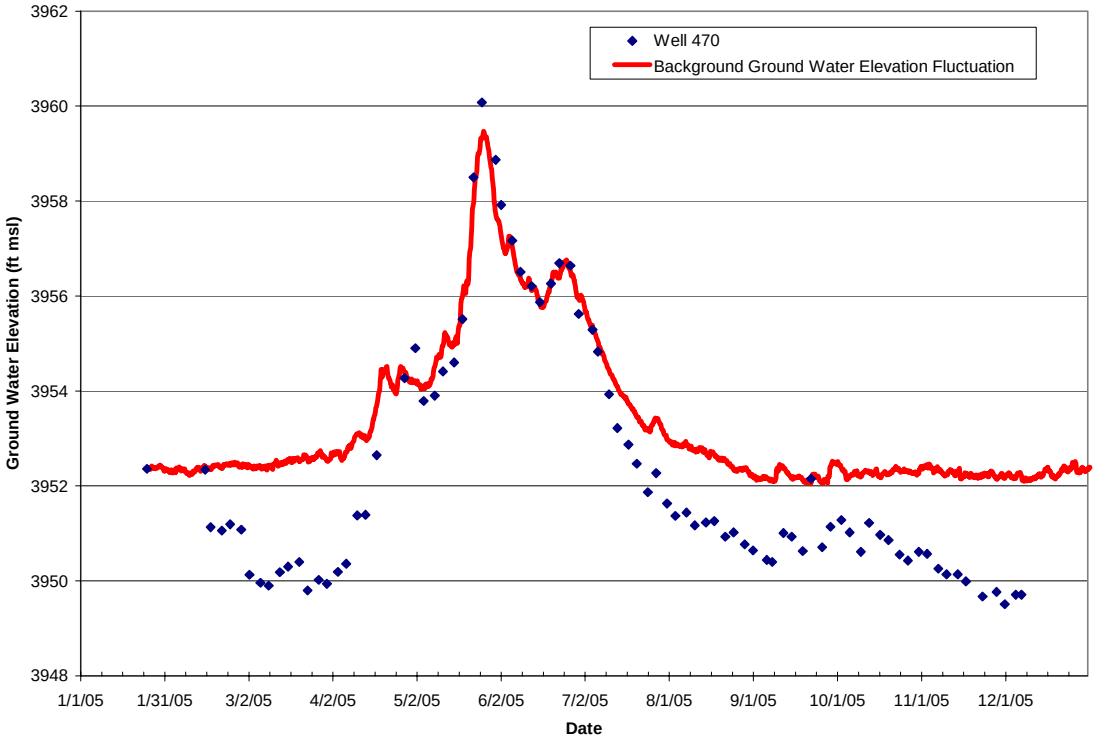



*Figure 5–8. Ground Water Elevations at Extraction Well 470 and Background Well 406 During 2005*

Similar plots to the graph shown in Figure 5–8 were prepared for all nine of the remaining Configuration 1 extraction wells (Appendix B−6). The graphs were used to compute drawdowns in each well at two different times during the pumping season. Drawdowns measured at the first time (March 31) were considered representative ground water conditions shortly after the start of full system pumping and prior to the high spring runoff, whereas drawdowns at the later time (November 28) were considered representative of conditions late in the pumping season and well after the period of high river flows. The resulting drawdowns are presented in Table 5–5 along with corresponding pumping rates at each well. Computed specific capacities using these data are also listed to provide some measure of the interference effects that the extraction wells have on each other when pumped simultaneously.

The data presented in Table 5–5 do not reveal any clear temporal trends or consistent patterns between wells. Of some interest is the fact that specific capacities at some wells appear to be smaller late in the year than they are during the previous April, whereas the reverse is true at other wells. These mixed results are likely the result of several different factors, many of which cannot be readily identified.

*Table 5–5. Computed Drawdowns and Specific Capacities at Configuration 1 Extraction Wells at Two Different Times During 2005*

| Well | Pre-Peak Flow (March 31, 2005) | | | Post-Peak Flow (Nov 28, 2005) | | |
|---|---|---|---|---|---|---|
| | Pumping Rate (gpm) | Measured Drawdown (ft) | Spec Cap (gpm/ft) | Pumping Rate (gpm) | Measured Drawdown (ft) | Spec Cap (gpm/ft) |
| 0470 | 4.6 | 2.6 | 1.8 | 4.1 | 2.4 | 1.7 |
| 0471 | 3.1 | 2.4 | 1.3 | 3.1 | 2.6 | 1.2 |
| 0472 | 2.8 | 1.8 | 1.6 | 2.4 | 1.7 | 1.4 |
| 0473 | 1.5 | 3.9 | 0.4 | 2.6 | 2.8 | 0.9 |
| 0474 | 0.4 | 1.6 | 0.3 | 1.0 | 1.3 | 0.8 |
| 0475 | 3.0 | 3.2 | 0.9 | 2.7 | 2.8 | 1.0 |
| 0476 | 2.8 | 1.2 | 2.3 | 2.7 | 2.6 | 1.0 |
| 0477 | 2.7 | 3.2 | 0.8 | 1.9 | 2.1 | 0.9 |
| 0478 | 1.9 | 2.9 | 0.7 | 1.8 | 3.3 | 0.5 |
| 0479 | 2.2 | 2.8 | 0.8 | 1.7 | 2.0 | 0.9 |
| **Average** | | | **1.1** | **Average** | | **1.0** |

Spec Cap = specific capacity; gpm = gallons per minute; ft = feet; gpm/ft = gallons per minute per foot.

The computed specific capacities of Configuration 1 wells when all wells are being pumped (Table 5–5) are smaller than specific capacities determined from step-drawdown testing of individual extraction wells immediately after they were installed in 2003 (3.1 to 4.4 gpm/ft). This difference is attributed partly to the additive effects of drawdown created by pumping multiple wells at the same time and partly to a gradual decrease in well efficiencies over the course of the 2004 pumping season (DOE 2005b). However, the range of specific capacity values listed in Table 5–5 (0.3−2.3 gpm/ft) is similar to an equivalent range of values computed during the late months of the 2004 pumping season (0.45−1.4 gpm/ft). This latter observation indicates that Configuration 1 well efficiencies did not decline during 2005, and may have increased in some cases.

The water level data used to prepare Figure 5–8, similar graphs in Appendix B−6, and the data included in Table 5–5, are contained in Table D−1 of Appendix D.

### 5.3.2 Configuration 3

Drawdowns occurring in Configuration 3 wells during full-scale operation of this system were examined using similar techniques to those applied to Configuration 1 wells (Section 5.3.1). Figure 5–9 illustrates the resulting water levels measured at one of the Configuration 3 wells (well 670) along with adjusted water elevations at background well 406. As this figure shows, water level data from well 470 were not available after December 7th, when the system was shut down for the winter; it is assumed that water elevations in this well quickly merged with those from well 406 after this date. Appendix B−7 includes similar plots to the one in Figure 5–9 for the remaining Configuration 3 extraction wells. The water level data used to prepare the temporal plots are presented Table D−3 of Appendix D.

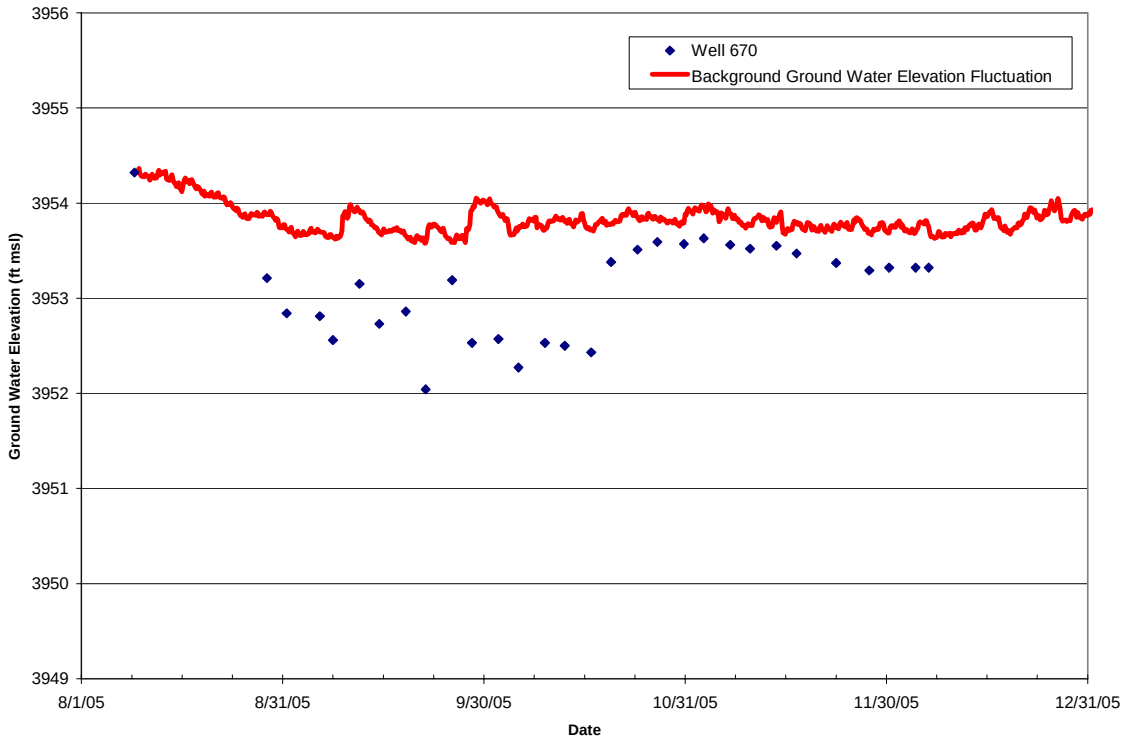



*Figure 5–9. Ground Water Elevations at Extraction Well 670 and Background Well 406 During 2005*

In an effort to discern the effects of Configuration 3 pumping on well efficiencies, drawdowns for each extraction well were examined at two different times. Computed drawdowns on October 13th were considered representative of the system under relatively high pumping rates (per-well average = 6.5 gpm), whereas equivalent values on October 27th were considered representative of low rates (per-well average = 2.3 gpm). The resulting drawdowns, pumping rates, and computed specific capacities at each well are presented in Table 5–6.

*Table 5–6. Estimates of Specific Capacity Estimates From Pre and Post-Runoff Pumping Time Periods*

| Well | High Pumping Rate (Oct 13, 2005) | | | Low Pumping Rate (Oct 27, 2005) | | |
|---|---|---|---|---|---|---|
| | Pumping Rate (gpm) | Measured Drawdown (ft) | Spec Cap (gpm/ft) | Pumping Rate (gpm) | Measured Drawdown (ft) | Spec Cap (gpm/ft) |
| 0670 | 6.3 | 1.3 | 4.8 | 2.2 | 0.3 | 7.3 |
| 0671 | 8.4 | 2.9 | 2.9 | 2.1 | 0.6 | 3.5 |
| 0672 | 6.1 | 3.4 | 1.8 | 2.3 | 1.2 | 1.9 |
| 0673 | 7.3 | 3.8 | 1.9 | 2.2 | 1.3 | 1.7 |
| 0674 | 5.6 | 3.5 | 1.6 | 2.1 | 1.4 | 1.5 |
| 0675 | 7 | 4.1 | 1.7 | 2.7 | 2.4 | 1.1 |
| 0676 | 6.5 | 2.9 | 2.2 | 2.3 | 1.6 | 1.4 |
| 0677 | 6.3 | 2.5 | 2.5 | 2.1 | 1.3 | 1.6 |
| 0678 | 6.9 | 3.2 | 2.2 | 2.7 | 2 | 1.4 |
| 0679 | 7.1 | 2.3 | 3.1 | 2.2 | 1.3 | 1.7 |
| **Average** | | | **2.5** | **Average** | | **2.3** |

Spec Cap = specific capacity; gpm = gallons per minute; ft = feet; gpm/ft = gallons per minute per foot.

The average specific capacities listed in Table 5–6 (2.5 and 2.3 gpm/ft) are significantly smaller than comparable values determined from step-drawdown tests conducted in August 2005 (11.7 to 13.1 gpm/ft [Section 3.5.2]). Much of this decrease can be explained by the additive effects of drawdowns produced by multiple wells pumping at the same time. On October 13th, these additive effects appeared to be manifested in the form of smaller specific capacities at wells located near the center of the extraction system. Regardless of the effects of full-system pumping on specific capacities, none of the drawdowns observed in the Configuration 3 wells during 2005 approached values that could lead to limited pumping rates.

Though not definitive, the results shown in Table 5–6 suggest that specific capacities had a tendency to be lower under the reduced pumping rates applied in late October 2005. This result was somewhat surprising given that specific capacities of wells generally increase with decreasing pumping rates. Continued testing of the wells in 2006 will help to identify reasons for this unexpected result.

# 6.0 Contaminant Mass Removal

## 6.1 Configuration 1

### 6.1.1 Ammonia Mass

The masses of ammonia removed from ground water by the pumping of Configuration 1 extraction wells and well PW02 during 2005 were estimated by multiplying the monthly extraction volumes presented in Table 5–1 by corresponding concentrations of $NH_3$-N measured in each well. The concentrations used in these calculations were drawn from analytical data presented in Table E−1 of Appendix E.

The resulting monthly estimates of ammonia mass removed by Configuration 1 wells are listed in Table 6–1. As expected, the largest mass quantities were associated with the three wells with the highest average flow rates (wells 470, 471, and 478), and the smallest amount of mass removed from ground water was observed at the well with the lowest average rate (well 474). The ten Configuration 1 wells (470 through 479) removed an estimated total of 11,262 kilograms (kg) of $NH_3$-N during 2005.

The monthly ammonia masses removed by pumping well PW02 (Table 6–1) were considerably larger than comparable values for Configuration 1 extraction wells. This was attributed to the combined effects of the higher rate at which well PW02 was pumped (see Section 5.1.1) and the higher $NH_3$-N concentrations observed at this well. The total ammonia mass removed from ground water at well PW02 between April and December 2005 was about 24,000 kg, about double the mass extracted at Configuration 1 wells.

The capacity of Configuration 1 wells to deliver ammonia mass to the IA treatment system was greatly reduced during the period of high runoff in the Colorado River between April and June 2005. As indicated in Table 6–1, temporary bank storage of river water during these months caused ammonia concentrations in local ground water to decrease substantially, which in turn reduced each extraction's wells ability to remove ammonia mass from site ground water. In contrast, the capacity of PW02 to remove ammonia mass did not appear to be affected by the high river flows because it is located farther inland from the river. This result indicates that greater removal of ammonia mass can be achieved at the Moab Site using extraction wells located closer to the tailings pile than the IA wells.

### 6.1.2 Uranium Mass

Estimated masses of uranium removed from ground water during 2005 by pumping of Configuration 1 extraction wells and well PW02 (Table 6–2) were developed using the same techniques applied to ammonia. The ten Configuration 1 wells removed an estimated total of 66.7 kg of uranium mass from ground water during 2005. As with ammonia, extracted masses of uranium were generally proportional to the pumping rates achieved at individual extraction wells.

*Table 6–1. Estimated Ammonia Mass Withdrawals at Configuration 1 Extraction Wells and Well PW02 During 2005*

| Month | Well 470 | | Well 471 | | Well 472 | | Well 473 | | Well 474 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) |
| Feb 2005 | 880 | 20 | 850 | 22 | 710 | 13 | 580 | 29 | 450 | 0.3 |
| Mar 2005 | 850 | 570 | 990 | 509 | 820 | 299 | 650 | 115 | 570 | 20 |
| Apr 2005 | 150 | 76 | 190 | 61 | 140 | 32 | 170 | 2 | 280 | 6 |
| May 2005 | 40 | 18 | 70 | 25 | 40 | 13 | 60 | 2 | 110 | 3 |
| June 2005 | 61 | 37 | 170 | 81 | 220 | 88 | 290 | 107 | 320 | 38 |
| July 2005 | 340 | 195 | 660 | 296 | 680 | 240 | 510 | 185 | 470 | 72 |
| Aug 2005 | 430 | 266 | 630 | 302 | 640 | 232 | 370 | 151 | 400 | 67 |
| Sept 2005 | 410 | 243 | 560 | 261 | 380 | 122 | 230 | 75 | 310 | 35 |
| Oct 2005 | 400 | 265 | 530 | 271 | 360 | 130 | 210 | 78 | 280 | 30 |
| Nov 2005 | 400 | 236 | 490 | 238 | 350 | 125 | 220 | 79 | 270 | 29 |
| Dec 2005 | 450 | 89 | 540 | 85 | 410 | 47 | 260 | 30 | 380 | 17 |
| **Total** | | **2,016** | | **2,150** | | **1,343** | | **852** | | **318** |

| Month | Well 475 | | Well 476 | | Well 477 | | Well 478 | | Well 479 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) |
| Feb 2005 | 390 | 21 | 360 | 0.2 | 390 | 5 | 470 | 20 | 500 | 30 |
| Mar 2005 | 390 | 18 | 390 | 70 | 360 | 146 | 420 | 131 | 400 | 150 |
| Apr 2005 | 270 | 64 | 210 | 31 | 170 | 34 | 310 | 106 | 200 | 26 |
| May 2005 | 95 | 35 | 81 | 29 | 100 | 30 | 110 | 93 | 69 | 7 |
| June 2005 | 310 | 131 | 230 | 93 | 260 | 83 | 280 | 270 | 150 | 47 |
| July 2005 | 360 | 137 | 240 | 93 | 260 | 75 | 470 | 381 | 330 | 89 |
| Aug 2005 | 320 | 132 | 220 | 85 | 250 | 74 | 370 | 197 | 300 | 75 |
| Sept 2005 | 260 | 95 | 210 | 72 | 240 | 66 | 390 | 173 | 330 | 78 |
| Oct 2005 | 250 | 106 | 200 | 81 | 250 | 79 | 400 | 196 | 350 | 102 |
| Nov 2005 | 250 | 100 | 230 | 75 | 210 | 61 | 290 | 109 | 260 | 67 |
| Dec 2005 | 310 | 40 | 240 | 19 | 200 | 19 | 310 | 11 | 310 | 25 |
| **Total** | | **878** | | **648** | | **673** | | **1,688** | | **697** |

| Month | Well PW02 | |
|---|---|---|
| | $NH_3$-N Conc (mg/L) | Mass Removed (kg) |
| Apr 2005 | 1,400 | 4,362 |
| May 2005 | 1,300 | 5,202 |
| June 2005 | 1,000 | 4,436 |
| July 2005 | 960 | 2,342 |
| Aug 2005 | 880 | 2,669 |
| Sept 2005 | 880* | 1,683 |
| Oct 2005 | 880* | 915 |
| Nov 2005 | 920 | 1,997 |
| Dec 2005 | 900 | 665 |
| **Total** | | **24,271** |

*PW02 data not available during Sept and Oct 2005; masses based on August 2005 concentrations

*Table 6–2. Estimated Uranium Mass Withdrawals at Configuration 1 Extraction Wells and Well PW02 During 2005*

| Month | Well 470 | | Well 471 | | Well 472 | | Well 473 | | Well 474 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) |
| Feb 2005 | 3.2 | 0.1 | 2.8 | 0.1 | 2.6 | 0.0 | 2.3 | 0.1 | 1.9 | 0.0 |
| Mar 2005 | 2.7 | 1.8 | 2.3 | 1.2 | 2.1 | 0.8 | 2.4 | 0.4 | 1.9 | 0.1 |
| Apr 2005 | 0.53 | 0.3 | 0.51 | 0.2 | 0.68 | 0.2 | 0.89 | 0.0 | 0.96 | 0.0 |
| May 2005 | 0.47 | 0.2 | 0.59 | 0.2 | 0.53 | 0.2 | 0.48 | 0.0 | 0.52 | 0.0 |
| June 2005 | 0.56 | 0.3 | 0.8 | 0.4 | 0.96 | 0.4 | 1.2 | 0.4 | 1.3 | 0.2 |
| July 2005 | 1.6 | 0.9 | 2.1 | 0.9 | 2.1 | 0.7 | 3 | 1.1 | 3.7 | 0.6 |
| Aug 2005 | 2.2 | 1.4 | 2.6 | 1.2 | 2.9 | 1.1 | 3.5 | 1.4 | 3.9 | 0.7 |
| Sept 2005 | 2.1 | 1.2 | 2.4 | 1.1 | 2.6 | 0.8 | 2.4 | 0.8 | 2.7 | 0.3 |
| Oct 2005 | 2.1 | 1.4 | 2.5 | 1.3 | 2.7 | 1.0 | 2.3 | 0.9 | 2.5 | 0.3 |
| Nov 2005 | 2.2 | 1.3 | 2.6 | 1.3 | 2.7 | 1.0 | 2.4 | 0.9 | 2.8 | 0.3 |
| Dec 2005 | 2.2 | 0.4 | 2.5 | 0.4 | 2.3 | 0.3 | 2.4 | 0.3 | 2.6 | 0.1 |
| **Total** | | **9.4** | | **8.2** | | **6.4** | | **6.3** | | **2.5** |

| Month | Well 475 | | Well 476 | | Well 477 | | Well 478 | | Well 479 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) |
| Feb 2005 | 1.4 | 0.1 | 1.3 | 0.0 | 1.4 | 0.0 | 1.3 | 0.1 | 1.3 | 0.1 |
| Mar 2005 | 1.6 | 0.1 | 1.6 | 0.3 | 1.4 | 0.6 | 1.3 | 0.4 | 1.2 | 0.5 |
| Apr 2005 | 1.1 | 0.3 | 0.85 | 0.1 | 0.84 | 0.2 | 1.1 | 0.4 | 0.69 | 0.1 |
| May 2005 | 0.73 | 0.3 | 0.68 | 0.2 | 0.59 | 0.2 | 0.73 | 0.6 | 0.72 | 0.1 |
| June 2005 | 1.6 | 0.7 | 2 | 0.8 | 2.1 | 0.7 | 1.6 | 1.5 | 0.9 | 0.3 |
| July 2005 | 3.9 | 1.5 | 3.7 | 1.4 | 3.1 | 0.9 | 2.7 | 2.2 | 1.9 | 0.5 |
| Aug 2005 | 3.3 | 1.4 | 2.7 | 1.0 | 3.1 | 0.9 | 2.8 | 1.5 | 2 | 0.5 |
| Sept 2005 | 2.3 | 0.8 | 2.1 | 0.7 | 2.6 | 0.7 | 2.9 | 1.3 | 2.8 | 0.7 |
| Oct 2005 | 2.2 | 0.9 | 1.9 | 0.8 | 2.2 | 0.7 | 2.9 | 1.4 | 2.6 | 0.8 |
| Nov 2005 | 2.5 | 1.0 | 2.3 | 0.7 | 2.7 | 0.8 | 2.7 | 1.0 | 2 | 0.5 |
| Dec 2005 | 2.3 | 0.3 | 1.8 | 0.1 | 2.1 | 0.2 | 2.5 | 0.1 | 1.8 | 0.1 |
| **Total** | | **7.3** | | **6.3** | | **5.8** | | **10.5** | | **4.1** |

| Month | Well PW02 | |
|---|---|---|
| | U Conc (mg/L) | Mass Removed (kg) |
| Apr 2005 | 2 | 6.2 |
| May 2005 | 1.8 | 7.2 |
| June 2005 | 2 | 8.9 |
| July 2005 | 2.2 | 5.4 |
| Aug 2005 | 2.3 | 7.0 |
| Sept 2005 | 2.3 | 4.4 |
| Oct 2005 | 2.3 | 2.4 |
| Nov 2005 | 2.4 | 5.2 |
| Dec 2005 | 2.4 | 1.8 |
| **Total** | | **48.4** |

*PW02 data not available during Sept and Oct 2005; masses based on August 2005 concentrations

Pumping of well PW02 between April and December 2005 resulted in an estimated additional 48.4 kg of uranium mass being delivered to the IA treatment system. In contrast to ammonia, this quantity was only about 72 percent of the uranium mass extracted at Configuration 1 wells. This latter observation was attributed to the fact that uranium concentrations in ground water withdrawn from well PW02 were generally of the same magnitude as those measured at Configuration 1 wells. Uranium concentrations at well PW02 were largely constant throughout the pumping season and did not decrease in response to high Colorado River flows between April and June 2005.

## 6.2 Configuration 3

### 6.2.1 Ammonia Mass

The masses of ammonia removed from ground water by the pumping of Configuration 3 remediation wells during 2005 were estimated by multiplying the monthly extraction volumes presented in Table 5–2 by corresponding concentrations of $NH_3$-N measured in each well. The concentrations used in these calculations were drawn from analytical data presented in Table E−3 of Appendix E.

The resulting estimates of ammonia mass removal (Table 6–3) indicated that a total of 9,942 kg of $NH_3$-N were extracted from ground water at Configuration 3 wells between September and December 2005. This quantity represented almost 90 percent of the ammonia mass removed from ground water at Configuration 1 wells between February and December 2005. The apparently greater capacity of the Configuration 3 system to extract ammonia was attributed to the higher pumping rates attained with these wells.

*Table 6–3. Estimated Ammonia Mass Withdrawals at Configuration 3 Extraction Wells During 2005*

| Month | Well 670 | | Well 671 | | Well 672 | | Well 673 | | Well 674 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) |
| Sept 2005 | 400 | 215 | 520 | 329 | 690 | 518 | 770 | 597 | 670 | 142 |
| Oct 2005 | 290 | 225 | 520 | 499 | 720 | 554 | 650 | 567 | 610 | 396 |
| Nov 2005 | 180 | 60 | 420 | 134 | 490 | 166 | 650 | 223 | 590 | 185 |
| Dec 2005 | 300 | 31 | 440 | 46 | 580 | 58 | 650 | 72 | 620 | 62 |
| **Total** | | **532** | | **1,008** | | **1,296** | | **1,458** | | **785** |

| Month | Well 675 | | Well 676 | | Well 677 | | Well 678 | | Well 679 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) | $NH_3$-N Conc (mg/L) | Mass Removed (kg) |
| Sept 2005 | 570 | 290 | 380 | 152 | 700 | 287 | 630 | 344 | 490 | 271 |
| Oct 2005 | 470 | 414 | 450 | 359 | 630 | 490 | 610 | 534 | 560 | 474 |
| Nov 2005 | 440 | 178 | 410 | 141 | 640 | 205 | 600 | 253 | 430 | 141 |
| Dec 2005 | 510 | 65 | 440 | 49 | 650 | 69 | 610 | 84 | 610 | 63 |
| **Total** | | **947** | | **700** | | **1,051** | | **1,214** | | **950** |

A bar graph of estimated total ammonia mass removals at individual Configuration 3 wells (Figure 6–1) shows that the least amount of mass was withdrawn from well 670, the southernmost well in the remediation system. This result was attributed primarily to the ammonia concentrations in water pumped from well 670, which were consistently lower than comparable concentrations measured at the other extraction wells (Table 5–3). These low concentrations appear to have been caused by dilution associated with freshwater injection in the Configuration 2 remediation system located just to the south of well 670.

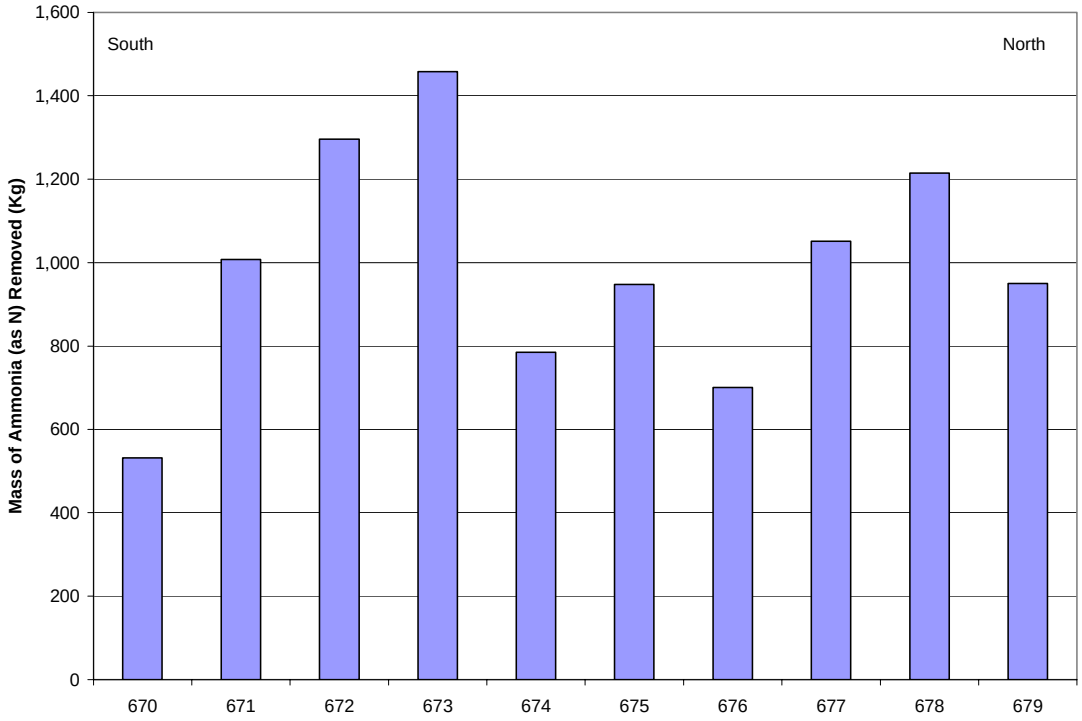



*Figure 6–1. Estimated Ammonia Mass Removals at Configuration 3 Wells During 2005*

### 6.2.2 Uranium Mass

Estimated mass withdrawals of uranium at Configuration 3 extraction wells (Table 6–4) indicate that a total of 50.8 kg of uranium was removed by this system between September and December 2005. This quantity, which represents almost 75 percent of the uranium mass withdrawn from ground water by Configuration 1 wells between February and December 2005, provides further evidence that the higher pumping rates achieved at Configuration 3 lead to more efficient removal of contaminant mass. As with ammonia, the lowest uranium mass removal was observed at well 670 (Figure 6–2), the southernmost extraction well in the Configuration 3 system. Again, this result is attributed to dilution by freshwater injected in nearby Configuration 2 wells.

*Table 6–4. Estimated Uranium Mass Withdrawals at Configuration 3 Extraction Wells During 2005*

| Month | Well 670 | | Well 671 | | Well 672 | | Well 673 | | Well 674 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) |
| Sept 2005 | 2.2 | 1.2 | 2.1 | 1.3 | 2.4 | 1.8 | 2.3 | 1.8 | 2.7 | 0.6 |
| Oct 2005 | 1.5 | 1.2 | 2.7 | 2.6 | 2.2 | 1.7 | 2.4 | 2.1 | 2.6 | 1.7 |
| Nov 2005 | 0.86 | 0.3 | 2.2 | 0.7 | 2.3 | 0.8 | 2.6 | 0.9 | 2.9 | 0.9 |
| Dec 2005 | 1.7 | 0.2 | 2.3 | 0.2 | 2.2 | 0.2 | 2.6 | 0.3 | 2.6 | 0.3 |
| **Total** | | **2.8** | | **4.9** | | **4.5** | | **5.1** | | **3.4** |

| Month | Well 675 | | Well 676 | | Well 677 | | Well 678 | | Well 679 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) | U Conc (mg/L) | Mass Removed (kg) |
| Sept 2005 | 2.7 | 1.4 | 2.8 | 1.1 | 2.7 | 1.1 | 2.9 | 1.6 | 3.6 | 2.0 |
| Oct 2005 | 2.6 | 2.3 | 3.4 | 2.7 | 3.4 | 2.6 | 3.6 | 3.1 | 4.7 | 4.0 |
| Nov 2005 | 2.9 | 1.2 | 3.2 | 1.1 | 3.3 | 1.1 | 3.4 | 1.4 | 4.7 | 1.5 |
| Dec 2005 | 2.6 | 0.3 | 2.9 | 0.3 | 3.3 | 0.3 | 3.5 | 0.5 | 4.3 | 0.4 |
| **Total** | | **5.2** | | **5.3** | | **5.2** | | **6.6** | | **8.0** |

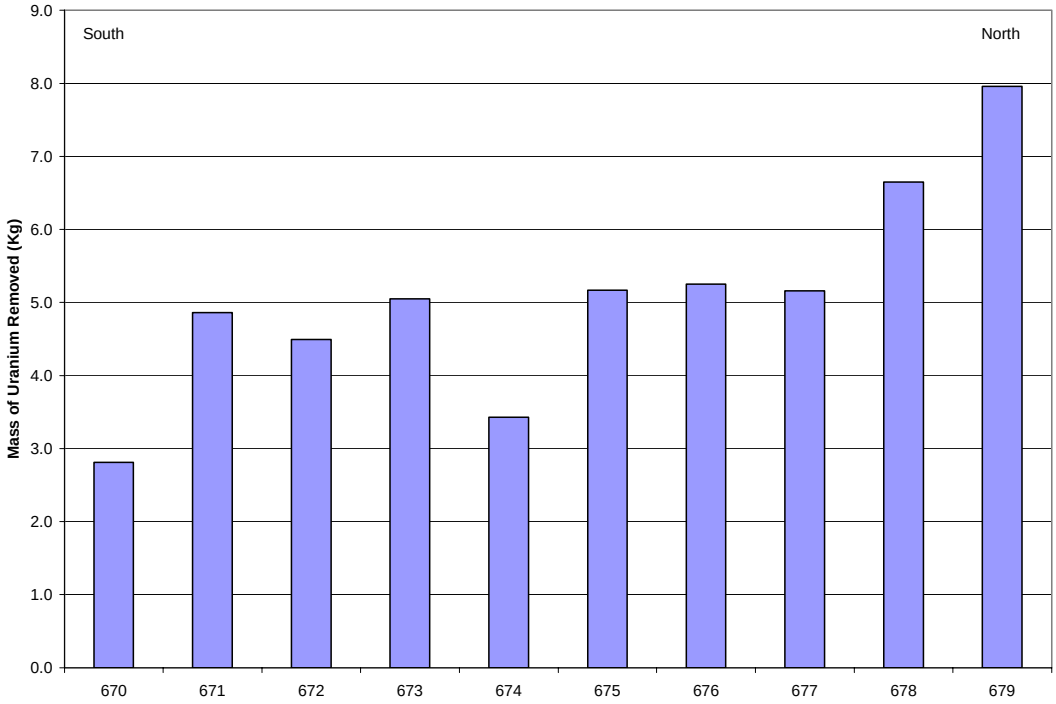



*Figure 6–2. Estimated Uranium Mass Removals at Configuration 3 Wells During 2005*

# 7.0 Treatment System Performance

The main components of the IA treatment system include the remediation wells in Configurations 1, 2, and 3, the evaporation pond on the tailings pile, and the sprinkler system on the tailings pile (Figure 7–1). Ground water extracted at the well field is pumped up the southeast side of the tailings pile to the evaporation pond, which is the source of water for the sprinkler system.

During 2005, the sprinkler system was operated each week on a 7-day work schedule. An increasing rate of decline in the pond level was seen immediately after the sprinkler system was started in late March. Although most of the decrease in pond depth reflected discharge to the sprinkler system, some of the decrease could also be related to the gradual rise in ambient air temperatures that increased evaporation from the pond surface.

## 7.1 Volumes

Table 7–1 summarizes important dates associated with operation of the IA treatment system during 2005. The extraction well pumps were started on February 15, 2005 to maximize the amount of ammonia and uranium mass extracted from ground water at Configurations 1 and 3. The sprinkler system was brought online on March 28, 2005, once the potential for overnight below-freezing temperatures was considered minimal. The system ran through November 28, 2005, and the well field was shut down on December 7, 2005.

*Table 7–1. Important Dates, Evaporation Pond Levels, and Activities Associated with the IA Treatment System During 2005*

| Date | Pond Level (ft) | Activity |
|---|---|---|
| February 15, 2005 | 7.6 | CF1 well field started pumping at ~10 gpm |
| February 28, 2005 | 8.0 | CF1 flow rate increased to ~25 gpm |
| March 28, 2005 | 8.8 | Sprinkler system started operating |
| April 5, 2005 | 7.5 | PW02 added to extraction well system at ~ 24 gpm |
| August 22, 2005 | 5.5 | CF3 system started operating at ~54 gpm |
| August 23, 2005 | 5.5 | Started 100 gpm test (all IA extraction wells) |
| August 26, 2005 | 5.9 | End of 100 gpm test |
| August 29, 2005 | 5.8 | CF3 wells pumping ~ 65 gpm |
| October 17, 2005 | 6.6 | CF3 pumping reduced to ~22 gpm |
| November 28, 2005 | 7.4 | Sprinkler system shut down for winter |
| December 7, 2005 | 8.3 | IA well field shut down for winter |

Figure 7–2 shows a graphical record of well field delivery rates to the evaporation pond, delivery rates from the evaporation pond to the sprinkler system, and pond levels during 2005. The data used to prepare this figure are presented in Appendix F. The delivery rates to the sprinkler system shown in Figure 7–2 were based on flow volumes recorded at meters on sprinkler delivery lines. As indicated in the figure, the pond level stabilized at a depth of about 7.1 ft for a short period of time between May 23 and June 2. During this period, the delivery rate from the

*Figure 7–1. Treatment System Components*

well field remained relatively constant, averaging 54.5 gpm, and the sprinkler system was operated such that the average rate of delivery from the pond to the sprinkler system was 43 gpm. These data make it possible to estimate the evaporation rate from the pond at the time.

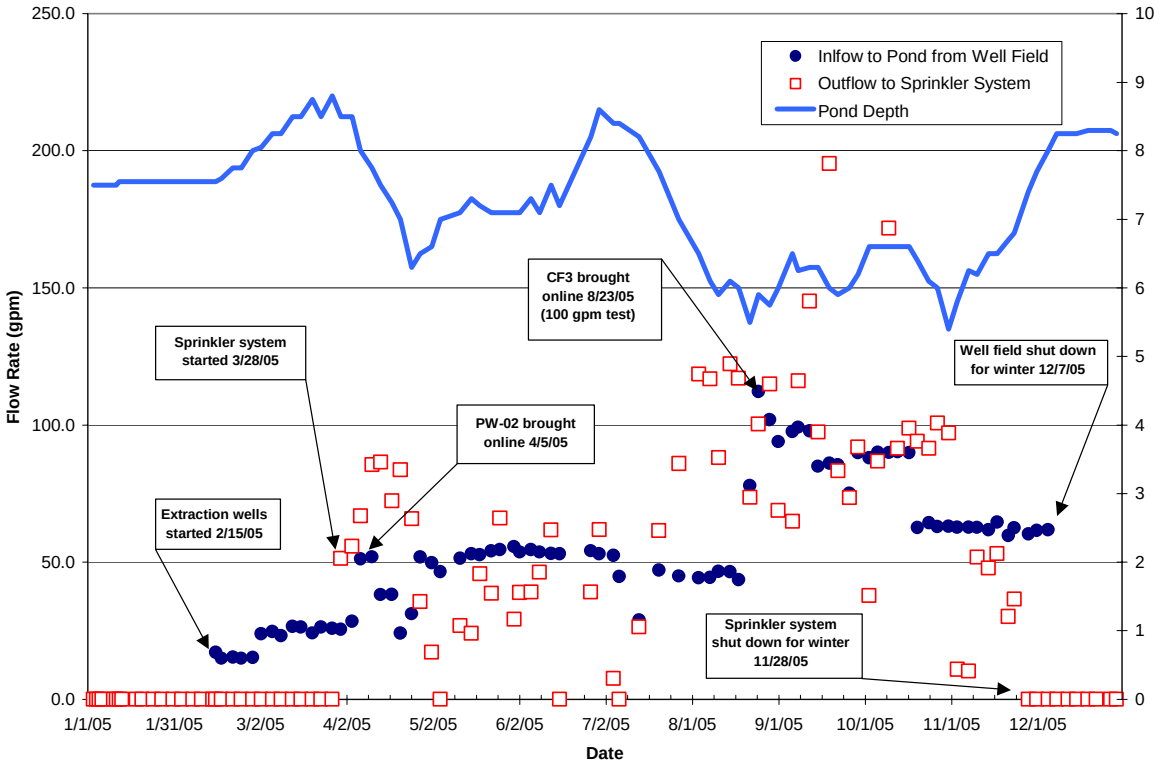



*Figure 7–2. Rates of Water Delivery to the Evaporation Pond and the Sprinkler System and Pond Depths During 2005*

The pond level also stabilized later in the year, between October 3 and October 17, 2005. During this latter period, the pond depth was about 6.6 ft, the average delivery rate to the pond was 89.7 gpm, and the sprinkler system was operated at an average rate of about 97 gpm.

A summary of the monthly water volumes delivered to the evaporation pond and the sprinkler system during 2005 is presented in Table 7–2. This schedule shows the flexibility of the treatment system, as deliveries to the pond exceed sprinkler system rates during some months and the reverse is true during others.

*Table 7–2. Summary of Monthly Water Deliveries to the Evaporation Pond and the Sprinkler System*

| Month | Volume pumped to pond (gals) | Volume pumped to sprinkler system (gals) |
|---|---|---|
| Feb 2005 | 339,696 | 0 |
| Mar 2005 | 932,348 | 222,029 |
| Apr 2005 | 1,578,419 | 2,792,453 |
| May 2005 | 2,228,981 | 1,430,271 |
| June 2005 | 2,737,580 | 1,782,279 |
| July 2005 | 2,093,927 | 1,808,100 |
| Aug 2005 | 2,676,187 | 4,987,500 |
| Sept 2005 | 3,267,181 | 4,654,964 |
| Oct 2005 | 3,608,072 | 4,472,364 |
| Nov 2005 | 2,508,562 | 1,114,229 |
| Dec 2005 | 721,107 | 0 |
| **Total** | **22,692,060** | **23,264,189** |

gals = gallons

## 7.2 Cumulative Mass Withdrawals

Table 7–3 summarizes the total masses of ammonia and uranium removed from the subsurface at the Moab Site in 2005 due IA operations. More detailed data regarding mass removals for the year were previously discussed in Sections 6.1 and 6.2.

*Table 7–3. Summary of Ground Water Volume, Ammonia Mass, and Uranium Mass Removed by IA Ground Water Extraction in 2005*

| Locations / Area | Volume Removed (gal) | Ammonia Mass Removed (kg) | Uranium Mass Removed (kg) |
|---|---|---|---|
| Wells 470 – 479 / Configuration 1 | 11,070,461 | 11,262 | 66.7 |
| Well PW02 / Configuration 1 | 6,046,099 | 24,271 | 48.4 |
| Wells 670 – 679 / Configuration 3 | 5,575,500 | 9,942 | 50.8 |
| **Total Removed by Treatment System** | **22,692,060** | **45,475** | **165.9** |

gal = gallons; kg = kilograms

More ammonia and uranium mass was removed from site ground water during 2005 than was achieved during 2004. This is attributed to a variety of factors, including the large volume of ground water that was extracted in 2005 (~23 million gallons). Both Configuration 1 and 3 and well PW02 contributed to this volume, whereas water deliveries to the treatment system in 2004 were limited to extraction well withdrawals throughout the year and Configuration 2 withdrawals for several weeks. As indicated in Table 7-3, PW02 played a major role in contributing to contaminant mass removal in 2005, providing about 53 percent of the total ammonia mass delivered to the treatment system.

The addition of Configuration 3 extraction wells to the treatment system significantly increased the volume of ground water pumped from the alluvial aquifer. Though ground water extraction at Configuration 3 wells was limited to about 3 months near the end of the year, this system delivered about 25 percent of the total volume of water subjected to treatment in 2005.

## 7.3 Evaporation Pond Inlet and Stored Water Contaminant Concentrations

During the 2005 treatment season, water samples were collected on a monthly basis at the inlet to the evaporation pond (Location 547) and from the pond itself near the evaporation pond recirculation pump (Location 548). Measured concentrations of TDS, ammonia, and uranium at each of these locations are shown in Figure 7–3. The analytical data used to prepare these graphs are included in Table E−4 of Appendix E.

As indicated in Figure 7–3b and Figure 7–3c, ammonia concentrations at the evaporation pond inlet decreased during May and June 2005 when high flows in the Colorado River caused dilution of the water pumped from Configuration 1 wells. In contrast, the impact on TDS concentrations at the pond inlet during this period was relatively minor. TDS, ammonia, and uranium concentrations in pond water during late spring and early summer 2005 were largely unaffected by flow conditions in the river.

Figure 7–3a and Figure 7–3b show TDS and ammonia concentrations at both the pond inlet and the pond itself decreasing after reaching maximum levels in late July 2005. These decreases appear to be partly caused by the addition of the Configuration 3 system to the IA in late August. During the last three months of 2005, TDS and ammonia concentrations in ground water extracted at the Configuration 3 wells were notably smaller than equivalent concentrations at Configuration 1 and PW02. However, because uranium concentrations in Configuration 3 ground water were of the same general magnitude as those observed at Configuration 1 and PW02, levels of uranium at the pond inlet and in the evaporation pond tended to remain relatively high during the last four months of the year (Figure 7–3c).

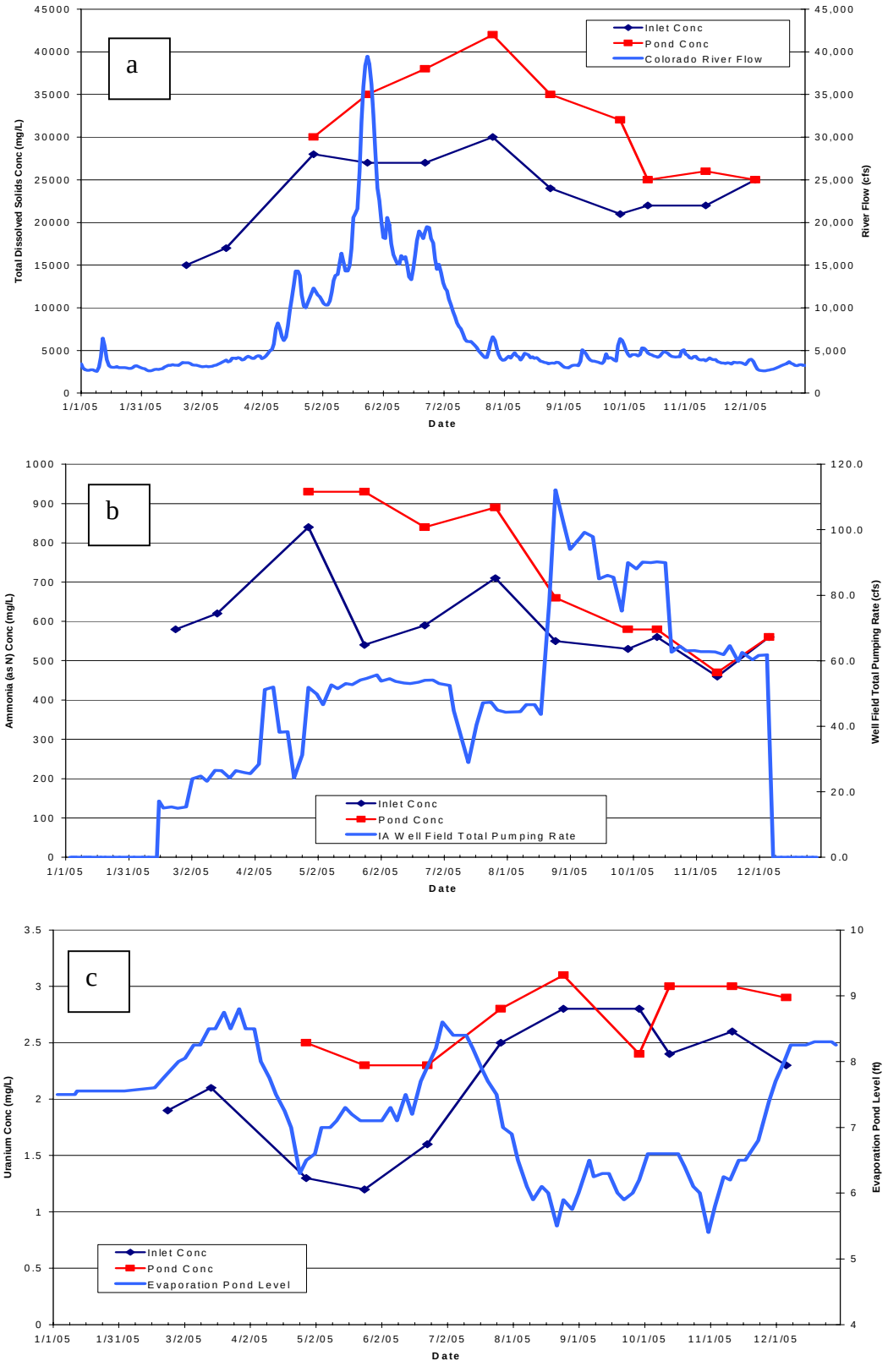



*Figure 7–3. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at the Evaporation Pond Inlet (Location 547) and in the Evaporation Pond (Location 548)*

# 8.0 Baseline Water Chemistry

Data collected during the past few years in the vicinity of the three systems comprising the IA have helped in developing a comprehensive conceptual model of hydrologic processes at the Moab Site. This report section makes use of water quality parameters collected from wells in the vicinity of the IA well field, the Baseline Area, the river, and surrounding locales to develop a description of baseline water chemistry at the site. It is intended that equivalent data collected during the pumping of the Configuration 1 and 3 wells during 2005 can be compared with the baseline conditions described herein to assess the effects of ground water extraction and other hydraulic stresses on water quality.

The chemical data used to characterize baseline conditions consist of both field-measured parameters (e.g., temperature, specific conductance, ORP, and pH) and dissolved concentrations in water samples. In past years, water samples were mostly analyzed for constituents that were either contaminants (i.e., $NH_3$-N and U) or reflective of salinity in local ground water (chloride [Cl], sulfate [$SO_4$], and TDS). However, as part of an effort to better understand ambient chemical processes in local ground water, several new constituents were added in 2005 to the list of monitored water quality parameters. Unfortunately, analysis for these new parameters did not begin until October 2005, relatively late in the study period. Included in this group was bromide concentration (for Cl/Br ratios) and several parameters that might be involved in biologically mediated chemical reactions, such as dissolved nitrite, nitrate, manganese, iron, sulfate, and sulfide. Order-of-magnitude measures of nitrifying bacteria were also monitored in some wells and riverbed piezometers for the purpose of identifying zones of relatively significant nitrification. Parameters reflective of baseline biogeochemical conditions are based on data resulting from the analysis of samples collected in the Baseline Area during October and December 2005.

## 8.1 Surface Water in the Colorado River

"Baseline" conditions for surface water in the Colorado River were considered a vague concept. Past investigations of surface water quality have demonstrated that the chemistry of river water near the site can change significantly both in space and over time, due to both natural and site-related phenomena. Much of this spatial and temporal variability depends on the very dynamic nature of the river, which not only experiences changes in flow during the course of each year as well as between years, but also undergoes constant changes in channel morphology. Thus one of the purposes of this report section was to merely provide rough estimates of the average river water chemistry upstream of the site and the ranges that some water quality parameters can exhibit in upstream portions of the river. It was assumed that comparisons between such data and measures of water quality in local portions of the river potentially affected by discharge of contaminated water would shed light on the extent to which the discharge can alter surface water chemistry. In addition, surface water quality data was sought that would, to some degree or another, illustrate how ambient discharge of contaminated water from the site during low river flow conditions can affect constituent concentrations in both side channels and the main river channel. The intent of this latter exercise was to demonstrate, if possible, how ground water extraction might alter such ambient states.

### 8.1.1 Cisco Gaging Station

Baseline conditions for water in the Colorado River considered totally unaffected by the Moab Site were developed using water chemistry data provided by the U.S Geological Survey for the Cisco gaging station (Station No. 09180500), located about 35 miles upriver of the site. The resulting summary of relevant surface water chemistry is presented in Table 8–1, which consists mostly of ranges for key chemical parameters and their mean values during the years 1996 through 2000. This summary indicates that concentrations of ammonia, nitrate, nitrite, and uranium in the river are relatively low. In contrast, DO concentrations in the river are quite high, as they tend to hover near saturation concentrations of this constituent of about 9 to 11 mg/L. Of some note is the observation that DOC concentrations in the river are also relatively high, averaging about 7 mg/L. Measured levels of pH in the river indicate slightly basic conditions.

*Table 8–1. Summary of Water Chemistry in the Colorado River at the Cisco Gaging Station, 1996−2000*

| Analyte (units) | Range | Mean |
|---|---|---|
| Alkalinity (mg/L as $CaCO_3$) | 76−171 | 129 |
| Ammonia as Nitrogen (mg/L) | 0.01−0.11 | 0.03 |
| Bromide[a] (mg/L) | 0.2−0.7 | 0.37 |
| Chloride (mg/L) | 11.1−125 | 62.3 |
| Dissolved Oxygen (mg/L) | 6.8−13.3 | 8.7 |
| Dissolved Organic Carbon (DOC) (mg/L) | 1.5−130 | 7.09 |
| Dissolved (Ferrous) Iron | 0.003−0.022 | 0.009 |
| Manganese (mg/L) | 0.001−0.007 | 0.004 |
| Nitrate as Nitrogen (mg/L) | 0.14−1.00 | 0.42 |
| Nitrite as Nitrogen (mg/L) | 0.01−0.03 | 0.012 |
| Orthophosphate | 0.001−0.019 | 0.007 |
| pH (standard units) | 7.6−8.5 | 8.3 |
| Sulfate (mg/L) | 58−561 | 202 |
| Temperature (Degrees Celsius) | 10−25 | 15 |
| Total Dissolved Solids (mg/L) | 208−965 | 586 |
| Uranium (mg/L) | 0.001−0.007 | 0.004 |

[a]Bromide data collected during the years 1963−1965.

Bromide concentration data were not available for the Cisco gaging station during the 1996−2000 period. Consequently, Cl/Br ratios were developed for river water using chloride and bromide data collected at the site during the 3 years 1963−1965. This exercise indicated that Cl/Br ratios in the river typically range between 200 and 500.

### 8.1.2 Surface Water Locations at the Moab Site

As previously discussed, selection of baseline salinity and contaminant concentrations for surface water locations adjacent to the Moab Site was not straightforward because of the variable dilution effects that changing river flows have on dissolved constituent levels. Nonetheless, it was important to establish some measure of baseline surface water concentrations for some chemical parameters in side channels so that any potential effects of ground water extraction during 2005 on them could be discerned. Analysis of historical concentration data from samples collected at several surface water monitoring locations revealed that data from monitoring location 0216 (Figure 3–1) in January 2005 could be used to develop a rough sense of surface

water chemistry downgradient of Configuration 1 during non-pumping periods. At the time of sampling, the Configuration 1 extraction wells had been shut down for about a month. Comparable sets of data for the Configuration 3 and Baseline areas were not available. Data collected from surface water monitoring location 0243 at two separate times in late 2005 (Figure 3–4) were used to represent baseline water chemistry in the river downgradient of the Baseline Area. Though this part of the river is potentially affected by contaminants in ground water discharging from the site, dilution of dissolved constituents is significant here even during low flow conditions because the sampling location is in the main river channel where water velocities tend to be high.

Table 8–2 lists the resulting chemistry parameters used to represent baseline conditions in surface water near the Moab Site. Though ammonia and uranium are observed in the side channel at Configuration 1 (location 0216) at levels reflective of contamination, the listed concentrations are considerably lower than peak concentrations that have been measured for these constituents at this location. The low concentrations for $NH_3$-N, uranium, and other ions at the Baseline Area (location 0243) do indicate significant dilution of ground water contamination if site-related contaminants are indeed discharging here.

*Table 8–2. Baseline Water Quality Parameters in Surface Water Downgradient of Configuration 1 (0216) and the Baseline Area (0243)*

| Analyte (units) | Location 0216 | Location 0243 | |
|---|---|---|---|
| | 27-Jan-05 | 12-Oct-05 | 8-Dec-05 |
| Alkalinity (mg/L as $CaCO_3$) | 250 | 164 | NA |
| Ammonia as Nitrogen (mg/L) | 57 | 0.1 | 0.32 |
| Bromide (mg/L) | NA | 0.4[a] | 0.4[a] |
| Chloride (mg/L) | 670 | 92 | 150 |
| Dissolved Oxygen (mg/L) | NA | 10.4 | 12.8 |
| Oxidation-Reduction Potential (mV) | 40.3 | 29 | 110 |
| pH (standard units) | 8 | 8.2 | 8.3 |
| Sulfate (mg/L) | 1,900 | 350 | 290 |
| Temperature (Degrees Celsius) | 8.8 | 14.1 | 1.9 |
| Total Dissolved Solids (mg/L) | 3,800 | 790 | 840 |
| Uranium (mg/L) | 0.5 | 0.007 | 0.01 |

NA = Not available
[a]Concentration at detection limit.

## 8.2 Spatial Distributions in Ground Water

As mentioned in Section 2.0, the spatial distribution of key chemical parameters was examined using cross-sectional depictions of measured concentrations. Four cross-sections, whose locations are shown in Figure 8–1, were selected to synthesize multidimensional depictions of baseline values for each of the three analytes TDS, ammonia, and uranium. Because bromide concentration data were not available for the site prior to October 2005, when both Configuration 1 and 3 wells were being pumped to remove contaminants, assessment of spatially distributed Cl/Br ratios under baseline conditions was limited to two sections that only included data unaffected by the pumping.

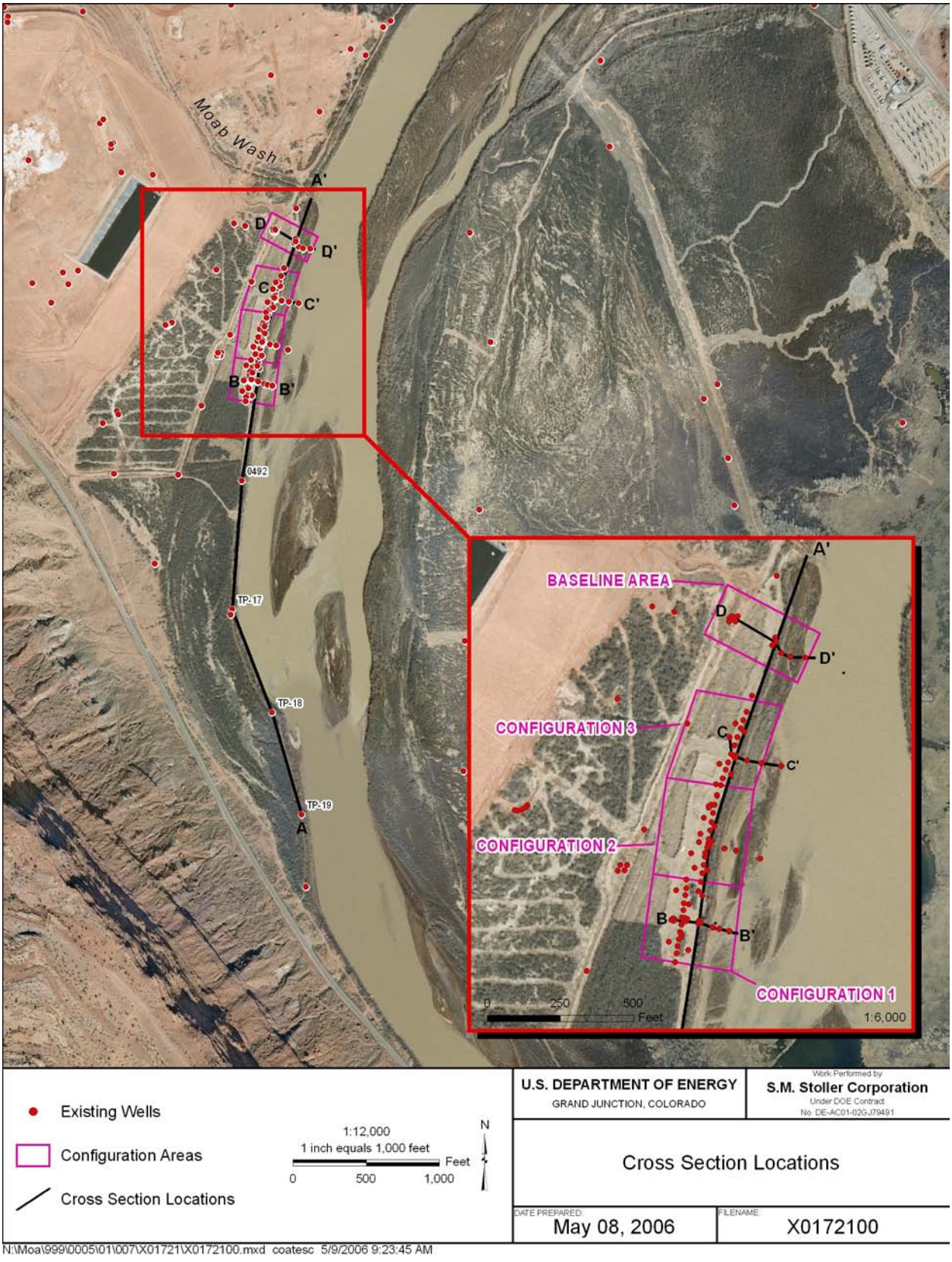



*Figure 8–1. Cross Section Locations*

### 8.2.1 Total Dissolved Solids

Depiction of baseline TDS levels in ground water along a line located just west of and parallel to the Colorado River (Section A-A' in Figure 8–1) was partly accomplished using TDS concentrations measured in August 2004 (Figure 1–1). Pumping was ongoing at Configuration 1 wells at the time, but Configuration 2 wells had not yet been tested and Configuration 3 was not in place. Thus TDS levels measured in samples from wells located south of Configuration 1 (i.e., wells 492, TP-17, TP-18, TP-19) could be used to characterize salinity both near the site's south boundary and farther south. In addition data collected in the Configuration 2 and Baseline areas were considered unaffected by pumping at this time. To assess baseline salinity in the vicinity of Configuration 1, TDS data collected in January 2005 from three monitoring wells located downgradient of the system's extraction wells were posted on the section paralleling the river. At that time, the Configuration 1 extraction wells had been shut down for about a month. Assessment of baseline salinity in the Configuration 3 area was based on data from four wells near the edge of the floodplain in August and September 2005, prior to full-scale ground water extraction at this system in October 2005.

A few obvious conclusions can be drawn from inspection of baseline TDS concentrations along Section A-A' (Figure 8–2). First, the largest TDS concentrations, in the range of 100,000 to 110,000 mg/L, are observed in relatively shallow ground water in the southern one-third of the section. These results correlate with earlier observations of brine in shallow ground water in this area and strongly support the hypothesis that virtually no ground water is flowing toward the river south of the Moab Site (see Section 4.2.1). Second, the greatest depths to the brine surface are observed in the vicinities of Configuration 3 (estimated at 65 ft bgs) and the Baseline Area (~ 55 ft bgs). Depths to the brine surface in the Configuration 1 and 2 areas (~ 25 to 30 ft bgs) are intermediate between those observed to the south and the north. It should be noted, however, that the January 2005 data used to characterize baseline conditions in the Configuration 1 area might have exhibited residual effects of pumping from this system's wells through part of December 2004. As a consequence, the TDS levels shown in Figure 8–2 for the two deepest Configuration 1 observation wells (wells 560 and 561) are possibly larger than would have been observed if local ground water was allowed to recover over a several-month period.

To assess possible baseline distributions of salinity in a direction orthogonal to the river, plots of measured TDS concentration were generated for southeastward-trending sections at Configurations 1 and 3 and the Baseline Area, the locations for which (B-B', C-C', and D-D') are shown in Figure 8–1. In accordance with the development of baseline TDS levels for Section A-A' (Figure 8–2), the Configuration 1 and 3 cross sections were based on data from sampling in January 2005 and August and September 2005, respectively. Though the Baseline Area cross section was developed partly on the basis of August 2004 information, TDS data collected in October and November 2005 were used to portray baseline conditions in the well cluster located about 160 ft from the steep bank (wells PZ1S, PZ1M, PZ1D, and PW-01) at the edge of the floodplain. This latter step, taken due to a lack of data for this cluster in 2004, was based on the assumption that TDS levels in wells moderately far from the river would remain relatively constant over time during low flow periods in the Colorado River. The resulting TDS plots for Sections B-B', C-C', and D-D', are presented in Figure 8–3, Figure 8–4, and Figure 8–5, respectively. These spatial depictions of TDS levels include data from both ground water wells and riverbed piezometers.

In addition to illustrating some of the more obvious findings from the plot of TDS concentrations along the section paralleling the river (Figure 8–2), the southeastward-trending sections appear to support earlier findings regarding changes in brine surface elevation with distance from the river. For example, the TDS information presented for Configuration 1 (Figure 8–3) suggests that depth to the brine surface in observation wells upgradient of the well field is close to 40 ft bgs and approaches a much shallower depth of about 25 ft bgs in a well cluster located close to the steep bank that marks the east edge of the floodplain. In the vicinity of the Baseline Area (Figure 8–5), TDS data from the well cluster located about 160 ft west of the steep bank suggests that the brine surface is close to 60 ft bgs, whereas its depth close to the steep bank is about 50 to 55 ft bgs. Similar trends for the brine surface in the Configuration 3 area (Figure 8–4) cannot be determined because none of the wells along Section C-C' is deep enough to encounter brine.

The southeastward trending sections also illustrate how depth to the brine surface is relatively shallow in the Configuration 1 area, and is much deeper in the Configuration 3 area (brine concentrations are not detected) and the Baseline Area. Reasons for these variations are not immediately obvious. Limited lines of evidence are available for attributing greater brine depths to phenomena such as increased ground water flow toward the river or greater depth to the top of the Paradox Formation (see Section 4.3.1). However, the distance from the observation wells used to estimate brine surface elevation to flowing water in the river does appear to provide a logical argument for the variations in depth to brine. For example, the relatively short distance of about 50 ft separating the 559/560/561/596 well cluster at Configuration 1 from surface water in the river side channel (Figure 8–3) suggests that convergent flow toward and focused discharge to the side channel is the cause for the shallower brine surface in this area. In contrast, the river side channels in the Configuration 3 and Baseline areas are dry under baseline conditions (Figure 8–4 and Figure 8–5), resulting in respective distances of about 130 and 170 ft or more between well clusters on the floodplain and the main river channel, where discharge to surface water occurs. The dry side channels and greater distance to surface water in these latter two cases appear to be caused by river sedimentation processes, as discussed earlier in Section 4.3.1 and illustrated in Figure 4–3b.

Of some interest is the relatively low TDS concentration of 3,600 mg/L shown for shallow well 559 in the Configuration 1 area. This value appears to be a vestige of pumping during 2004, when induced infiltration of surface water from the side channel downgradient of Configuration 1 led to dilution of ground water near shallow observation wells in the area (DOE 2005b).

TDS concentrations measured in Configuration 1 piezometers in January 2005 (Figure 8–3) also display residual effects of pumping during the previous month. The TDS levels in piezometers 562 and 563 (2,000 and 3,600 mg/L, respectively), on the west side of the river side channel, are very close in magnitude to the previously mentioned TDS concentration of 3,600 mg/L at shallow well 559. In addition, the measured TDS level at surface water location 0216 in the side channel at this time is also 3,800 mg/L, suggesting that a large portion of the surface water here consisted of ground water that had resumed discharging to the river after Configuration 1 pumps were shut down in December 2004. The January 2005 concentrations of TDS at riverbed piezometers 564 and 565 in the Configuration 1 area are also relatively low (650 and 1,800 mg/L, respectively). These latter values indicate past mixing with river water, although the manner with which such mixing took place cannot be discerned soley from concentration data.

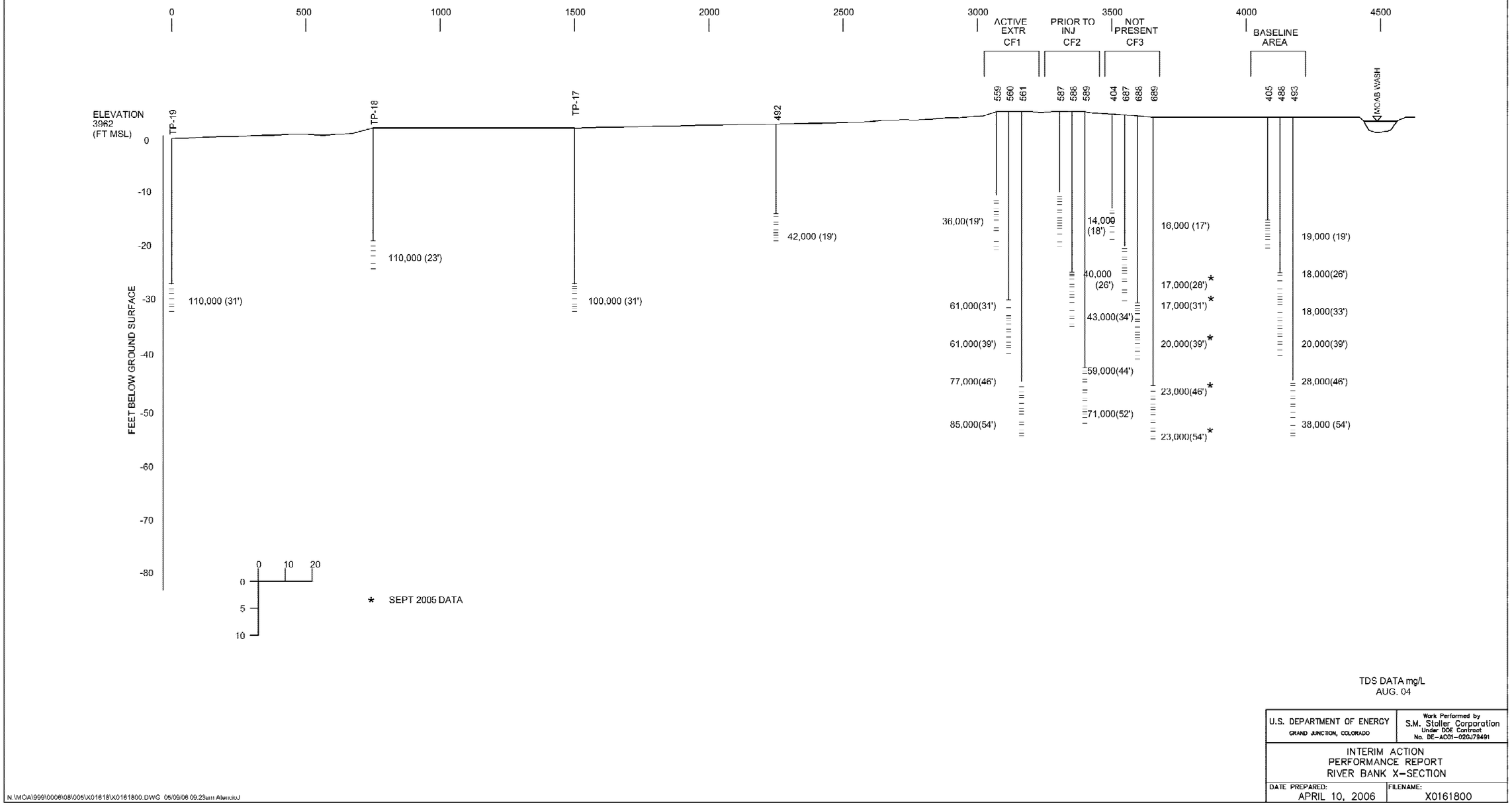



*Figure 8–2. Baseline Concentrations of TDS Along Section A-A' Parallel to the Colorado River*

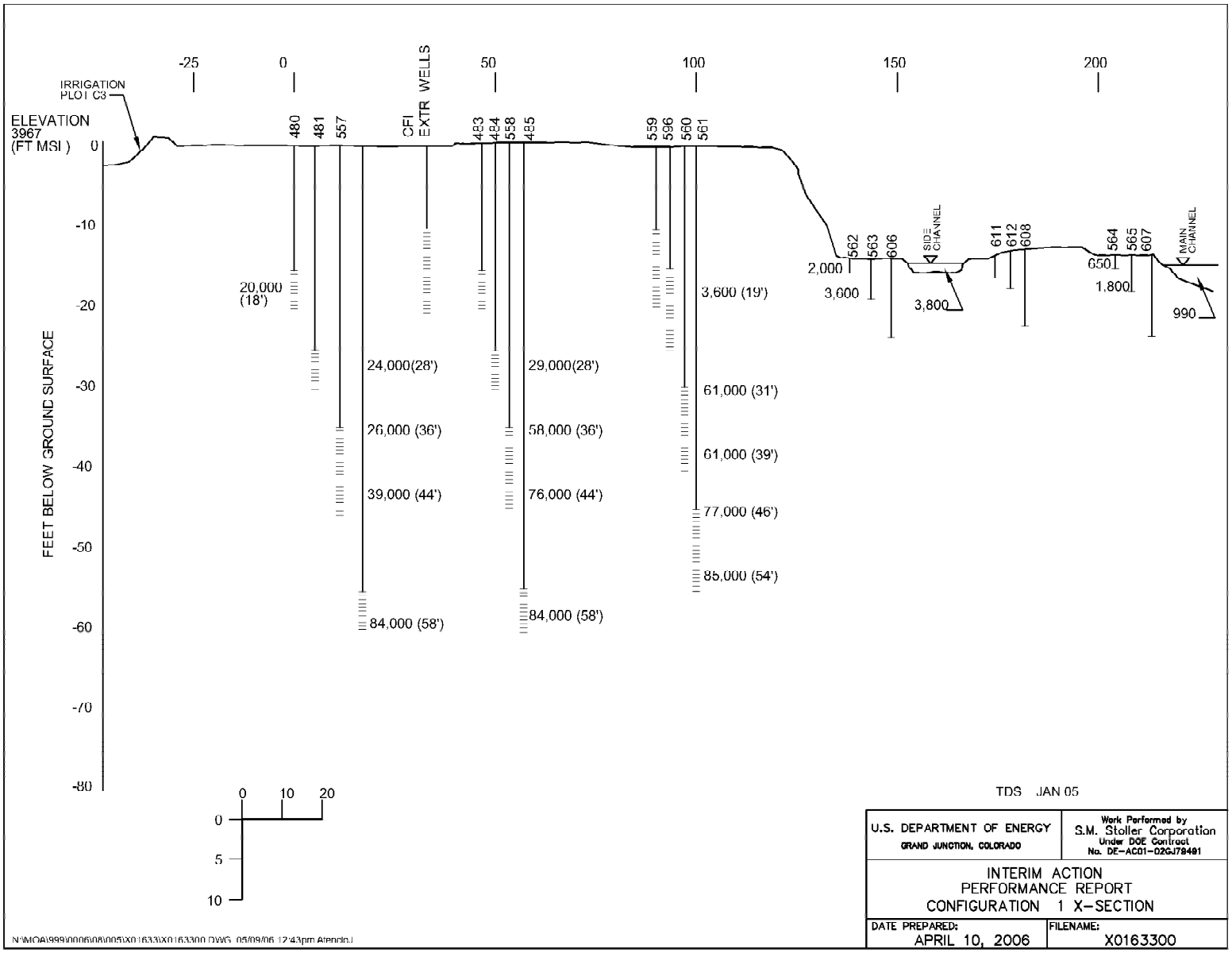



*Figure 8–3. Baseline Concentrations of TDS Along Section B-B' at Configuration 1*

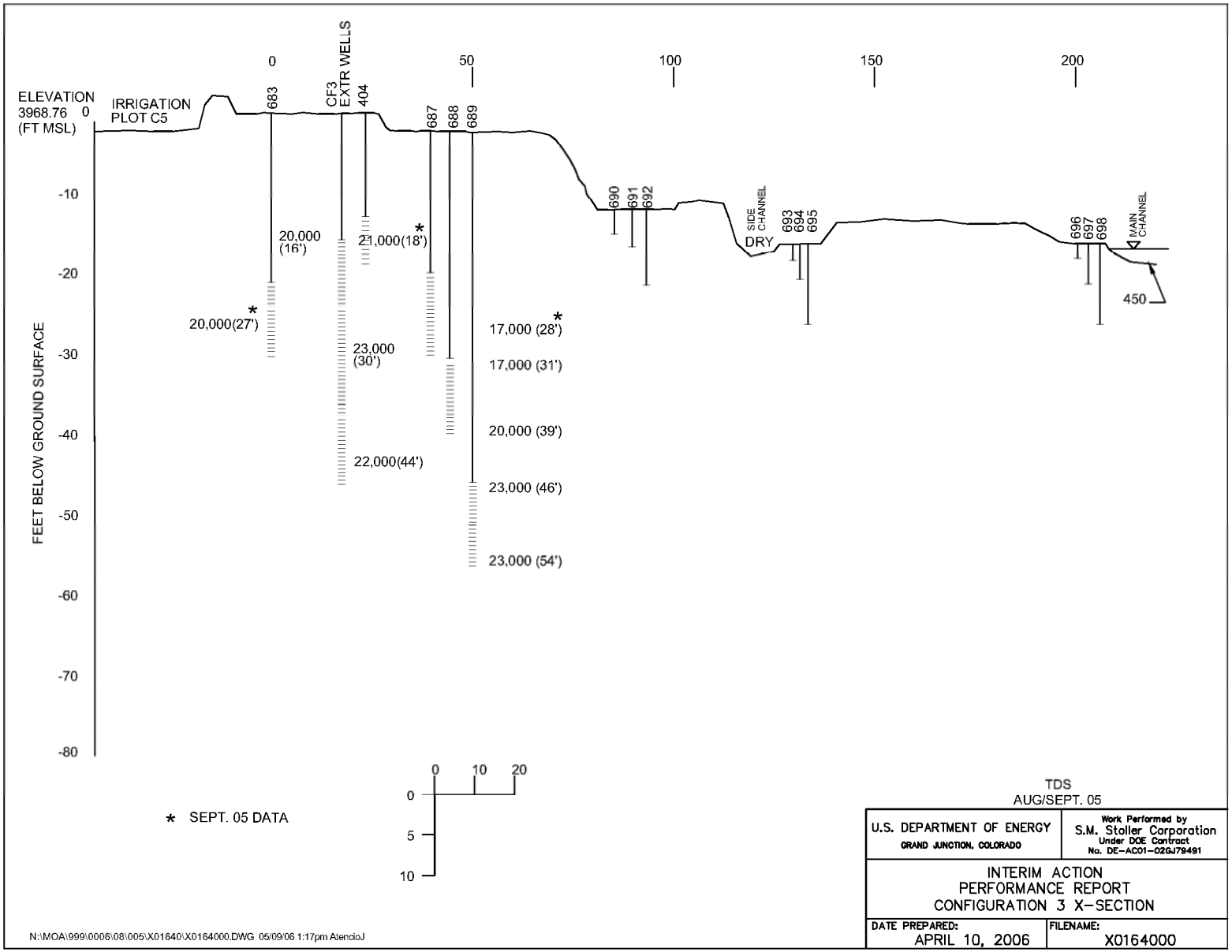



*Figure 8–4. Baseline Concentrations of TDS Along Section C-C' at Configuration 3*

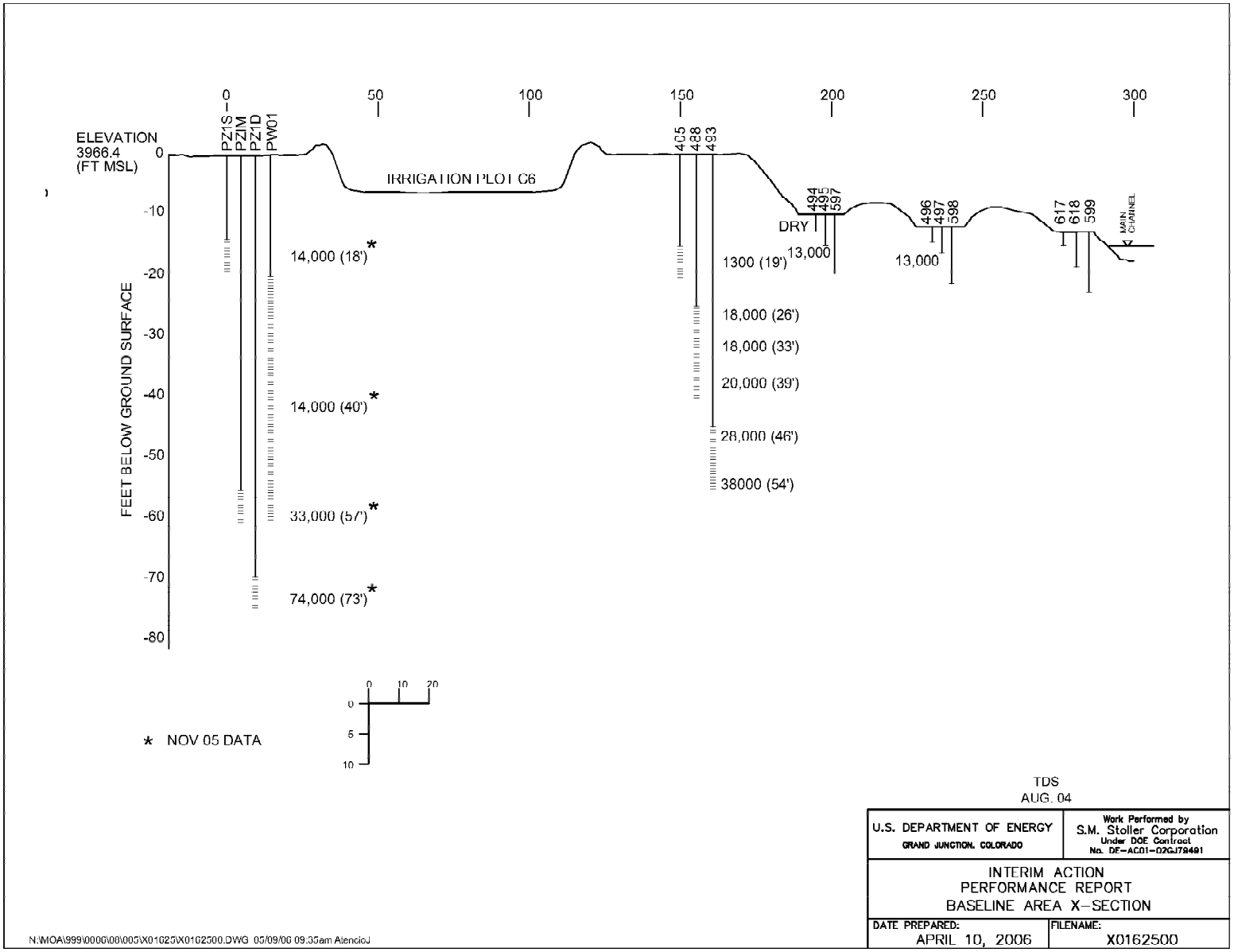



*Figure 8–5. Baseline Concentrations of TDS Along Section D-D' at the Baseline Area*

The suggestion that shallow ground water in the Configuration 1 area during January 2005 was affected by water gradually returning to the side channel after cessation of pumping is further supported by comparing TDS concentrations in riverbed piezometers along Section D-D' (Baseline Area, Figure 8–5) with those at Configuration 1 (Figure 8–3). TDS levels are available for two piezometers in the Baseline Area, and each value is 13,000 mg/L. These values, which are identical to the TDS concentration measured in shallow ground water at well 405 located a short distance upgradient, are considerably larger than comparable salinity levels in Configuration 1 piezometers. The residual effects of pumping from Configuration 1 wells provide the most likely explanation for such differences in salinity.

### 8.2.2 Chloride/Bromide Ratio

Plots of computed chloride/bromide ratios along Sections A-A' (parallel to the river) and D-D' (Baseline Monitoring Area) were used to develop further understanding of previously discussed salinity distributions near the Colorado River. As mentioned earlier, bromide concentration data did not become available until October 2005, at a time when all three IA configurations were operating. Consequently, the plot of baseline Cl/Br ratios along Section A-A' was based only on fall 2005 data collected in areas unaffected by IA operations. The comparable plot for Section D-D' in the Baseline Area was also based on fall 2005 data; it was assumed that the wells and piezometers used in this case were unaffected by pumping at Configuration 3.

Despite the lack of baseline data for the three IA configurations, very clear patterns in Cl/Br ratios are observed in the wells that did qualify for inclusion in the Section A-A' plot (Figure 8–6). South of well 492, the ratios are all greater than 3,000. These values fall in the range suggested by Davis et al. (2006) as representing natural brine derived from evaporite dissolution, inferring that the ground water here is derived solely from the Paradox Formation, and is unaffected by tailings leachate. In contrast, the Cl/Br ratios in Section D-D' (Figure 8–7) are noticeably smaller, ranging from 375 to 750. Such values likely indicate a mixture of salinity sources, with some of the TDS contributed by tailings leachate in past years. Other potential sources of shallow ground water in the Baseline Area include ground water discharge from nearby bedrock aquifers and perhaps some upwelling of brine from the Paradox Formation.

The Cl/Br ratios in the well cluster located closest to the river in the Baseline Area (wells 405, 488, and 493 in Figure 8–7) shows no obvious trend with depth. However, posted values in the well cluster located about 160 ft west of the steep bank that marks the floodplain's eastern extent do suggest that these ratios increase with depth. This latter observation suggests that the percentage of ground water attributed to naturally created brine does increase with depth despite the fact that wells in the Baseline Area are apparently too shallow to intercept "pure" brine from the Paradox Formation.

Of some interest is the fact that all Cl/Br ratios in riverbed piezometers along Section D-D' (Figure 8–7) are larger than 500, and the largest ratio (1118) is observed in piezometer 495, part of the westernmost piezometer cluster. These values indicate that the shallow ground water intercepted by the piezometers in this area are also the result of water mixtures, and brine derived from Paradox Formation dissolution is probably a contributor.

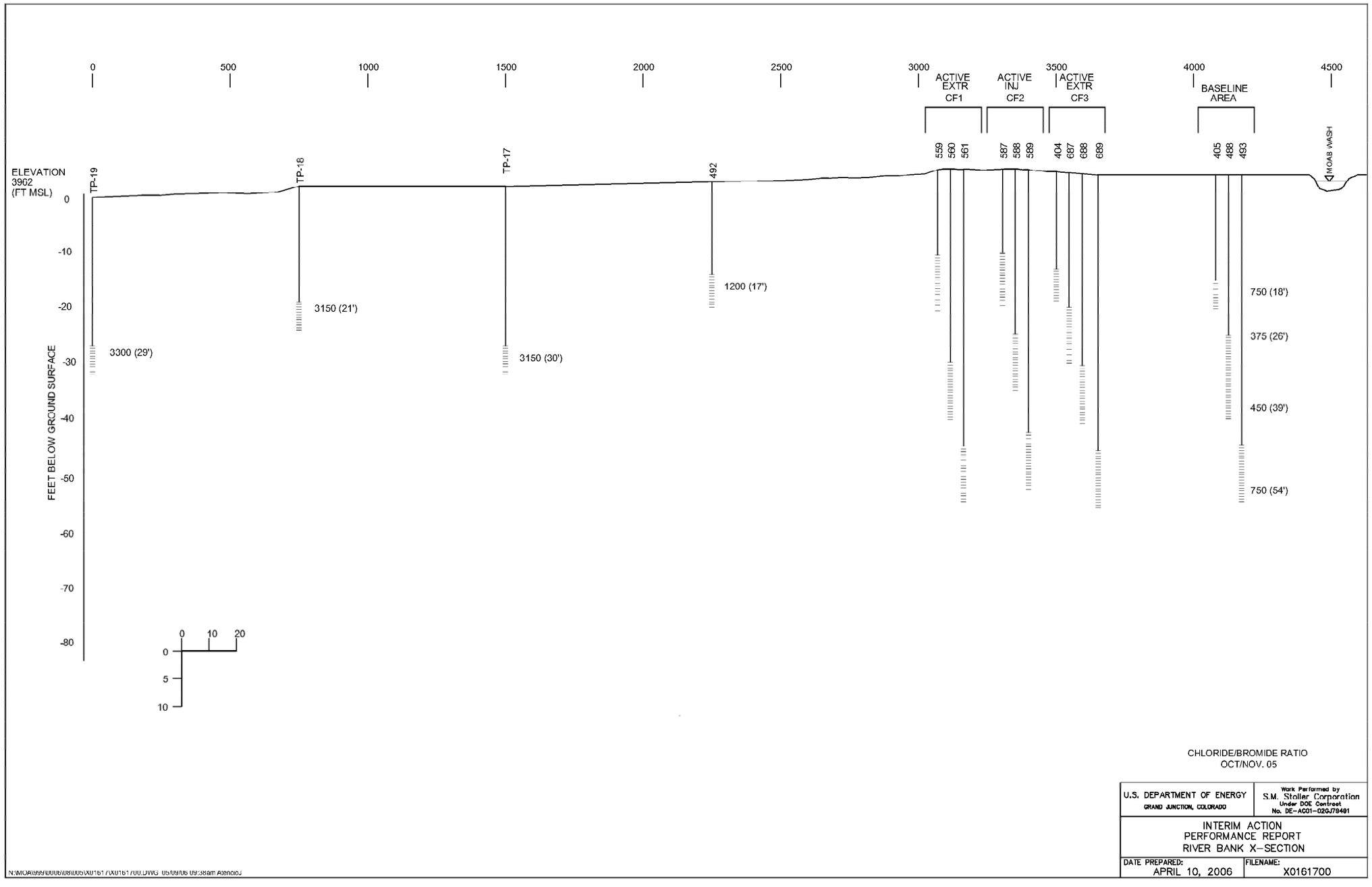



*Figure 8–6. Baseline Cl/Br Ratios Along Section A-A' Parallel to the Colorado River*

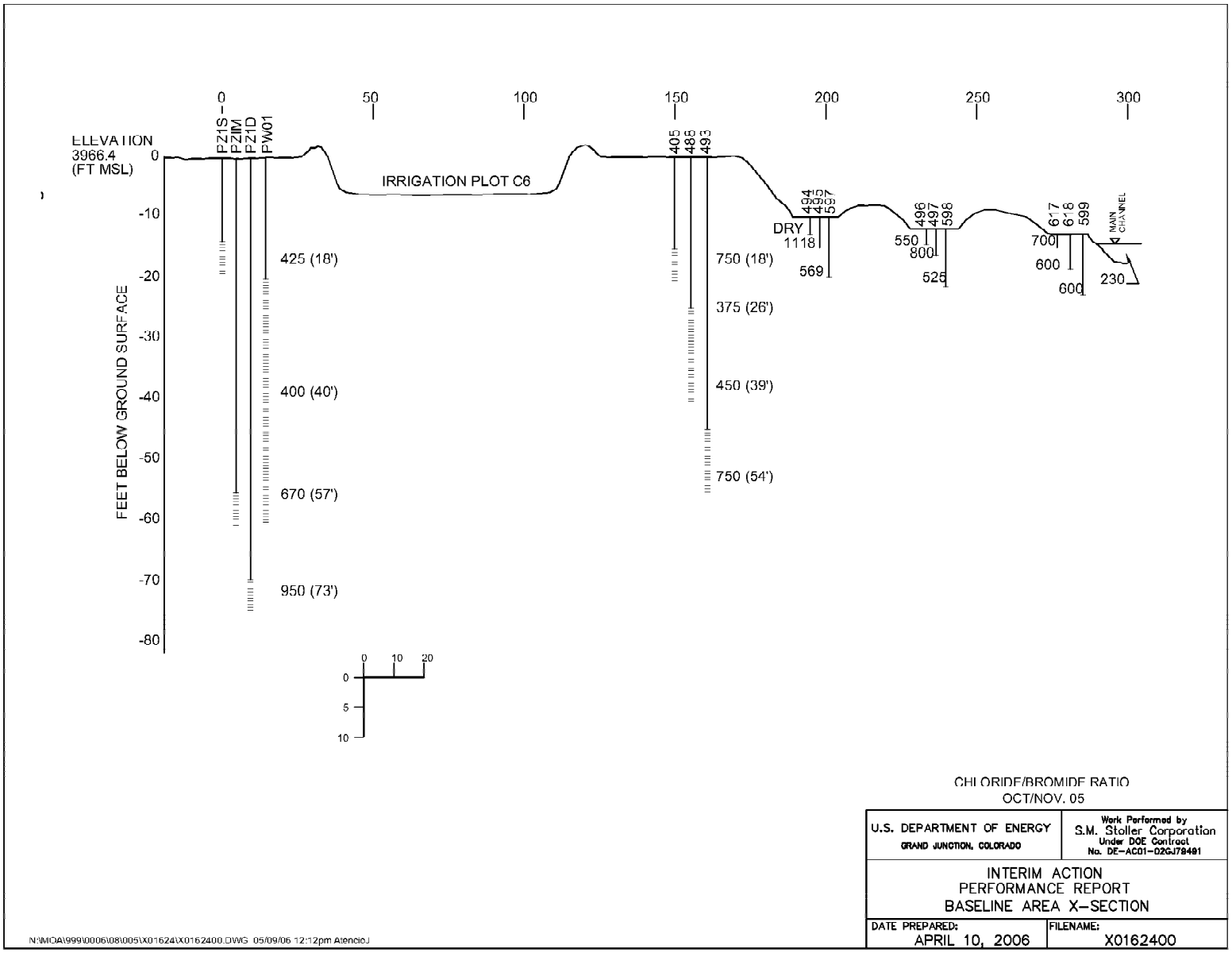



*Figure 8–7. Baseline Cl/Br Ratios Along Section D-D' at the Baseline Area*

### 8.2.3 Ammonia

The $NH_3$-N concentrations used to illustrate baseline spatial distributions of this parameter both parallel to the river (Section A-A') and orthogonal to it (Sections B-B', C-C', and D-D') were derived from the same data used to prepare comparable TDS plots (as described in Section 8.2.1). As shown in the depiction of baseline conditions along the river's length (Figure 8–8), $NH_3$-N exists at concentrations of between 3 and 4 mg/L in ground water located south of well 492. Since the water in this area is apparently derived solely from dissolution of evaporite deposits in the Paradox Formation, it appears possible that some of the ammonia entering the river in the vicinity of the Moab Site can be attributed to natural processes. However, the much higher ammonia levels observed farther to the north in the vicinity of Configurations 1 through 3 and the Baseline Area ($NH_3$-N = 130−2,200 mg/L) (Figure 8–8) indicate that the vast majority of dissolved ammonia discharging to the river is the result of historical site operations. The intermediate ammonia concentration of 82 mg/L as nitrogen observed at well 492 suggests that contamination from the site has in the past and still does discharge to the river in this location south of Configuration 1. However, because this concentration is noticeably less than observed in the Configuration 1 area, it is also likely that site-related contamination in ground water in the area of well 492 is diluted by uncontaminated water.

A line demarcating the approximate depth of an ammonia concentration of 1,000 mg/L in Figure 8–8 is fairly similar to a comparable line used to delineate the brine surface in Figure 8–2. Though it is unclear whether such an ammonia level could be correlated with a TDS concentration of 35,000 mg/L in the vicinity of the IA, the similarity in the two demarcation lines does indicate that $NH_3$-N concentrations are highest in the first few tens of feet below the brine surface (generally greater than 1,000 mg/L). An observed decrease in $NH_3$-N concentration between 39 ft bgs (2,200 mg/L) and 54 ft bgs (820 mg/L) at the Configuration 1 cluster (Figure 8–8) suggests that site-related ammonia contamination eventually loses its presence in ground water at greater depths.

A plot of $NH_3$-N concentrations along Section B-B' in the Configuration 1 area (Figure 8–9) lends further support to the previous observation that ammonia contamination becomes less with increasing depth below the first few tens of feet below the brine surface. This cross section also indicates that the shallowest ammonia concentrations observed in this area in January 2005 exhibited some lasting effects from pumping of the Configuration 1 extraction wells that was terminated during the previous month. In particular, the ammonia concentrations observed in shallow wells 483 ($NH_3$-N = 320 mg/L) and 559 ($NH_3$-N = 130 mg/L) are noticeably smaller than deeper concentrations at these locations (1,100−2,200 mg/L), which suggests that some of the relatively fresh water pumped earlier from the river side channel in this area (Figure 8–9) is still gradually returning to the river. This possibility is also supported by observed ammonia concentrations in piezometers 562 and 563 ($NH_3$-N = 53 and 97 mg/L, respectively), which indicate the presence of contamination but at levels that are considerably lower than would be occurring if deeper ground water was discharging to the side channel.

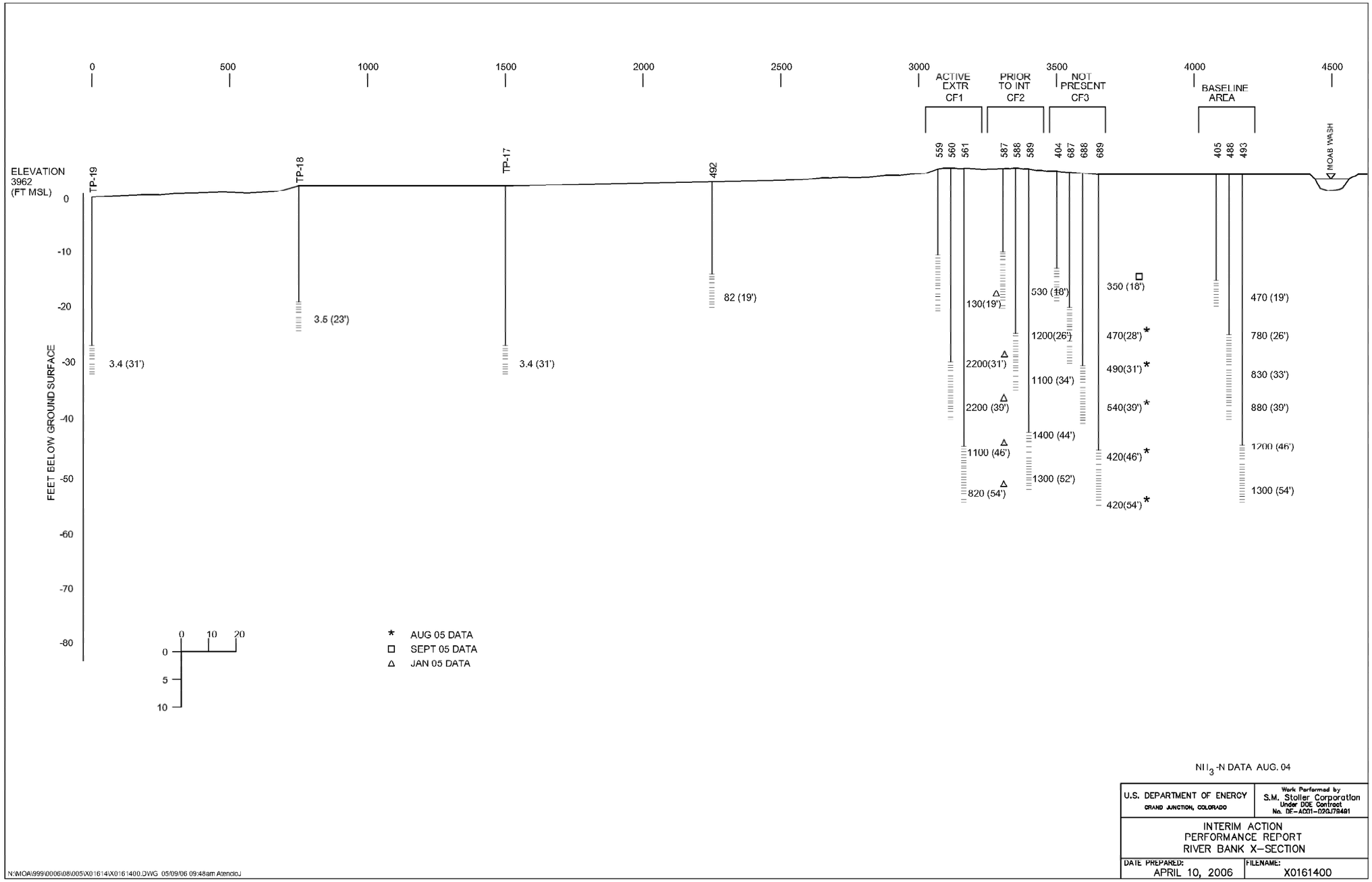



*Figure 8–8. Baseline Concentrations of Ammonia (as N) Along Section A-A' Parallel to the Colorado River*

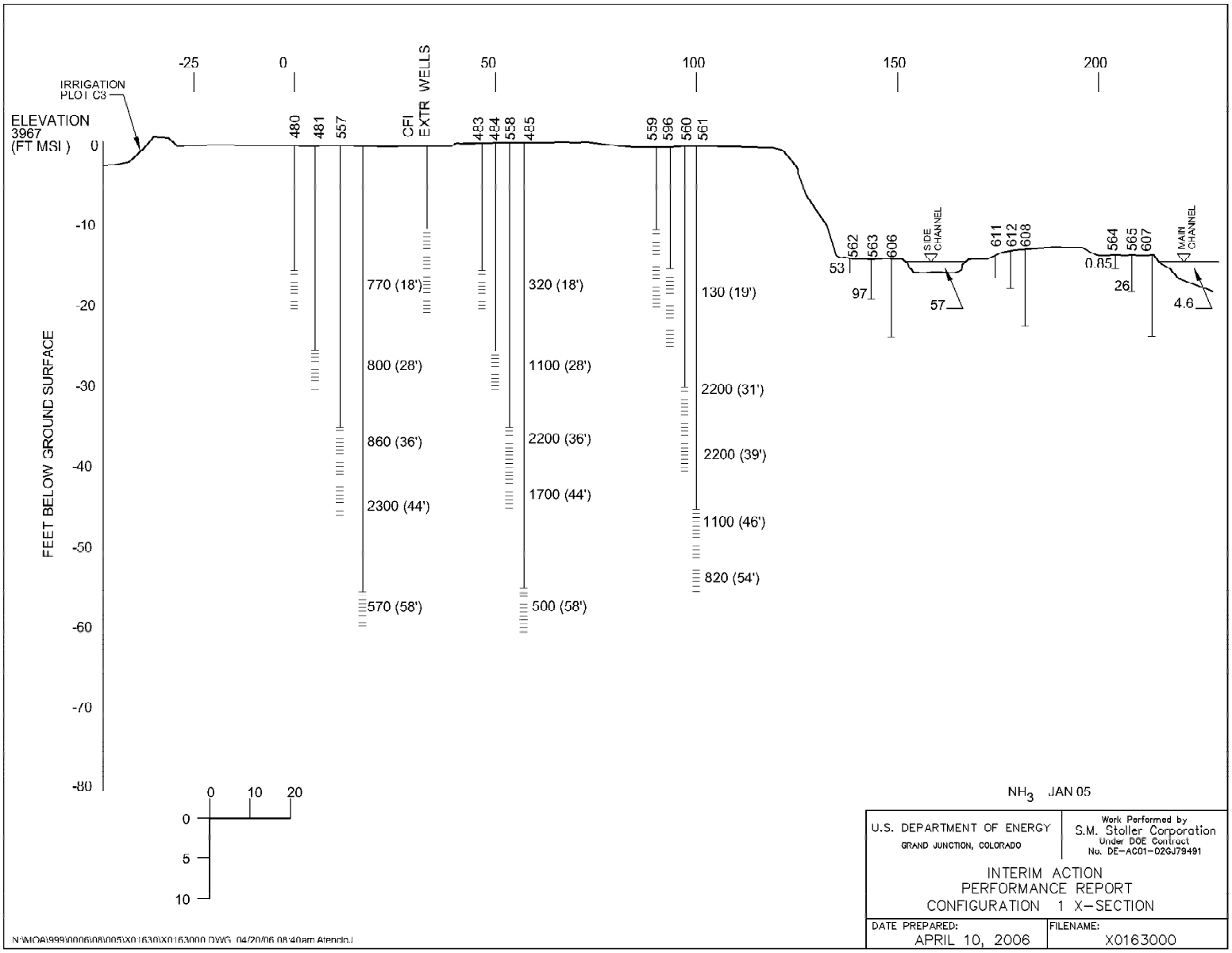



*Figure 8–9. Baseline Concentrations of Ammonia (as N) Along Section B-B' at Configuration 1*

The plot of baseline ammonia concentrations along Section C-C' in the Configuration 3 area (Figure 8–10) shows that $NH_3$-N levels in local shallow ground water (less than 60 ft bgs) ranges in concentration from 100 to 540 mg/L, well below the 1,000 mg/L level that tends to be associated with the brine surface. The lowest $NH_3$-N concentration here in August and September 2005 was observed in a shallow observation point (16 ft bgs) in one of the Configuration 3 extraction wells. This latter observation suggests that, at the time, the shallowest parts of the saturated zone in the vicinity of the extraction wells may have been affected by dilution from infiltrating irrigation water in native vegetation test plot C5, which is located about 30 ft west of the extraction wells (Figure 8–10). The distribution of ammonia in the vicinity of the Configuration 3 piezometers cannot be assessed due to a lack of data for the near-river area in August and September 2005.

Baseline concentrations of $NH_3$-N in the Baseline Area (Figure 8–11), as determined by samples collected in August 2004, ranged from 430 to 1,800 mg/L. The values on the high end of this range reflected the fact that the deepest observation wells in the baseline area do encounter brine. Because irrigation of the native vegetation test plots started in spring 2005, it is not surprising that the low end of the range was above 400 mg/L in late summer 2004. The two available measurements of $NH_3$-N concentration in the riverbed piezometers along Section D-D' at the time were less than 500 mg/L (Figure 8–11), suggesting that shallow ground water in the 405/488/493 well cluster was flowing beneath the dry riverbed area in which the piezometers are located, and eventually discharging to the river's main channel.

### 8.2.4 Uranium

Baseline concentrations for uranium along a line parallel to the river were based on data from the same samples (and dates) used to prepare the Section A-A' illustrations regarding TDS and ammonia. The resulting plot (Figure 8–12) shows that uranium concentrations south of the Moab Site are all less than 0.02 mg/L, indicating that levels of this constituent in naturally derived brine are quite low. In contrast, the uranium concentration at well 492 located near the site's south boundary is 5.7 mg/L, which is probably reflective of contamination that originated as tailings pile leachate. Baseline uranium levels in IA observation wells near the east edge of the floodplain range from 0.47 to 4.9 mg/L (Figure 8–12), with the largest concentrations being observed in a deep well associated with Configuration 3. These latter concentrations are all reflective of contamination stemming from tailings pile leachate, as are uranium levels in the Baseline Area, which range from 1.3 to 3.4 mg/L. No obvious trends in uranium concentration with depth are observed along Section A−A'.

As with TDS and ammonia, the data used to depict uranium distributions along the section orthogonal to the river in the Configuration 1 area (Section B-B') is based on samples collected in January 2005. These data (Figure 8–13) do indicate possible vertical trends. In particular, the uranium levels in the deepest wells used to characterize the Configuration 1 area appear to decrease below their maximum values at shallower depths, suggesting that at greater depths, uranium eventually reaches low background levels, such as those observed south of the site in wells TP-17, TP-18, and TP-19. A single baseline uranium concentration in riverbed piezometer 563 (Figure 8–13) at this configuration is quite low (0.09 mg/L). As discussed in earlier sections dealing with TDS and $NH_3$-N, this low concentration is probably reflective of the residual effects of pumping in 2004.

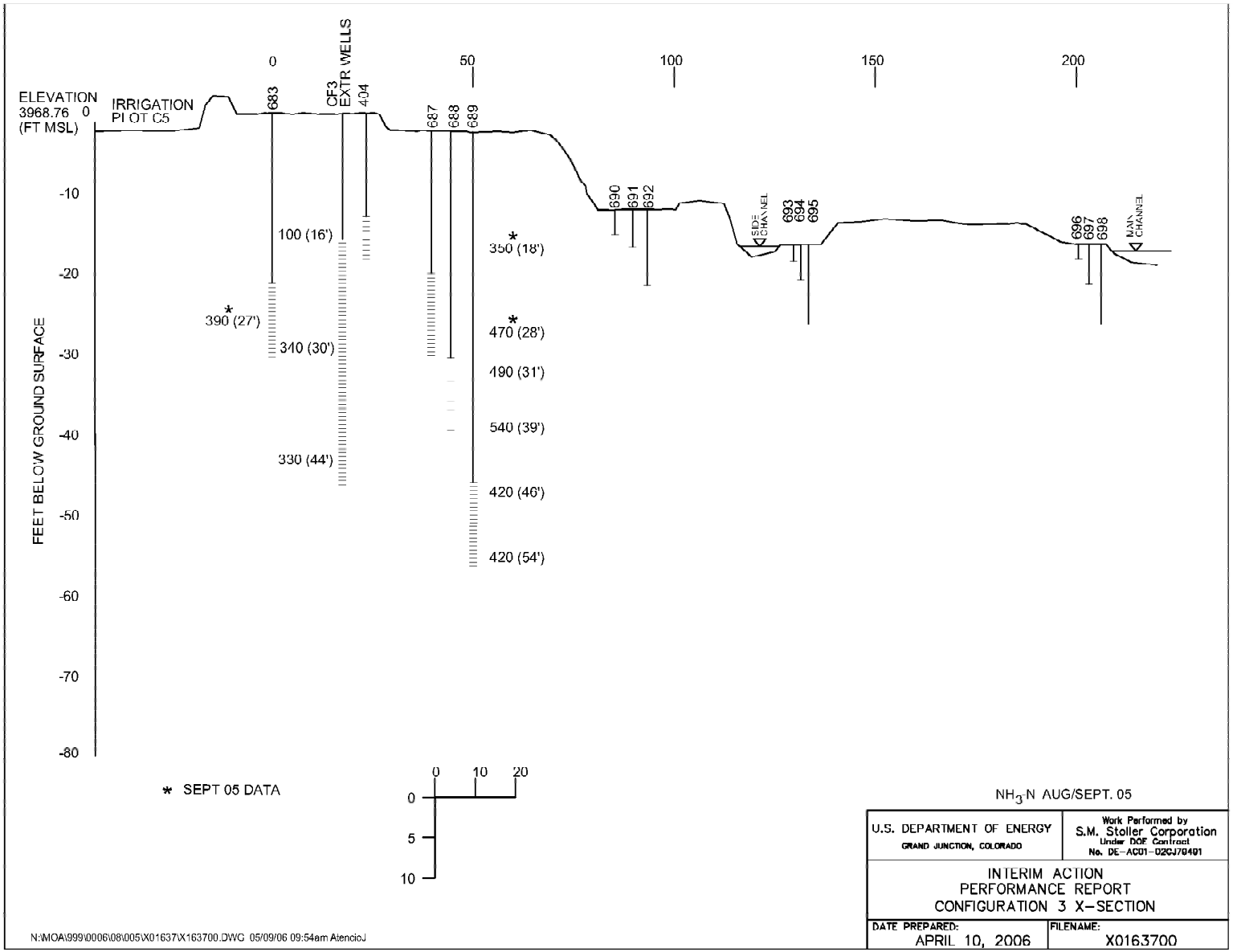



*Figure 8–10. Baseline Concentrations of Ammonia (as N) Along Section C-C' at Configuration 3*

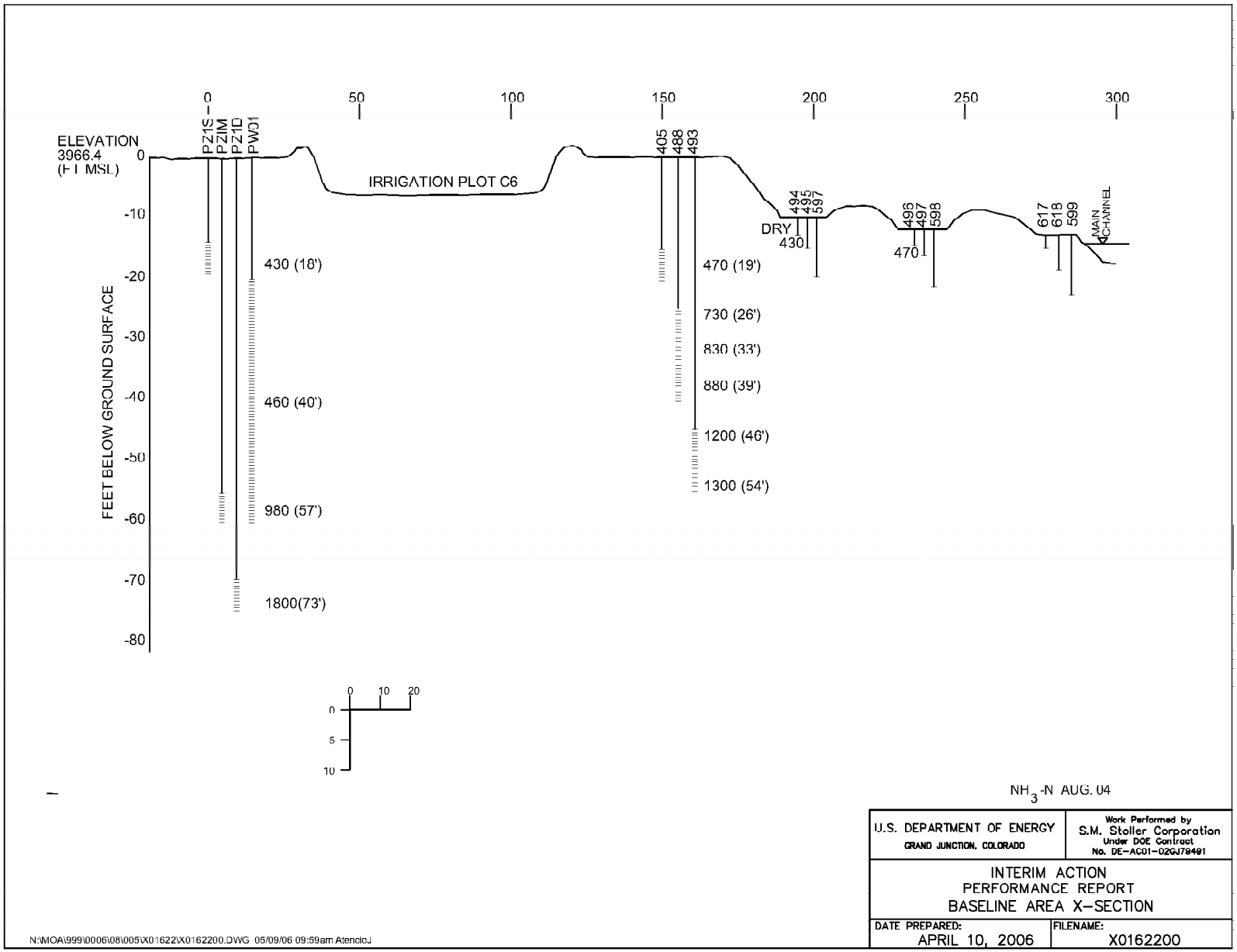



*Figure 8–11. Baseline Concentrations of Ammonia (as N) Along Section D-D' at the Baseline Area*

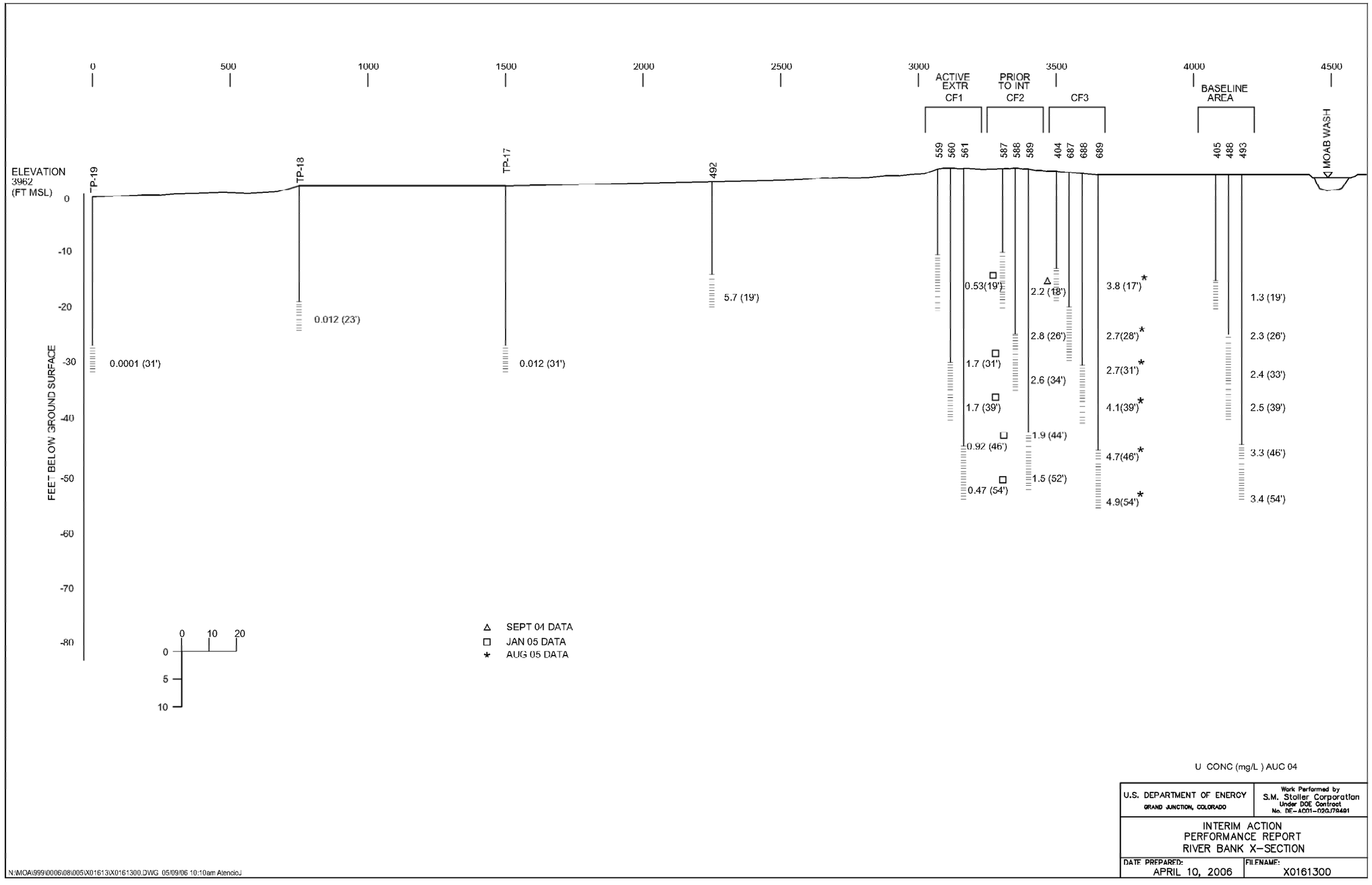



*Figure 8–12. Baseline Concentrations of Uranium Along Section A-A' Parallel to the Colorado River*

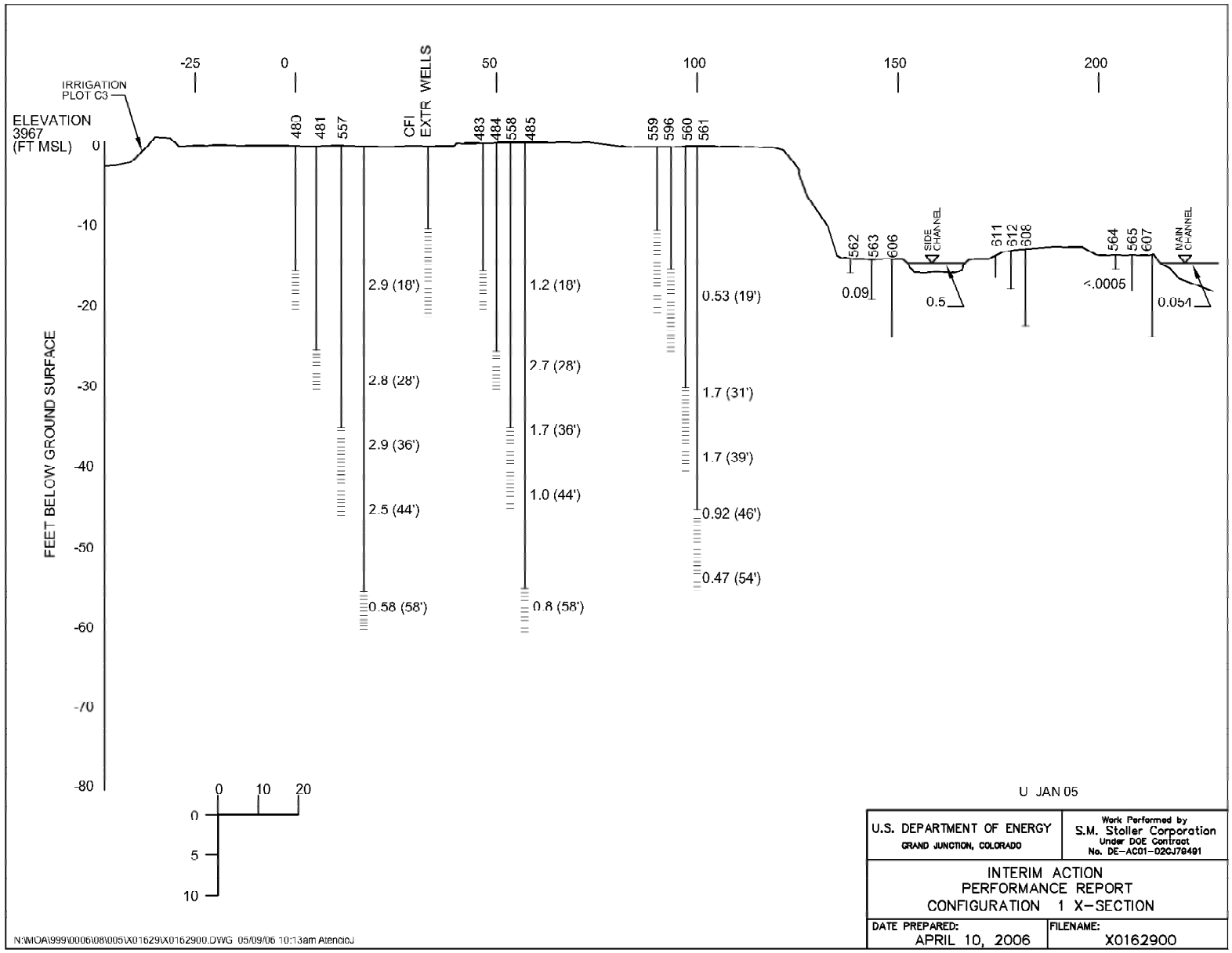



*Figure 8–13. Baseline Concentrations of Uranium Along Section B-B' at Configuration 1*

A plot of baseline uranium concentrations along Section C-C' (Figure 8–14) suggests that, with the exception of well 492 located close to the site's south boundary, the highest levels of uranium south of Moab Wash tend to be observed in the Configuration 3 area. Both the extraction wells in this area and the deep well observation well in cluster 687/688/689 had uranium concentrations near 5 mg/L during August and September 2005. No uranium concentration data were available at this time for the riverbed piezometers located downgradient of Configuration 3.

Uranium concentrations used to characterize baseline conditions along a line orthorgonal to the river in the Baseline Area (Figure 8–15) suggest that uranium levels in shallow ground water discharging to the river's main channel area in this area range from 1.2 to 1.4 mg/L. The largest concentration in this area (~ 3.3−3.6 mg/L) are observed at depths of about 50 to 60 ft bgs, in ground water that likely discharges to the river farther away from its left bank than the lesser concentrations measured in the shallow saturated zone.

## 8.3 Biogeochemical Indicators in the Baseline Area

Assessment of baseline conditions for biogeochemical activity was based solely on data collected in the Baseline Area during October and December 2005. A list of the parameters used to assess biologically mediated processes near observation wells in the area and corresponding analytical results are presented in Table 8–3. Equivalent data from the riverbed piezometers are presented in Table 8–4.

Inspection of Table 8–3 indicates that anaerobic conditions tend to prevail in late 2005 in the vicinity of observation wells at the Baseline Monitoring Area. Most DO levels at the cluster consisting of well PZ1S, PZ1M, PZ1D, and PW01 fall in the range of 0.5 to 2 mg/L. There is a tendency, however, for DO concentrations at wells 488 and 559 at the cluster located close to the edge of the floodplain to reach values on the order of 3.5 mg/L, particularly in October 2005. This observation might have been caused by recharge of oxygenated water in vegetation test plot C6 located about 50 ft hydraulically upgradient of the well nest. Alternatively, slightly higher DO concentrations observed in shallow observation well 405 during fall 2005 might be attributed to the residual effects of bank storage associated with peak runoff months in the spring and early summer of 2005. Though DO levels in local ground water are relatively low, conditions do not appear to be chemically reducing. All ORP values listed for the Baseline Area observation wells in Table 8–3 are positive, ranging between 58 and about 240 mV.

The presence of nitrate ($NO_3$-N) in Baseline Area wells (Table 8–3) at concentrations between about 25 and 167 mg/L suggests that nitrification in local ground water was occurring in late 2005. This possibility is supported by the detection of nitrifying bacteria (nitrifiers) in shallow wells 405 and 488 in October and December 2005. During October, order-of-magnitude measures of nitrifiers were 1000 colony forming units per milliliter (cfu/mL) in well 405, and 100,000 cfu/mL in well 488, and simultaneous high values of chemical oxygen demand at these wells (1,500 and 509 mg/L) might be attributed to nitrification. Though measured levels of nitrifiers decreased during the following December (Table 8–3), their continued presence did suggest that some nitrification was likely in ground water during the winter. Unlike nitrate, nitrite ($NO_2$-N) concentrations in these wells during both October and December 2005 remained low (0.005-0.016 mg/L), suggesting that all biologically mediated conversion of ammonia to nitrate during late 2005 was complete.

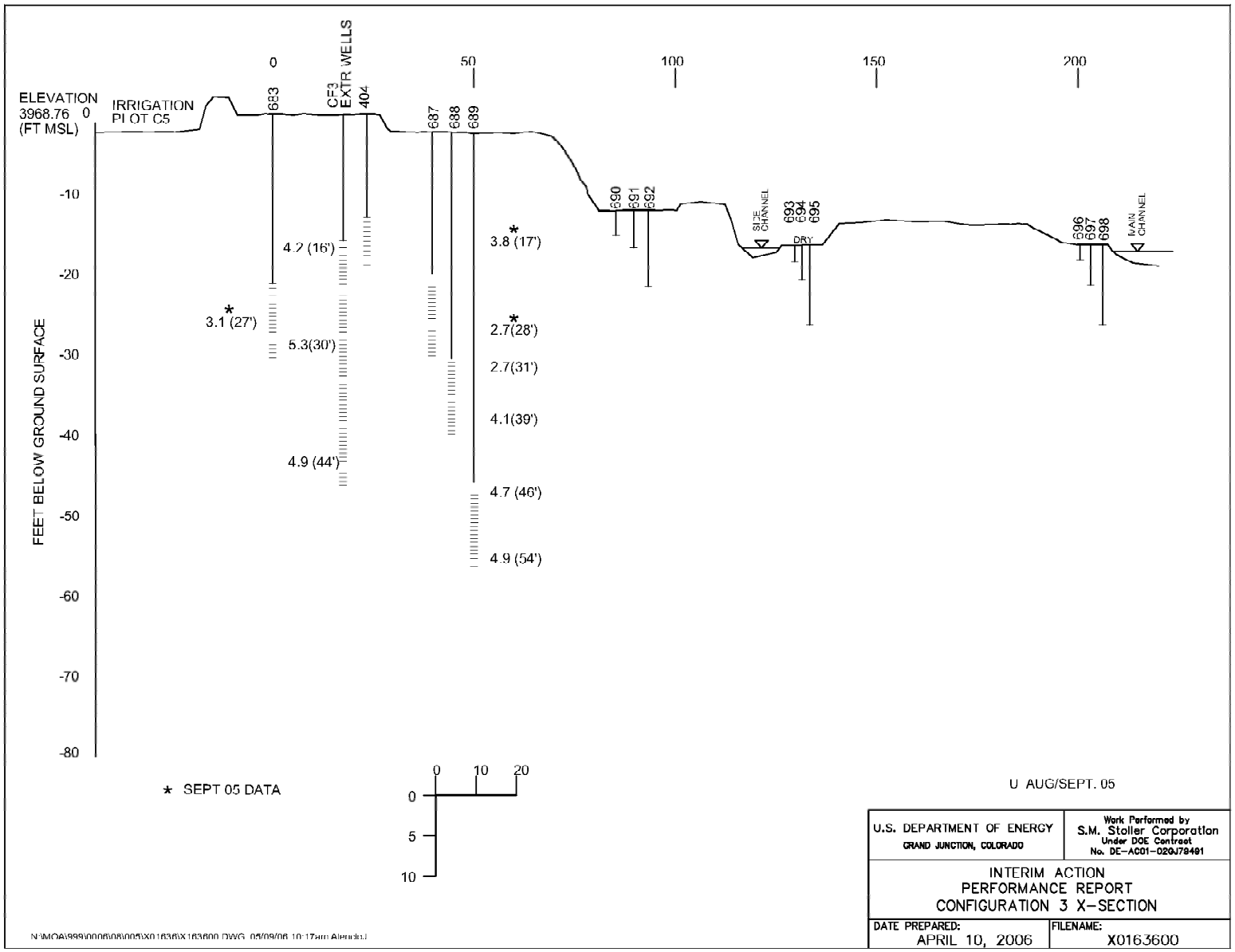



*Figure 8–14. Baseline Concentrations of Uranium Along Section C-C' at Configuration 3*

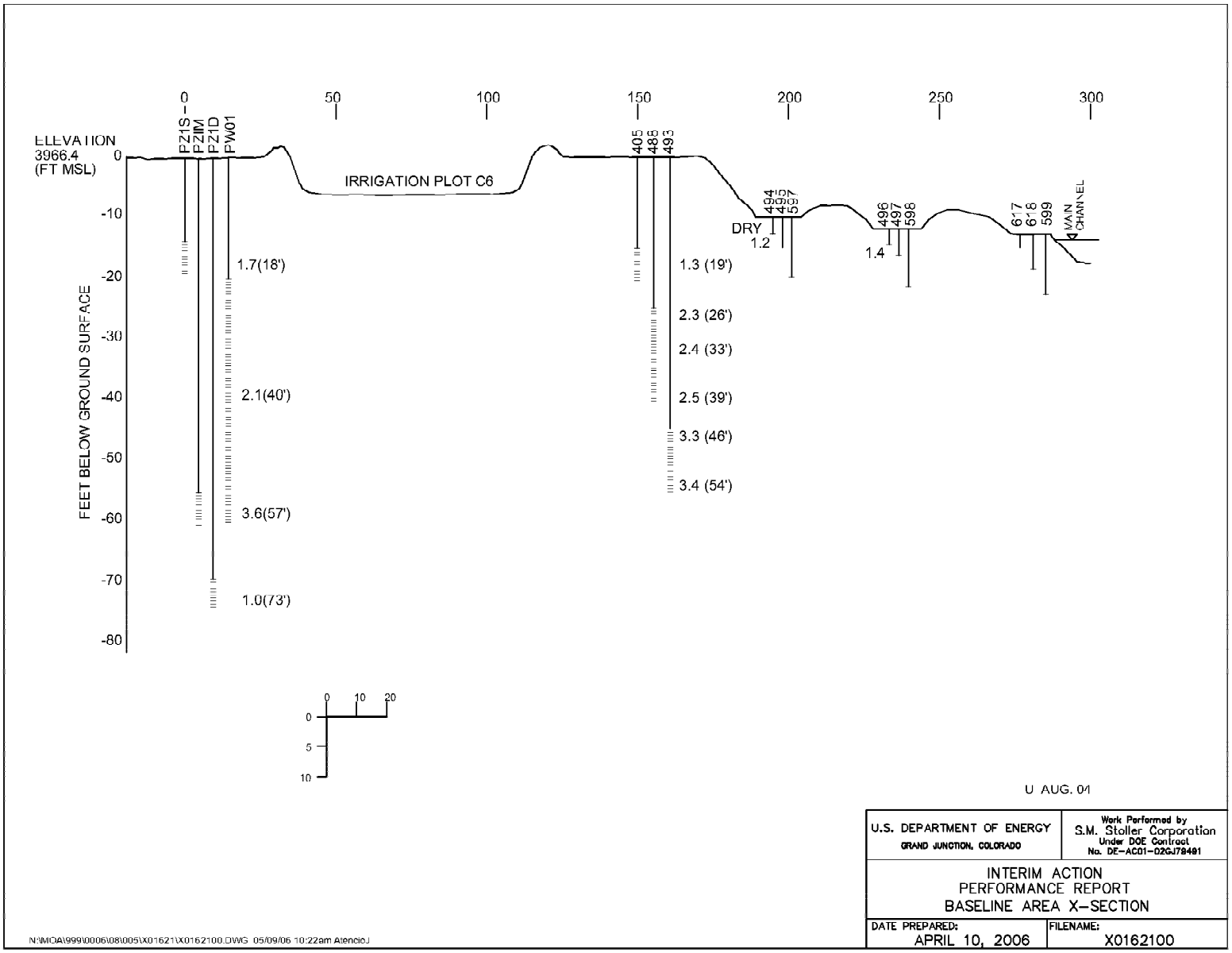



*Figure 8–15. Baseline Concentrations of Uranium Along Section D-D' at the Baseline Area*

*Table 8–3. Biogeochemical Parameters at Observation Wells in the Baseline Monitoring Area*

| Analyte | Wells | | | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|
| | PZ1S | PZ1M | PZ1D2 | PW01 | 405 | 488 | 493 | | |
| **October 2005** | | | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | 712 | 1196 | 452 | 862 | 760 | 904 | 1090 | 452−1196 | 853.7 |
| Ammonia, Total as N (mg/L) | 460 | 990 | 1800 | 560 | 490 | 722 | 800 | 460−1800 | 831.7 |
| Chemical Oxygen Demand (mg/L) | NA | NA | NA | NA | 1500 | 509 | NA | 509−1500 | 1004.5 |
| Dissolved Oxygen (mg/L) | 1.67 | 1.07 | 0.51 | 0.89 | 3.3 | 3.4 | 0.67 | 0.51−3.4 | 1.6 |
| Total Iron (mg/L) | NA | NA | NA | NA | 0.007 | 0.007 | NA | 0.007−0.007 | 0.0 |
| Ferrous Iron (mg/L) | NA | NA | NA | NA | 0.9 | 0.3 | NA | 0.3−0.9 | 0.6 |
| Total Manganese (mg/L) | NA | NA | NA | NA | 7.35 | 5.22 | NA | 5.22−7.35 | 6.3 |
| Manganous Manganese (mg/L) | NA | NA | NA | NA | 7.7 | 8.4 | NA | 7.7−8.4 | 8.1 |
| Nitrate as Nitrogen (mg/L) | NA | NA | NA | NA | 167 | 39.5 | NA | 39.5−167 | 103.3 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | NA | NA | NA | 1000 | 100000 | NA | 1000−100000 | 50500 |
| Nitrite as Nitrogen (mg/L) | NA | NA | NA | NA | 0.013 | 0.016 | NA | 0.013−0.016 | 0.015 |
| Orthophosphate (mg/L) | NA | NA | NA | NA | 1.1 | 0.8 | NA | 0.8−1.1 | 1.0 |
| Oxidation Reduction Potential (mV) | 215 | 194 | 219 | 185 | 177.1 | 210.5 | 58 | 58−219 | 180 |
| pH (standard units) | 6.7 | 6.8 | 6.6 | 6.8 | 6.7 | 6.9 | 7.0 | 6.7−7.0 | 6.8 |
| Sulfate (mg/L) | 8200 | 17000 | 8600 | 10000 | 9730 | 7580 | 14000 | 7500−17000 | 10730 |
| Sulfide (mg/L) | NA | NA | NA | NA | 0.02 | 0.01 | NA | 0.01−0.02 | 0.0 |
| Total Dissolved Solids (mg/L) | 14000 | 31000 | 16000 | 16000 | 19400 | 13500 | 33000 | 13500−31000 | 20414 |
| Total Inorganic Carbon (mg/L) | NA | NA | NA | NA | 159 | 207 | NA | 159−207 | 183 |
| Total Kjeldahl Nitrogen (mg/L) | NA | NA | NA | NA | 693 | 1080 | NA | 693−1080 | 887 |
| Uranium (mg/L) | 1.4 | 3.4 | 1.4 | 2.2 | 3.09 | 1.8 | 2.5 | 1.4−3.09 | 2.3 |
| **December 2005** | | | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | 760 | 1180 | 404 | 812 | 756 | 860 | 1180 | 404−1180 | 850 |
| Ammonia, Total as N (mg/L) | 430 | 980 | 1500 | 560 | 459 | 764 | 1100 | 430−1500 | 828 |
| Chemical Oxygen Demand (mg/L) | NA | NA | NA | | 166 | 157 | NA | 157−166 | 162 |
| Dissolved Oxygen (mg/L) | 1.52 | 0.92 | 0.83 | 2.05 | 3.8 | 0.93 | 0.84 | 0.83−152 | 1.6 |
| Total Iron (mg/L) | NA | NA | NA | NA | 0.007 | 0.007 | NA | 0.007−0.007 | 0.0 |
| Ferrous Iron (mg/L) | NA | NA | NA | NA | 1 | 1 | NA | 1 to 1 | 1.0 |
| Total Manganese (mg/L) | NA | NA | NA | NA | 6.47 | 5.84 | NA | 5.84−6.47 | 6.2 |
| Manganous Manganese (mg/L) | NA | NA | NA | NA | 9.6 | 8.2 | NA | 8.2−9.6 | 8.9 |
| Nitrate as Nitrogen (mg/L) | NA | NA | NA | NA | 138 | 25.5 | NA | 25.5−138 | 81.8 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | NA | NA | NA | 1000 | 1000 | NA | 1000−1000 | 1000 |
| Nitrite as Nitrogen (mg/L) | NA | NA | NA | NA | 0.005 | 0.005 | NA | 0.005−0.005 | 0.005 |
| Orhtophosphate (mg/L) | NA | NA | NA | NA | 0.3 | 0.3 | NA | 0.3−0.3 | 0.3 |
| Oxidation Reduction Potential (mV) | 226.5 | 239.2 | 247 | 166.7 | 151.6 | 88.5 | 185.8 | 88.5−239.2 | 186 |
| pH (standard units) | 6.8 | 6.9 | 6.7 | 6.8 | 6.8 | 6.9 | 6.9 | 6.7−6.9 | 6.8 |
| Sulfate (mg/L) | 8200 | 17000 | 7900 | 9600 | 9360 | 9820 | 16000 | 7900−17000 | 11126 |
| Sulfide (mg/L) | NA | NA | NA | NA | 0.01 | 0.02 | NA | 0.01−0.02 | 0.0 |
| Total Dissolved Solids (mg/L) | 14000 | 32000 | 84000 | 15000 | 15800 | 14700 | 33000 | 14000−84000 | 29786 |
| Total Inorganic Carbon (mg/L) | NA | NA | NA | NA | 139 | 222 | NA | 139−222 | 181 |
| Total Kjeldahl Nitrogen (mg/L) | NA | NA | NA | NA | 464 | 818 | NA | 464−818 | 641 |
| Uranium (mg/L) | 1.8 | 3.6 | 0.88 | 2.5 | 3.22 | 1.82 | 3.3 | 1.8−3.22 | 2.4 |

[a]cfu/mL = colony forming units per milliliter

*Table 8–4. Biogeochemical Parameters at Riverbed Piezometers in the Baseline Monitoring Area*

| Analyte | Riverbed Piezometer | | | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|
| | 495 | 0496 | 497 | 0597 | 598 | 617 | 618 | | |
| **October 2005** | | | | | | | | | |
| Ammonia, Total as N (mg/L) | 71.3 | 370 | 360 | 522 | 550 | 60 | 200 | 71.3−522 | 305 |
| Dissolved Oxygen (mg/L) | 5.6 | 0.8 | 2.11 | 4.3 | 0.7 | 0.55 | 1.53 | 0.7−5.6 | 2.2 |
| Total Iron (mg/L) | 0.007 | NA | NA | 1.57 | NA | NA | NA | 0.007−1.57 | 0.8 |
| Ferrous Iron (mg/L) | 0.6 | NA | NA | 0.6 | NA | NA | NA | 0.6−0.6 | 0.6 |
| Total Manganese (mg/L) | 5.02 | NA | NA | 7.84 | NA | NA | NA | 5.02−7.84 | 6.4 |
| Manganous Manganese (mg/L) | 3.7 | NA | NA | 5.7 | NA | NA | NA | 3.7−5.7 | 4.7 |
| Nitrate as Nitrogen (mg/L) | 523 | NA | NA | 185 | NA | NA | NA | 185−523 | 354 |
| Nitrifying Bacteria (cfu/mL)[a] | 100000 | NA | NA | 100000 | NA | NA | NA | 100000−100000 | 100000 |
| Nitrite as Nitrogen (mg/L) | 0.041 | NA | NA | 2.1 | NA | NA | NA | 0.041−2.1 | 1.07 |
| ortho-Phosphate (mg/L) | 0.3 | NA | NA | 0.4 | NA | NA | NA | 0.3−0.4 | 0.35 |
| Oxidation Reduction Potential (mV) | -73 | -162 | -251 | -292 | -82 | -133 | -112 | -292 to -73 | -157.77 |
| pH (standard units) | 7.1 | 7.7 | 8.9 | 8.4 | 8.0 | 7.7 | 8.4 | 7.1−8.9 | 8.0 |
| Sulfate (mg/L) | 16100 | 8200 | 11000 | 8880 | 10000 | 11000 | 8700 | | 10554 |
| Sulfide (mg/L) | 0.01 | NA | NA | 0.01 | NA | NA | NA | 0.01−0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | 38800 | 14000 | 21000 | NA | 17000 | 21000 | 12000 | 14000−38800 | 20633 |
| Total Inorganic Carbon (mg/L) | 241 | NA | NA | 62.8 | NA | NA | NA | 62.8−241 | 152 |
| Uranium (mg/L) | 0.849 | 0.004 | 0.6 | 1.11 | 0.5 | 1.6 | 0.19 | 0.004−1.6 | 0.69 |
| **December 2005** | | | | | | | | | |
| Ammonia, Total as N (mg/L) | 75.2 | 380 | 410 | 455 | 560 | 120 | 460 | 75.2−560 | 351 |
| Dissolved Oxygen (mg/L) | 4.3 | 4.23 | 5.54 | 4.3 | 3.9 | 6.92 | 5.4 | 4.23−6.92 | 4.9 |
| Total Iron (mg/L) | 0.007 | NA | NA | 0.701 | NA | NA | NA | 0.007−0.701 | 0.354 |
| Ferrous Iron (mg/L) | 0.3 | NA | NA | 1 | NA | NA | NA | 0.1−1 | 0.65 |
| Total Manganese (mg/L) | 4.82 | NA | NA | 6.16 | NA | NA | NA | 4.82−6.16 | 5.49 |
| Manganous Manganese (mg/L) | 7.2 | NA | NA | 4.7 | NA | NA | NA | 4.7−7.2 | 6.0 |
| Nitrate as Nitrogen (mg/L) | 386 | NA | NA | 177 | NA | NA | NA | 177−386 | 282 |
| Nitrifying Bacteria (cfu/mL)[a] | <1000 | NA | NA | 100000 | NA | NA | NA | <1000−100000 | 50500 |
| Nitrite as Nitrogen (mg/L) | 0.063 | NA | NA | 3.3 | NA | NA | NA | 0.06−3.3 | 2 |
| ortho-Phosphate (mg/L) | 0.3 | NA | NA | 0.3 | NA | NA | NA | 0.3−0.3 | 0.3 |
| Oxidation Reduction Potential (mV) | 142 | -25 | 23 | 30 | 45 | -102 | 8 | -102 to 142 | 17.3 |
| pH (standard units) | 6.8 | 7.2 | 8.3 | 9.2 | 8.0 | 7.7 | 8.1 | 6.8−9.2 | 7.9 |
| Sulfate (mg/L) | 18200 | 8200 | 12000 | 10000 | 9200 | 12000 | 9900 | 8200−18200 | 11357 |
| Sulfide (mg/L) | 0.01 | NA | NA | 0.01 | NA | NA | NA | 0.01−0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | 31800 | 14000 | 21000 | 18200 | 15000 | 23000 | 18000 | 14000−31800 | 20143 |
| Total Inorganic Carbon (mg/L) | 247 | NA | NA | 220 | NA | NA | NA | 220−247 | 234 |
| Total Kjeldahl Nitrogen (mg/L) | 64.7 | NA | NA | NA | NA | NA | NA | 64.7−64.7 | 65 |
| Uranium (mg/L) | NA | NA | 0.85 | 1.59 | 2.1 | 2.8 | 0.22 | 0.22−2.8 | 4.16 |

[a]cfu/mL = colony forming units per milliliter

It is difficult to discern from the data presented in Table 8–3 whether heterotrophic respiration was occurring in Baseline Area ground water in late 2005. Though nitrate concentrations decrease at observation wells 405 and 488 decrease in December 2005 in comparison to the previous October, none of the additional biogeochemical parameters show signs that denitrification is an active process. Though high concentrations of manganous manganese are observed in wells 405 and 488 (between 5 and 10 mg/L during both months), these dissolved levels are likely to represent background conditions in some site ground water rather than being

the result of enzymatic reduction of solid-phase manganese. In previous years, total manganese levels of 5 to 15 mg/L have been frequently observed in ground water flowing from the tailings pile area toward the river. In addition, there is little evidence for anaerobic iron reduction, given that concentrations of total and ferrous iron are low (Table 8–3), generally falling in the range of 0.007 to 1 mg/L. In additions, sulfate concentrations are high, which infers that microbially mediated sulfate reduction is relatively insignificant in ground water. If any heterotrophic respiration is occurring in late 2005 in ground water at the Baseline Area, the water entering the aquifer as recharge in vegetation test plot C6 during summer and fall months is likely to be the only significant source of DOC that could support such activity.

DO levels in riverbed piezometers at the Baseline Area (Table 8–4) during October 2005 vary considerably, ranging from about 0.5 mg/L to 5.6 mg/L. This range suggests that both anaerobic and aerobic microbial activity were possible during the fall in riverbed sediments containing the piezometers. Of some interest is the fact that ORP values at the piezometers in October were negative, which shows that ground water in riverbed sediments tends to be more chemically reducing than ground water located beneath the floodplain.

The largest ORP in riverbed piezometers in October 2005 is –70 mV and the smallest is −290 mV (Table 8–4). Though this observation indicates that heterotrophic respiration in the form of sulfate reduction is feasible in riverbed sediments lying between the main river channel and the east edge of the floodplain, measured sulfate concentrations at the piezometers (Table 8–4) are of the same general magnitude as those observed in upgradient ground water (Table 8–3), providing little evidence enzymatic sulfate reduction. In addition, the occurrence of nitrate at even higher concentrations (Table 8–4) than those measured in Baseline Area observation wells suggests that denitrification is not a significant process in riverbed sediments at the time. As with the observation wells, relatively high levels of manganous manganese in the piezometers in October 2005 (3.7−5.7 mg/L) are likely attributed to background conditions in site ground water in lieu of microbially driven manganese reduction.

If any heterorophic respiration is occurring in riverbed sediments in fall 2005, the DOC needed for this activity is likely to have been provided by a variety of sources. One possible source is river water that infiltrated the subsurface in peak river runoff months during the previous spring and summer. Alternatively, or in addition, organic carbon may be derived from vegetation that has largely taken over this part of the riverbed by 2005. Though the recharge of river water used for irrigation in upgradient vegetation test plot C6 is also a possible source of organic carbon, any heterotrophic processes occurring in ground water beneath the floodplain is likely to have reduced DOC levels significantly before this recharge water reaches the riverbed area.

The presence of nitrifiers at relatively high levels (100,000 cfu/mL) at riverbed piezometers 495 and 597 in the Baseline Area during October 2005 (Table 8–4) indicates that a significant amount of nitrification was occurring in local riverbed sediments at the time. The co-presence of nitrate at relatively high levels also supports the notion that nitrification activity was significant, perhaps exceeding the equivalent activity in upgradient ground water. The source of inorganic carbon for this process is likely to have been a combination infiltration of river water during river peak flow periods and recharge water at vegetation test plot C6. Levels of alkalinity (as $CaCO_3$) in observation wells upgradient of the river (Table 8–3) can be as large as 1,000 mg/L, and total inorganic carbon (TIC) concentrations at piezometers 495 and 597 in the during October 2005 are about 240 and 63 mg/L, respectively. These levels are large enough to support some

nitrification, though certainly not to the degree that all ammonia entering the riverbed area as part of inflowing ground water from the site would be converted to nitrate. For this latter phenomenon to occur, large and persistent influxes of river water would be required.

Noticeable differences in chemistry were observed in Baseline Area piezometers in December 2005 (Table 8–4) in comparison to results from the preceding October. In particular, DO concentrations are much higher in December (~ 4 to 7 mg/L), and many of the ORP values measured at this time are positive as opposed to all being negative. These results suggest that a gradual transition to more oxidizing conditions was occurring during the winter of 2005, though the reasons for such a transition are unclear. Additional chemical parameters reported in Table 8–4 for the riverbed piezometers in December 2005 indicate that nitrification was a continuing process in riverbed sediments adjacent to the main river channel.

Comparison of pH values is Table 8–3 with those in Table 8–4 indicates that ground water below the floodplain in the Baseline Area is slightly acidic, but ground water in riverbed sediments tends to become more basic. The range of pH values in observation wells during October and December 2005 was 6.6 to 7 (standard units), whereas riverbed piezometers during these months showed pH ranging from 6.8 to 9.2. This difference is probably attributed in large part to the mixing of river water (at a pH of 7.6 to 8.5) with eastward-flowing ground water, particularly during periods of high river flow in prior spring and summer months. The occurrence of higher pH levels in riverbed sediments correlates with the tendency for more chemically reducing conditions to be observed in ground water beneath the riverbed area.

# 9.0 Temporal Influences on Water Chemistry

This section discusses temporal changes in water chemistry observed in the Configuration 1, Configuration 3, and Baseline areas during 2005. The changes are identified using chemical analyses of samples collected from a variety of extraction wells, observation wells, riverbed piezometers, and surface water sampling locations associated with the three areas. The field parameter and laboratory analytical data from remediation wells that were used to assess temporal changes in chemistry are contained in Appendix E. Equivalent chemical data at observation wells, piezometers, and surface water sampling locations are presented in Appendix G.

## 9.1 Configuration 1

### 9.1.1 Extraction Wells 470−479

Configuration 1 extraction wells (Figure 3–1) were sampled monthly during full-scale operation of this system between February and December 2005 (Table E−1, Appendix E). Prior to the start of pumping, samples were collected from each of the ten extraction wells in late January 2005. Wells 470 through 477 (screened from approximately 10 to 20 ft bgs) were sampled at a depth of 17 ft bgs and wells 478 and 479 (screened from approximately 9 to 24 ft bgs) were sampled at a depth of 20 ft bgs. During system operation, samples were collected directly from the discharge of the dedicated submersible pump in each well. Pump intake depths at wells 470 through 477 are located about 18 ft bgs; pump intakes are located at a depth of approximately 21 ft bgs in wells 478 and 479.

An example graphical depiction of TDS, ammonia, and uranium concentrations observed at Configuration 1 extraction wells during 2005 is presented in Figure 9–1 (in this case for well 470). Corresponding flows in the Colorado River are superimposed on the plot of TDS concentration (Figure 9–1a), total system pumping rate is superimposed on the graph of ammonia concentrations (Figure 9–1b), and measured ground water elevations in the extraction well are co-plotted with uranium concentrations (Figure 9–1c). Because the same time scale is used in each of these graphs, the effects of river flow, total system pumping rate, and ground water elevation in the extraction well on all three analytes can be assessed. Comparable plots for the remaining extraction wells in Configuration 1 (wells 471−79) are presented in Appendix H−1.

The temporal history of water chemistry at well 470 (Figure 9–1) is fairly representative of all Configuration 1 extraction wells. Inspection of the graphs in this figure reveals some clear patterns. One of the most obvious patterns is that the temporal behavior of all three constituents (TDS, $NH_3$-N, uranium) is similar. That is, as TDS concentrations increase in the water extracted from well 470, so do the concentrations of ammonia and uranium. This behavior is typical of water withdrawn from shallow parts of the alluvial aquifer (DOE 2003d).

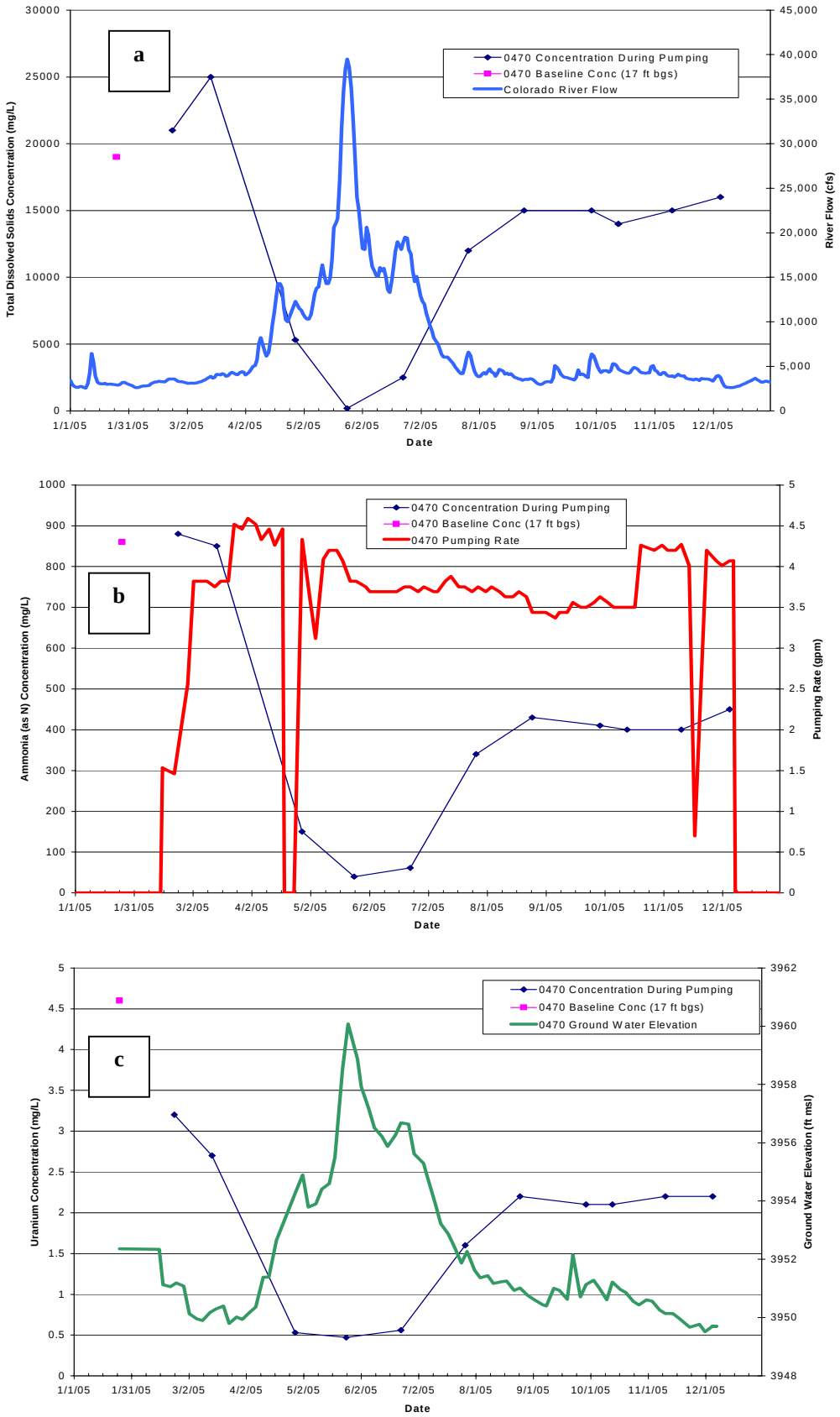



*Figure 9–1. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Extraction Well 470 During 2005*

Another obvious pattern seen in Figure 9–1 is the uniform decrease in analyte concentrations in response to high flows in the Colorado River between April and July 2005. The concentration decreases are dramatic, as levels of TDS, ammonia and uranium during spring and early summer months tend to be about a tenth of what they were during the previous winter. As previously mentioned, river runoff peaked in late May at about 39,500 cfs, which is about twice the average annual peak flow. The lowest concentrations of TDS, ammonia and uranium all appear to coincide with this period of peak flow. These observations clearly show that river water migrates into the ground water system during periods of high river runoff, and the Configuration 1 extraction wells mostly withdraw river water at these times.

Additional patterns can be seen by comparing the temporal plot of TDS concentration for well 470 in Figure 9–1a with the equivalent graphs for extraction wells 472, 474, and 476 (Figure 9–2, Figure 9–3, and Figure 9–4, respectively). In particular, TDS concentrations in well 472 in the months following the peak runoff never come close to returning to pre-peak levels, whereas post-peak TDS concentrations in the three other wells do achieve previously observed levels, and appear to exceed them in the cases of well 474 and 476. In addition, TDS concentrations are relatively steady in well 470 after reaching a post-peak maximum during August and September, but TDS levels in wells 472, 474, and 476 begin decreasing after reaching maximum values in the August to September time frame.

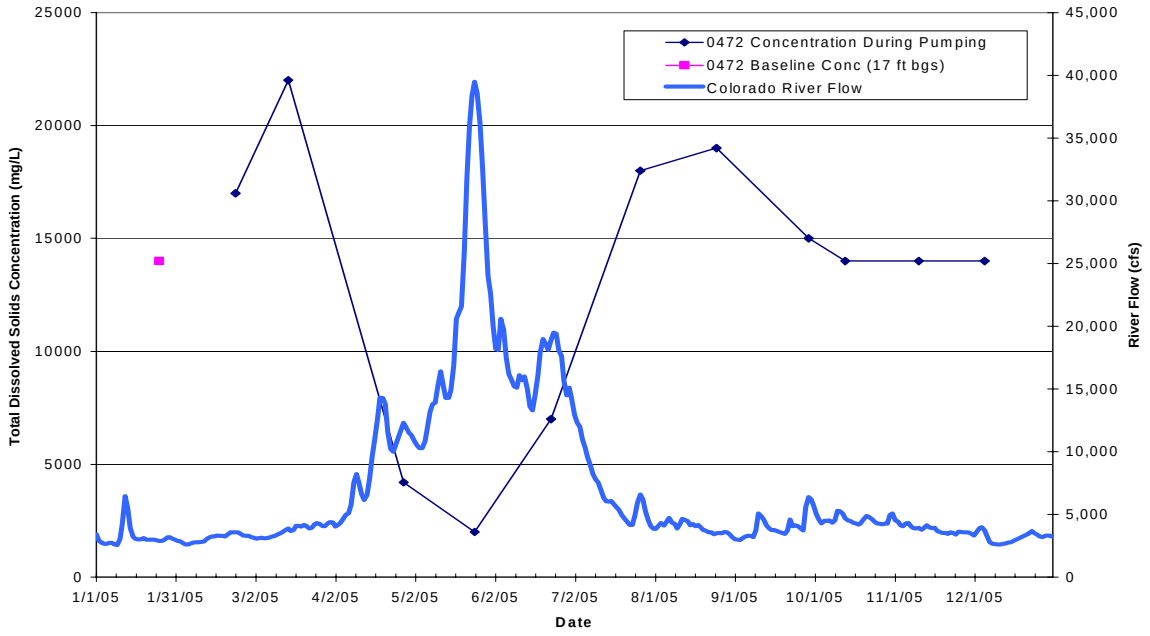



*Figure 9–2. TDS Concentrations at Extraction Well 472 and Colorado River Flow During 2005*

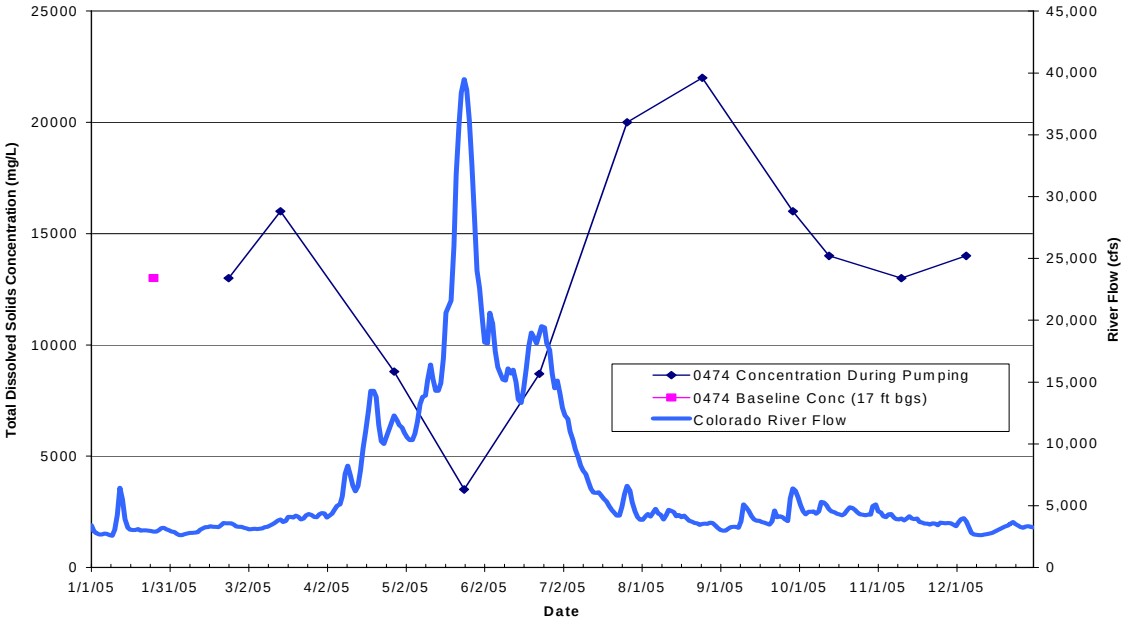



*Figure 9–3. TDS Concentrations at Extraction Well 474 and Colorado River Flow During 2005*

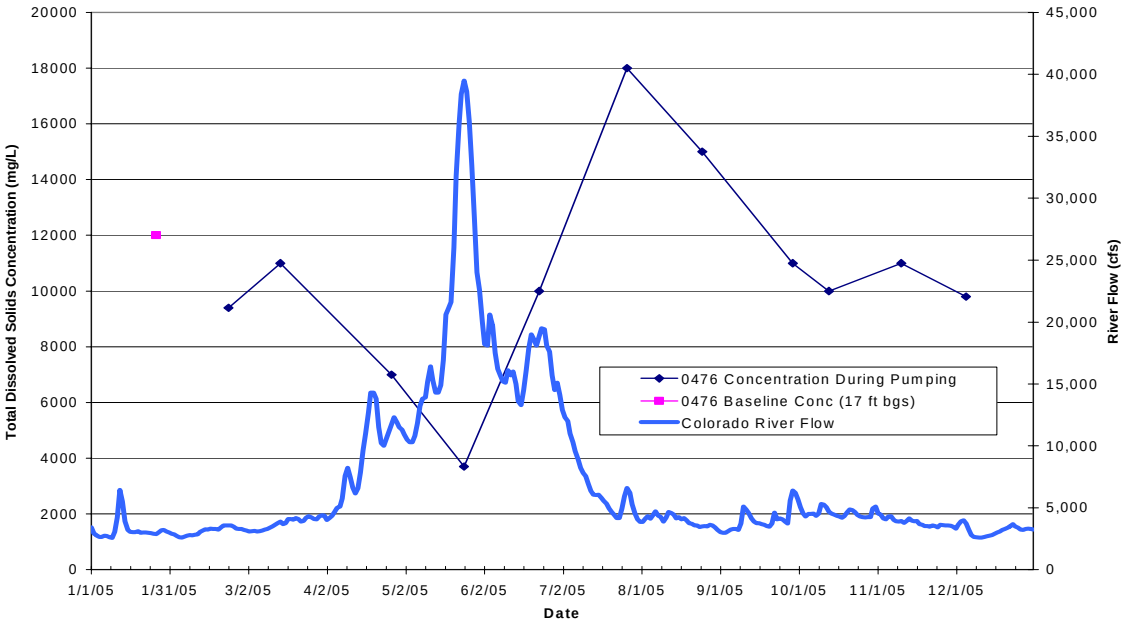



*Figure 9–4. TDS Concentrations at Extraction Well 476 and Colorado River Flow During 2005*

Some of the difference in TDS behavior between extraction well 470 and wells 472, 474, and 476 is probably caused by apparent variations in aquifer hydraulic conductivity observed in the alluvial aquifer as one moves from the southern end of Configuration 1 to the northern end. Data collected during a previous performance evaluation of IA ground water extraction (DOE 2005b) suggested that the hydraulic conductivity in the vicinity of extraction wells 470 and 471 is larger than the conductivities associated with the wells located farther to the north. Assuming this is true, ground water extraction at wells 470 and 471 has the potential to induce a steady flow of

fresh water from the river as peak runoff in the river subsides, whereas a longer time span is needed before pumping from wells to the north can create such steady flows. As a consequence, TDS levels at well 470 (Figure 9–1) never reach pre-peak levels, and TDS concentrations in the remaining wells have ample opportunity to fully rebound to pre-peak levels before a steady influx of river water is achieved.

Though the steep declines in TDS concentration at wells 472, 474, and 476 after August could be caused by eventual arrival of river water at the extraction wells in response to pumping, another viable explanation for these decreases is the arrival of recharge water resulting from irrigation on vegetation test plot C3 located about 60 ft to the west. Support for this latter possibility is provided in Figure 9–5, which shows measured ammonia concentrations at extraction well 477 during 2005. Post-peak runoff concentrations in this case fall far short of pre-peak levels, and ammonia concentrations in succeeding months remain steady, suggesting that a steady inflow of relatively fresh water is controlling ammonia behavior. If this is the case, recharge water entering shallow ground water at test plot C6 also provides a likely explanation for the reduction in TDS levels observed at well 472, 474 and 476 in late 2005.

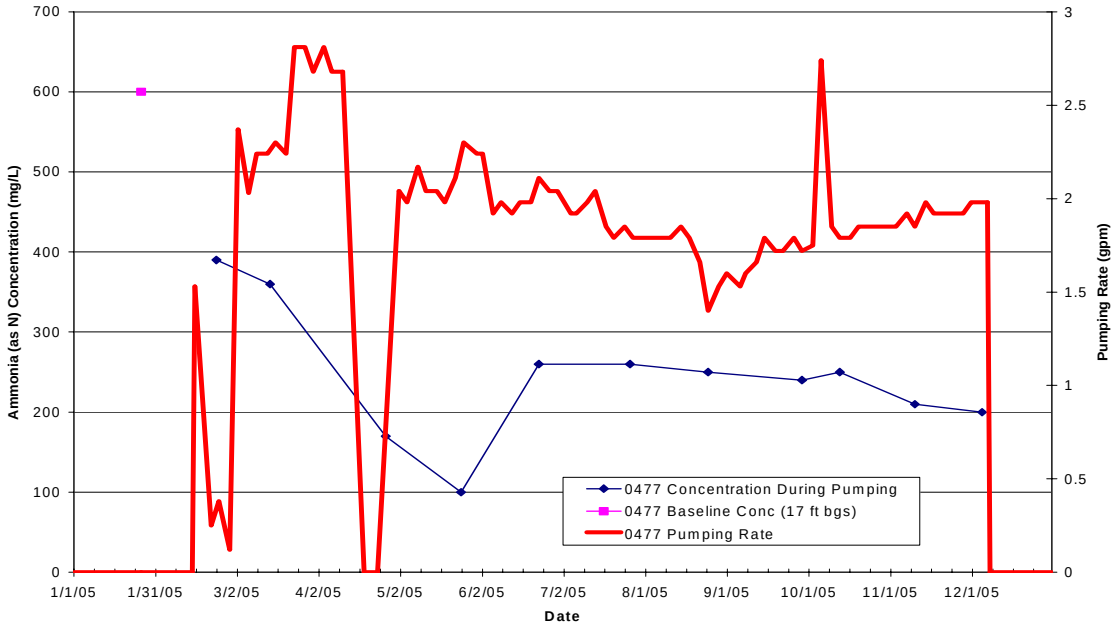



*Figure 9–5. Ammonia Concentrations at Extraction Well 477 and Total Pumping Rates at Configuration 1 During 2005.*

TDS concentrations (Figure 9–6) at extraction well 479 (on the north end of Configuration 1) during post-peak runoff months are similar to those for well 470 (Figure 9–1) in that concentrations remain well below pre-peak levels and are relatively constant throughout the remainder of the year. Rather than being caused by induced inflow of river water, this latter behavior appears to be related to the dilution effects provided by injection of freshwater at Configuration 2, located just north of well 479. Evidence for such a freshwater source is seen in a corresponding plot of uranium concentrations at well 479 (Figure 9–7), in which post-peak uranium levels far exceed their pre-peak equivalents. Because such behavior is most likely caused by an influx of oxygenated water, it is logical to assume that at least some of this water is provided by freshwater injection at Configuration 2. However, another possible source is the recharge water originating at vegetation test plot C3.

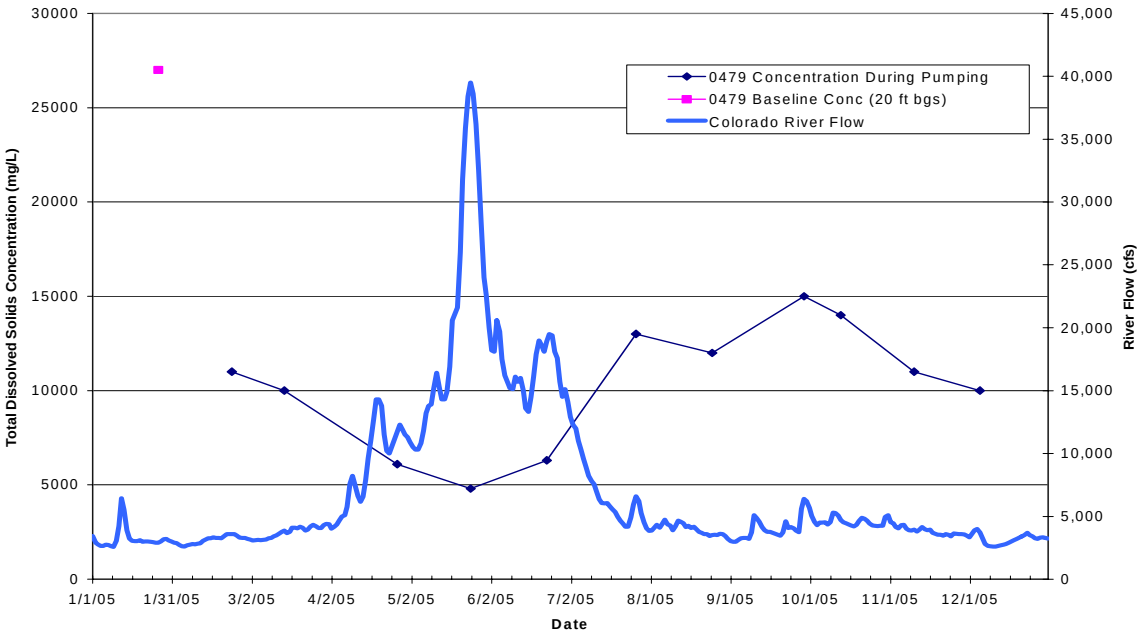



*Figure 9–6. TDS Concentrations at Extraction Well 479 and Colorado River Flows During 2005*

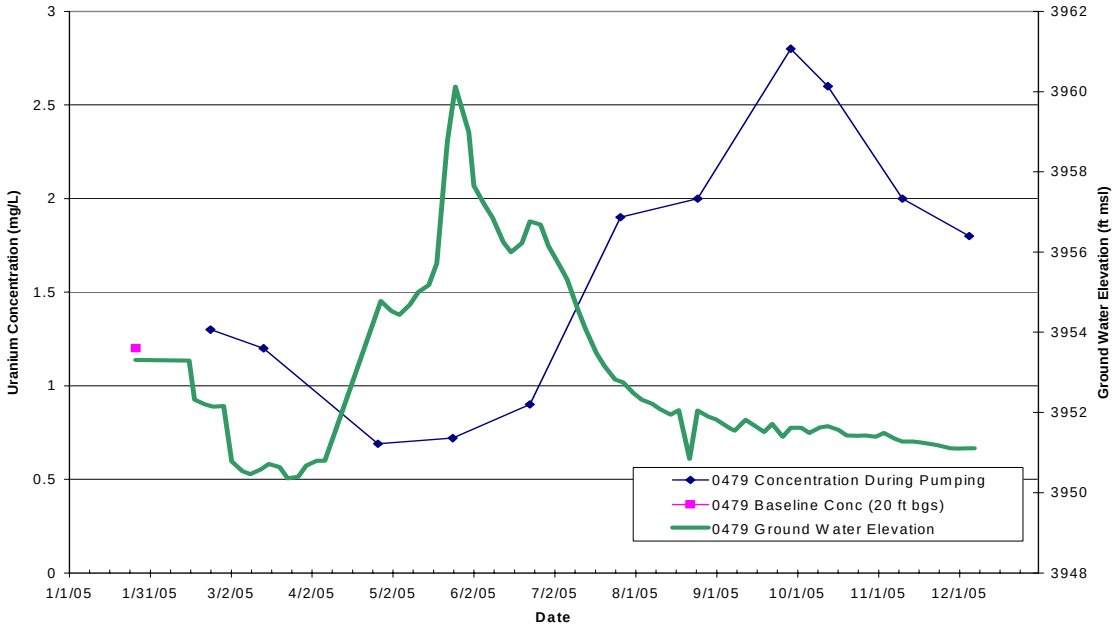



*Figure 9–7. Uranium Concentrations at Well 479 During 2005*

### 9.1.2 Extraction Well PW02

Extraction well PW02 (Figure 3–1) was generally sampled on a monthly basis after it was added to the ground water extraction system in early April 2005 (Table E−1, Appendix E). During the

September and October 2005 sampling events PW02 was shut down for various reasons, and samples were not collected. During the active pumping timeframe samples were collected directly from the discharge line of the dedicated submersible pump that has its intake set at a depth of approximately 55 ft bgs.

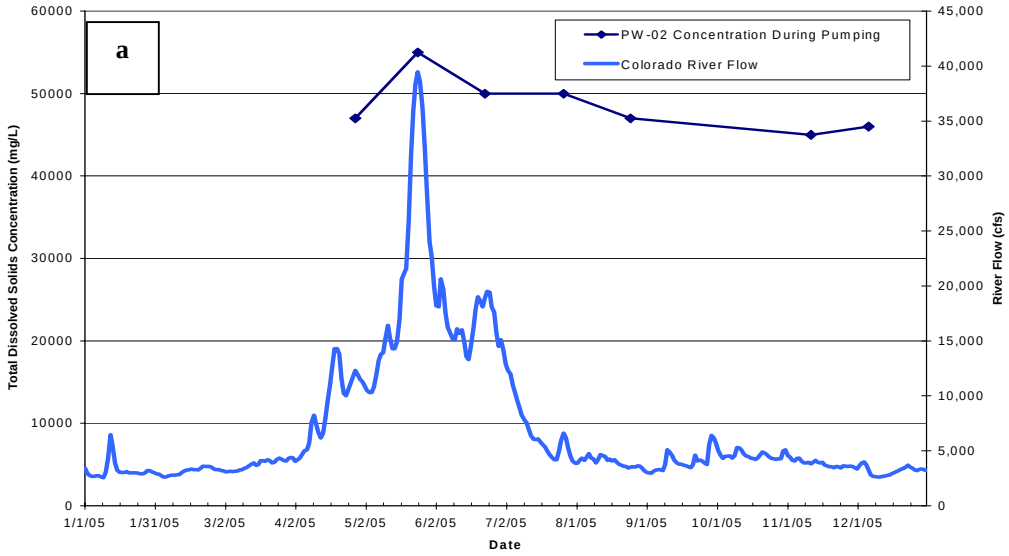
Figure 9–8 presents the TDS, ammonia, and uranium time vs concentration plot generated for data collected during 2005. Similar to the other Configuration 1 extraction wells, the TDS concentration is plotted with the Colorado River flow data (a), the ammonia data are plotted with the extraction rate data (b), and uranium concentration data are plotted with ground water elevation data (c).

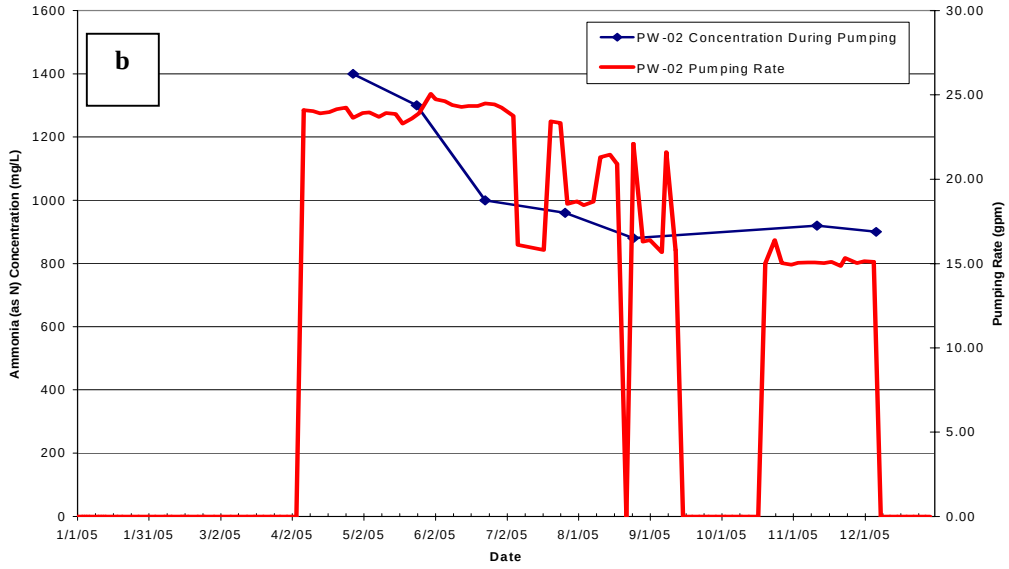
Baseline samples were not collected from this location prior to initiating pumping. However, a sample was collected near the end of April, at which time the well was in operation for approximately 2 weeks. During the initial ground water characterization investigation completed in 2002 (DOE 2002) profile samples were collected from this well, which is screened from 20 to 60 ft bgs. Results of the analysis of the sample collected from 53 ft bgs indicated a TDS concentration of 45,750 mg/L, 3,050 mg/L ammonia, and 2.25 mg/L uranium. The initial sample collected (with the pump intake set 55 ft bgs) after 2 weeks of pumping contained TDS, ammonia, and uranium concentrations of 47,000 mg/L, 1,400 mg/L, and 2.0 mg/L, respectively. TDS and uranium concentrations were comparable; however, ammonia was approximately one-half the 2002 concentration.

Compared to wells 470 through 479, the Colorado River flow caused minimal changes in the analyte concentrations. This difference can be explained by the depth at which these samples were collected (55 ft bgs) and the increased distance PW02 is located away from the bank of the Colorado River compared to Configuration 1. Sampling results indicate the TDS concentration ranged from 45,000 to 55,000 mg/L, ammonia ranged from 880 to 1,400 mg/L, and uranium ranged from 1.8 to 2.4 mg/L during the 2005 pumping season. As shown in Figure 9–8, each analyte reached its maximum concentration at different times.

### 9.1.3 Observation Wells

Configuration 1 observation wells (Figure 3–1) located in the upgradient well cluster (480, 481, 482, and 557), just downgradient of the well field axis well cluster (483, 484,485, and 558), and further downgradient well cluster (559, 560, 561, and 596) were sampled intermittently during the time when the well field was actively pumping between February and December 2005. In addition, well 403 and 407 were sampled on a regular basis. Prior to starting up the well field, baseline samples were collected from each of these locations in February 2005. During 2005 samples were from key wells within each cluster in order to monitor the movement of the brine interface during pumping. All analytical data are presented in Table G−1 of Appendix G.



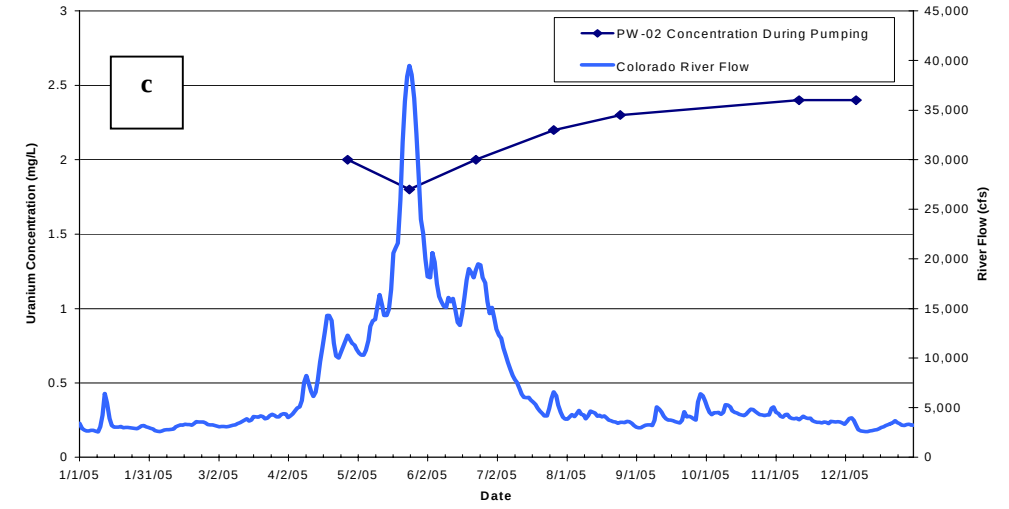




*Figure 9–8. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Well PW02 During 2005*

#### 9.1.3.1 Upgradient Well Cluster 480/481/482/557

Figure 9–9 presents analytical results of samples collected upgradient of Configuration 1 from depths of 18 ft bgs (well 480), 28 ft bgs (well 481), 36, 40, and 44 ft bgs (well 557), and 58 ft bgs (well 482). The TDS and uranium concentration data are plotted with the Colorado River flow data and the ammonia data are plotted with the extraction rate data. Unlike the extraction well plots, these were generated using 2004 and 2005 data in order to better evaluate the performance of the Configuration 1 system. The most complete data set collected from 2004 through 2005 was associated with samples collected from well 557 at a depth of 40 ft bgs. The majority of the data associated with wells 480, 481, and 482 were collected during 2004. The TDS plot [Figure 9–9(a)] indicates concentrations increase with depth, with the brine interface lying between 36 ft bgs (26,000 mg/L TDS) and 44 ft bgs (39,000 mg/L TDS) during non-pumping Colorado River base flow conditions (January 2005). A sample was not collected from 40 ft bgs during this time. The TDS concentration during this same time frame at a depth of 18 ft bgs was 20,000 mg/L.

This depth of the brine interface is consistent with results obtained from pervious investigations (DOE 2002−2005). The highest ammonia concentrations [Figure 9–9(b)] during the same non-pumping conditions were measured from 44 ft bgs (2,300 mg/L) with the lowest from 58 ft bgs (570 mg/L), while highest the uranium concentrations [Figure 9–9(c)] were measured between 28 and 44 ft bgs (at these depths the concentration ranged from 2.5 to 2.9, a sample was not collected from18 ft bgs at this time) and the lowest concentration of 0.6 mg/L measured from 58 ft bgs (well 482).

With limited data collected from this well cluster in 2005, the only conclusions that could be made are from 40 ft bgs. During 2005 peak runoff, well 557's TDS concentration at 40 ft bgs peaked significantly (from 30,000 to 70,000 mg/L between mid-March and late May, and back down to 29,000 mg/L by late June) in response to the spring runoff, which suggests that the elevation of the brine interface increases during extreme runoff stages.

A data logger designed to measure the specific conductance (in µS/cm) on a continual basis was installed at a depth of 39 ft bgs in well 557. These data were plotted with the Colorado River flow and Configuration 1 pumping rate for 2005 (Figure 9–10(a), and Figure 9–10(b), respectively). The data presented in this figure provides further evidence of the upgradient response to the increased river stage during the 2005 runoff. Similar to the TDS concentration fluctuation exhibited in Figure 9–9(a), the specific conductance increases at a depth of 39 ft bgs.

In addition, Figure 9–10(b) suggests after the runoff the brine interface elevation (in the form of the specific conductance measurements) responds to changes in the Configuration 1 pumping rate. The general trend is for each increase in the pumping rate, the brine surface elevation increases, and vice-versa. This trend is especially evident after the Configuration 1 well field was shut down in early December 2005 when the specific conductance decreased from over 112,000 down to 67,000 µS/cm.

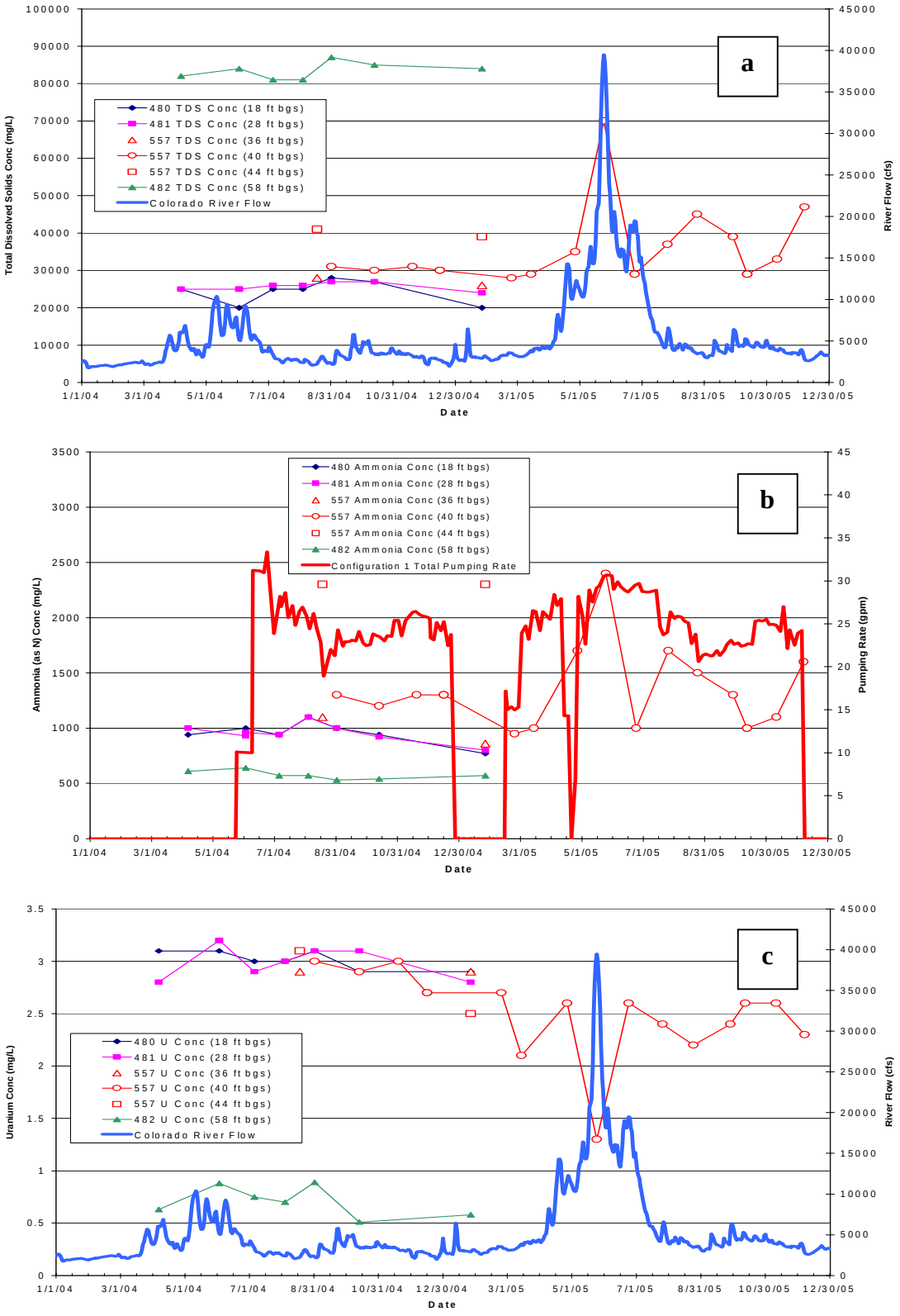



*Figure 9–9. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 480, 481, 482, and 557 During 2005*

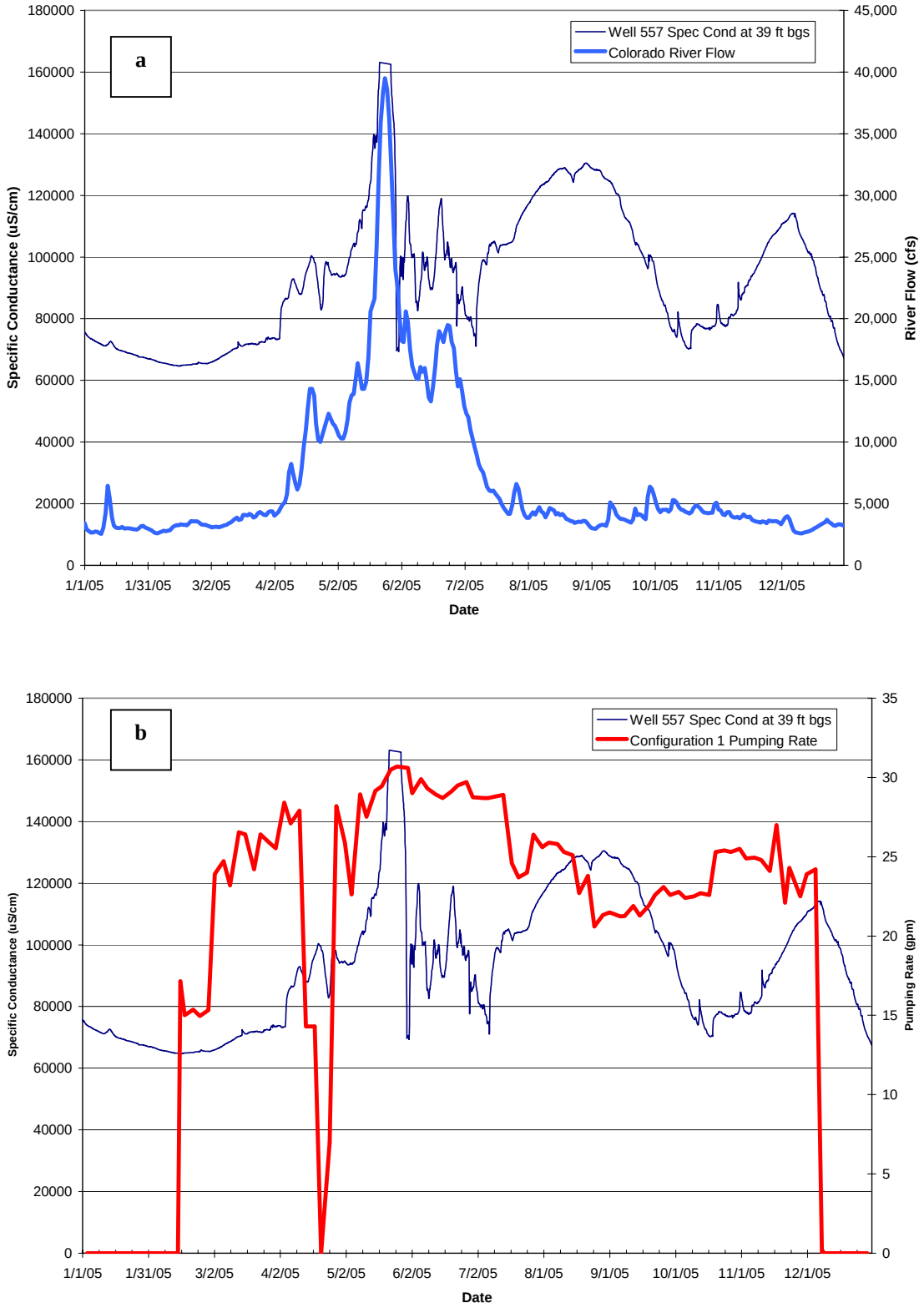



*Figure 9–10. Specific Conductance Data Measured From Well 557 (From 39 ft bgs) Plotted vs River Flow (a) and Configuration 1 Pumping Rate (b)*

The ammonia concentration also peaked (from 1,000 in mid-March up to 2,400 mg/L in late May, and then back down to 1,000 mg/L by late June) in response to the changing river stage, while uranium exhibited the opposite trend, with concentrations hitting the lowest level during the runoff.

Without shallow upgradient observation well data it was not possible to determine the impact, if any, that the flood irrigation from plot C3 had on the system. The Colorado River stage appeared to have the greatest control over any analyte concentration fluctuations, and it was not clear whether the Configuration 1 pumping significantly altered concentrations.

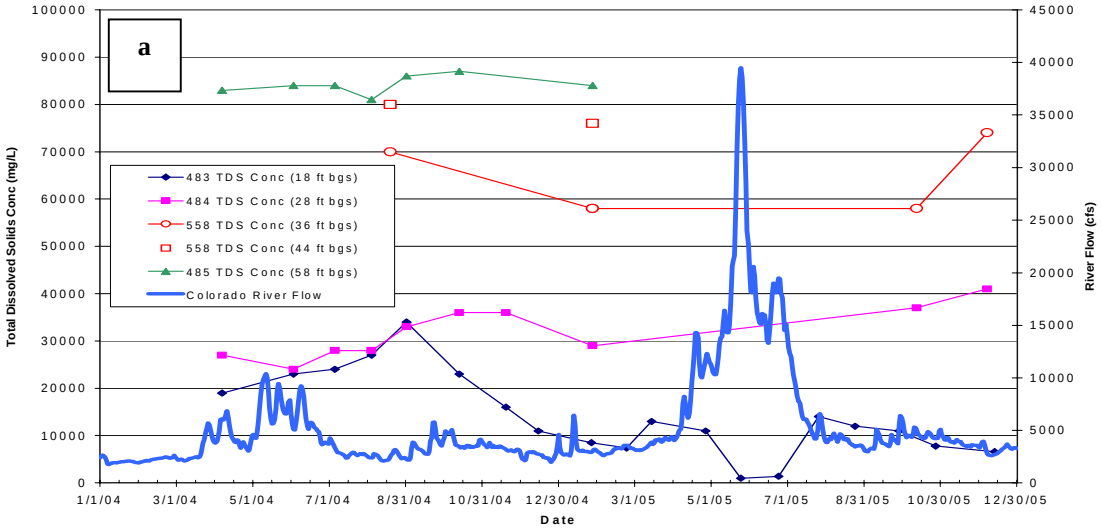
#### 9.1.3.2 Downgradient Well Cluster 483/484/485/558

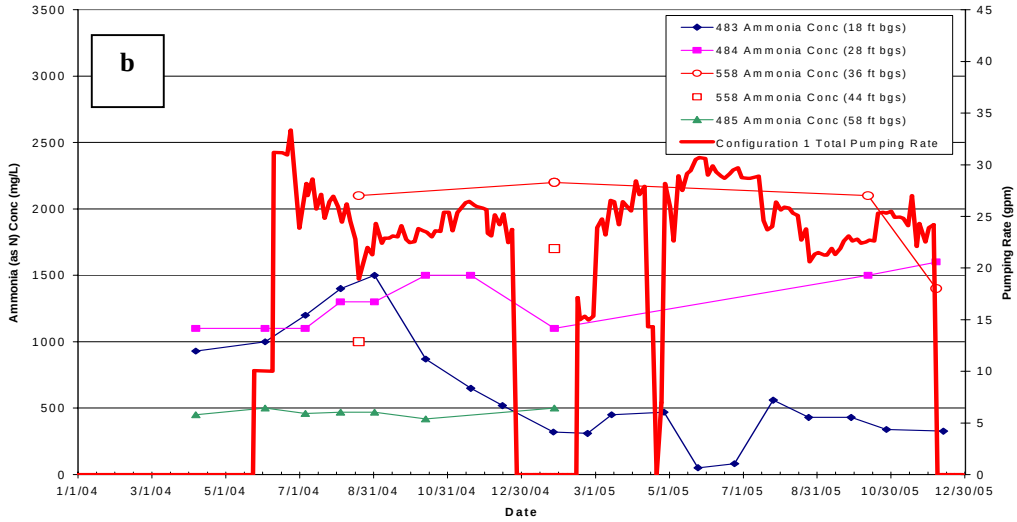
The downgradient well cluster located closest to the well field (less than 25 ft from the axis) provided data from depths of 18 ft bgs (well 483), 28 ft bgs (well 484), 36 and 44 ft bgs (well 558), and 58 ft bgs (well 485). The most complete data sets collected from 2004 through 2005 were associated with samples collected from wells 483, 484, and 558 at a depth of 36 ft bgs (Figure 9–11).

The TDS plot [Figure 9–11(a)] indicates concentrations increase with depth, with the brine interface lying between 28 ft bgs (29,000 mg/L) and 44 ft bgs (58,000 mg/L) during non-pumping Colorado River base flow conditions (January 2005). The highest ammonia concentrations [Figure 9–11(b)] under the same non-pumping conditions were measured from 36 ft bgs (2,200 mg/L) with the lowest from 18 ft bgs (320 mg/L), and the highest uranium concentration [Figure 9–9(c)] was measured at 28 ft bgs (2.7 mg/L) and the lowest concentration of less than 1.0 mg/L measured from 58 ft bgs (well 483).

The data are limited regarding response to the Colorado River spring runoff. Samples were only collected from well 483 (from 18 ft bgs) throughout 2005 on a consistent basis, and the only other samples were collected from wells 484 (28 ft bgs) and 558 (36 ft bgs) in October and December. The increased river stage during the peak runoff decreased the analyte concentrations from a depth of 18 ft bgs. This is consistent with the response observed from the Configuration 1 extraction wells.

Analytical results of samples collected from 18 ft appear to be influenced by the pumping whereas the concentrations from 28 ft bgs do not. Extraction wells in the vicinity of this well cluster are screened from approximately 10 to 20 ft bgs. Prior to the 2004 pumping season, the TDS concentration was 19,000 mg/L. A peak concentration of 34,000 mg/L was measured in early September 2004 (after four months of pumping). Concentrations then steadily decreased, reaching only 8,500 mg/L during the non-pumping timeframe between the 2004 and 2005 pumping season (the system was shut down December 24, 2004, and restarted on February 15, 2005). The TDS concentration at this depth did not increase beyond 14,000 mg/L for the rest of 2005. Such a response suggests the Configuration 1 pumping may cause a reduction in analyte concentrations within the shallowest zone of the aquifer after a 4-month lag time. The fact that the concentrations did not rebound quickly in response to the shut down of the pumping in December 2004 suggests the aquifer in this vicinity of the well field is not highly conductive.



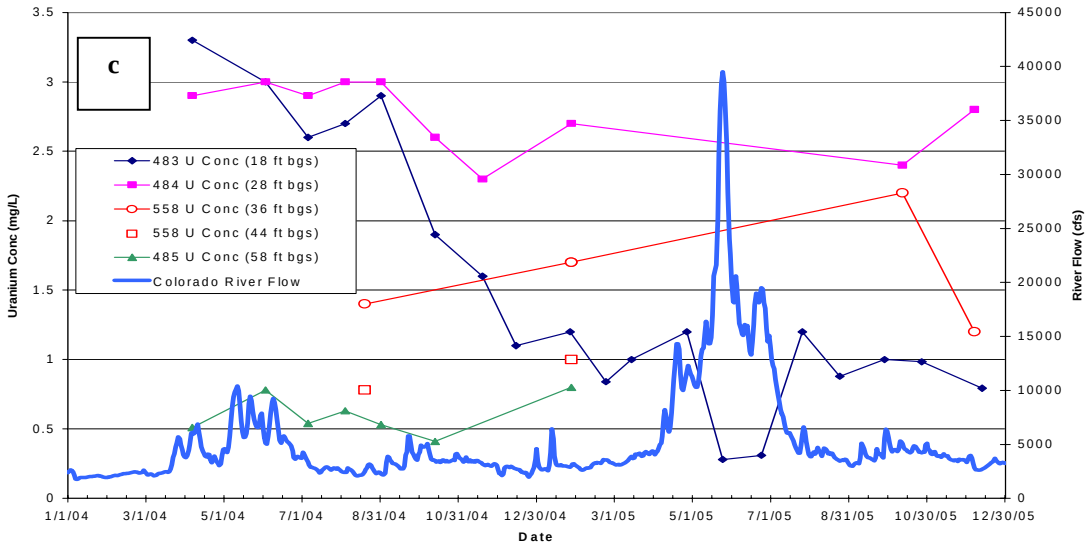




*Figure 9–11. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 483, 484, 485, and 558 During 2005*

### 9.1.3.3 Downgradient Well Cluster 559/560/561/596

The downgradient well cluster located closest to the river bank (approximately 65 ft off the well field axis) were sampled from depths of 19 ft bgs (well 559), 24 ft bgs (well 596), 31, 35, and 39 ft bgs (well 560), and 46, 50, and 54 ft bgs (well 561). The most complete data sets collected from 2004 through 2005 were associated with samples collected from wells 559 and 560 from a depth of 31 ft bgs (Figure 9–12).

The TDS plot [Figure 9–12(a)] indicates concentrations increase with depth, with the brine interface lying with the brine interface lying between 19 ft bgs (3,600 mg/L) and 31 ft bgs (61,000 mg/L) during non-pumping Colorado River base flow conditions (January 2005). A sample was not collected from 24 ft bgs during this time (well 596 was not installed until June 2005).

The highest ammonia concentrations [Figure 9–12(b)] under the same non-pumping conditions were measured from 31 and 36 ft bgs (2,200 mg/L) with the lowest from 18 ft bgs (130 mg/L), and the highest the uranium concentration [Figure 9–12(c)] was measured again at 31 and 39 ft bgs (1.7 mg/L) and the lowest concentration of 0.5 mg/L measured from 19 and 54 ft bgs (well 483).

Regarding the analyte concentration's response to increased river stage; only data from 19 and 31 ft bgs were collected on a consistent basis to evaluate the impact of the peak runoff. TDS and ammonia concentrations from 19 ft bgs were decreased prior to the increased river stage apparently from pumping, and remained low during the 7 weeks when the well field was shut down after the 2004 season. An identical trend was observed in the well 483, but with slightly higher concentrations.

The runoff apparently decreased TDS concentrations from 5,600 to 780 mg/L while ammonia concentrations decreased from 180 to 15 mg/L in response increased river stage. Uranium concentrations decreased from 0.7 to 0.2 mg/L over this same time period.

TDS and ammonia concentrations at a depth of 31 ft bgs also decreased (from 61,000 to 23,000 mg/L and 2,100 to 650 mg/L, respectively) due to the 2005 runoff, although the response was delayed (i.e., the minimum concentration apparently was reached near the end of June, and not late May when the river stage peaked). Uranium concentrations from 31 ft bgs decreased from 1.8 to 1.4 mg/L during this same time, and remained fairly constant after the peak (ranged from 1.5 to 1.7) for the remainder of 2005.

Comparing shallow observation wells 483 (located closer to the well field axis) and 559, the analyte concentrations decreased in the downgradient direction (toward the river). Figure 9–13 presents the TDS concentration data resulting from the sampling of these two locations compared to Configuration 1 pumping rates during 2004 and 2005.

Despite the fact samples were collected from different depths, the ground elevation of 559 is approximately 1 ft higher compared to 483. Therefore, the samples were collected from approximately the same elevation. Figure 9–13 exhibits how the concentrations at both locations initially increased due to pumping, and then slowly decreased after prolonged pumping resulted in river water being pulled toward the well field. Concentrations remained low through the non-pumping time period, started to rebound (possibly a delayed response to shutting down the pumps), and then were decreased by the increased river stage. After the runoff subsided, the concentrations initially rebounded, and then decreased again due to the prolonged pumping.

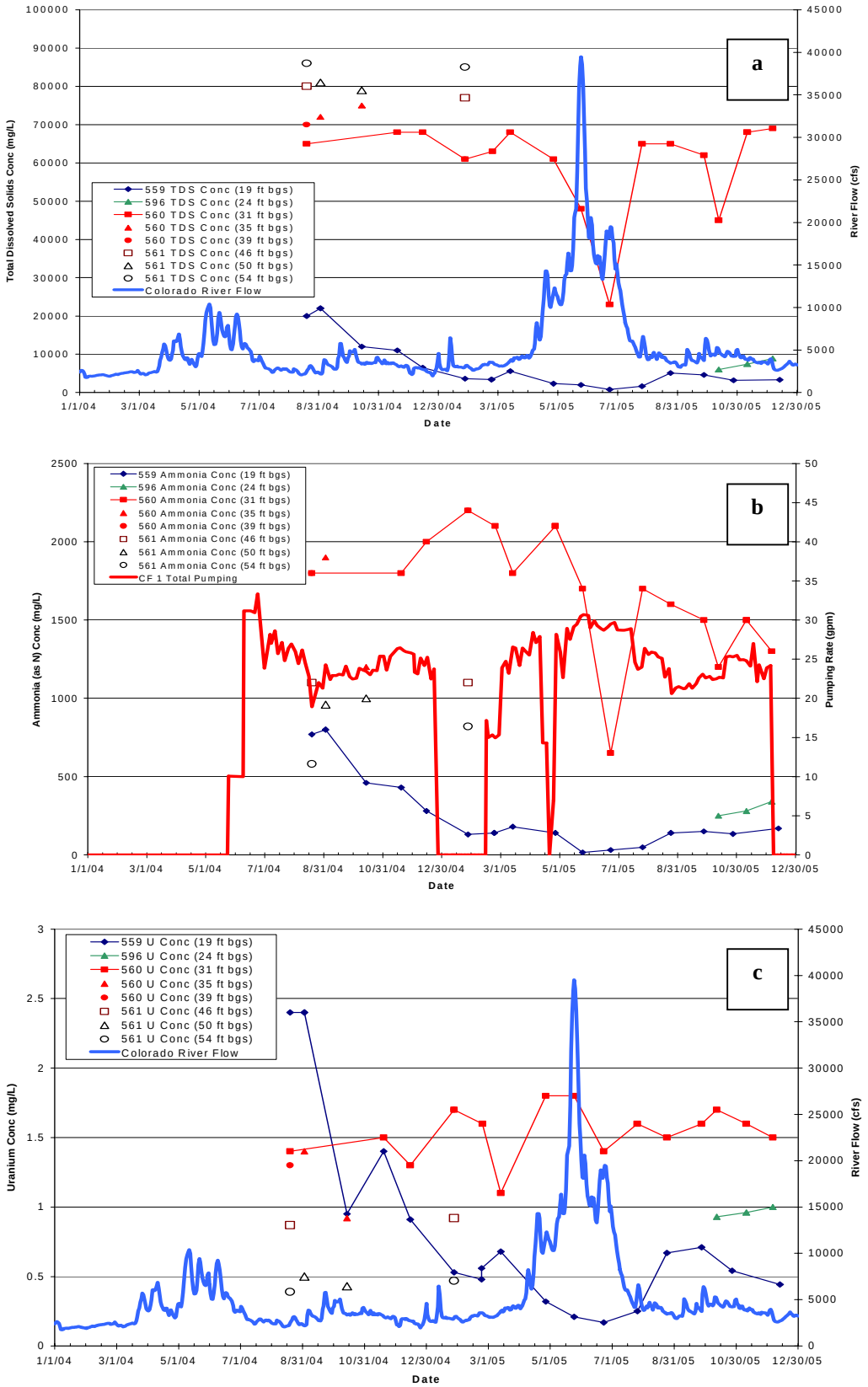



*Figure 9–12. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 559, 560, 561, and 596 During 2005*

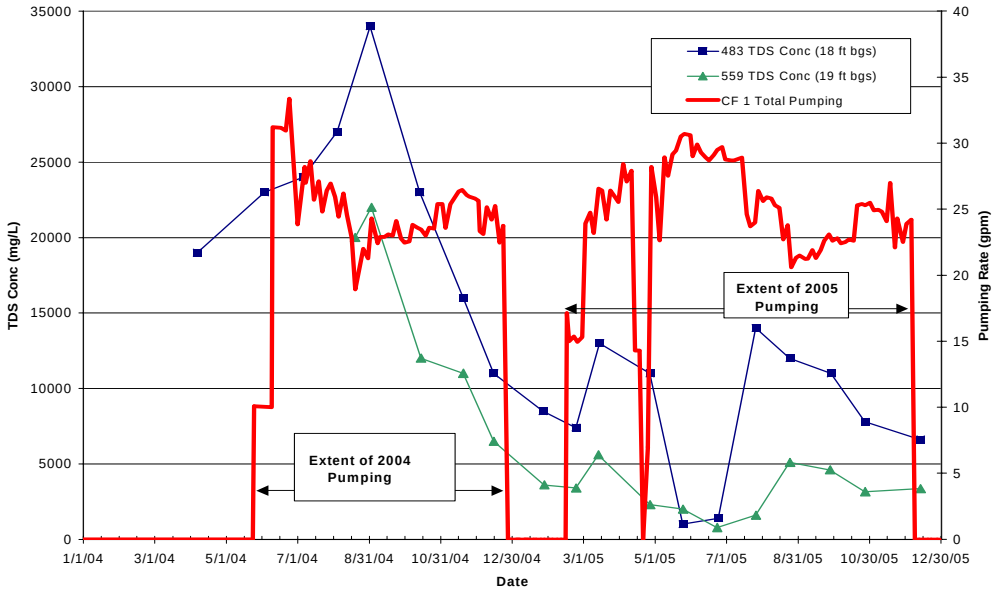



*Figure 9–13. TDS Concentrations at Wells 483 and 559 and Total Configuration 1 Pumping Rate During 2005*

### 9.1.3.4 Observation Wells 403 and 407

Data collected from observation wells 403 and 407 (Figure 9–14) exhibit similar general trends when compared to other shallow downgradient wells 483 and 559. However, there are some fluctuations in the data that provide additional information regarding the differences in the conductivity of the aquifer in the vicinity of Configuration 1.

Of particular interest is the plot showing ammonia data with the well field pumping rate data [Figure 9–14(b)]. As mentioned before, in the shallow zone ammonia and uranium concentration fluctuations tend to follow the trends of the TDS data concentrations. Close inspection of this plot reveals that during the non-pumping time period between the end of the 2004 pumping season and the start of the 2005 season the well 403 ammonia concentration remains low, while the 407 concentration rebounds significantly. Once the pumping starts up again, ammonia concentrations from well 403 slightly increase (similar to the delayed response to the end of the pumping exhibited by 483 and 559), and then level out. Well 407 concentrations immediately decrease, and remain low through the end of 2005. Such a response is further evidence that suggests the southern end of the Configuration 1 well field is more conductive compared to the northern end.

The data also suggest wells 403 and 407 did not exhibit a significant response to the increased river stage despite being located just off the riverbank. Pumping apparently decreased analyte concentrations to the point the flux of freshwater into the aquifer over a short period of time did not have such a dramatic affect on the concentrations. This provides additional evidence that river water is responsible for decreased concentrations during active pumping, since the system responds the same to an influx of river water during spring runoff time periods.

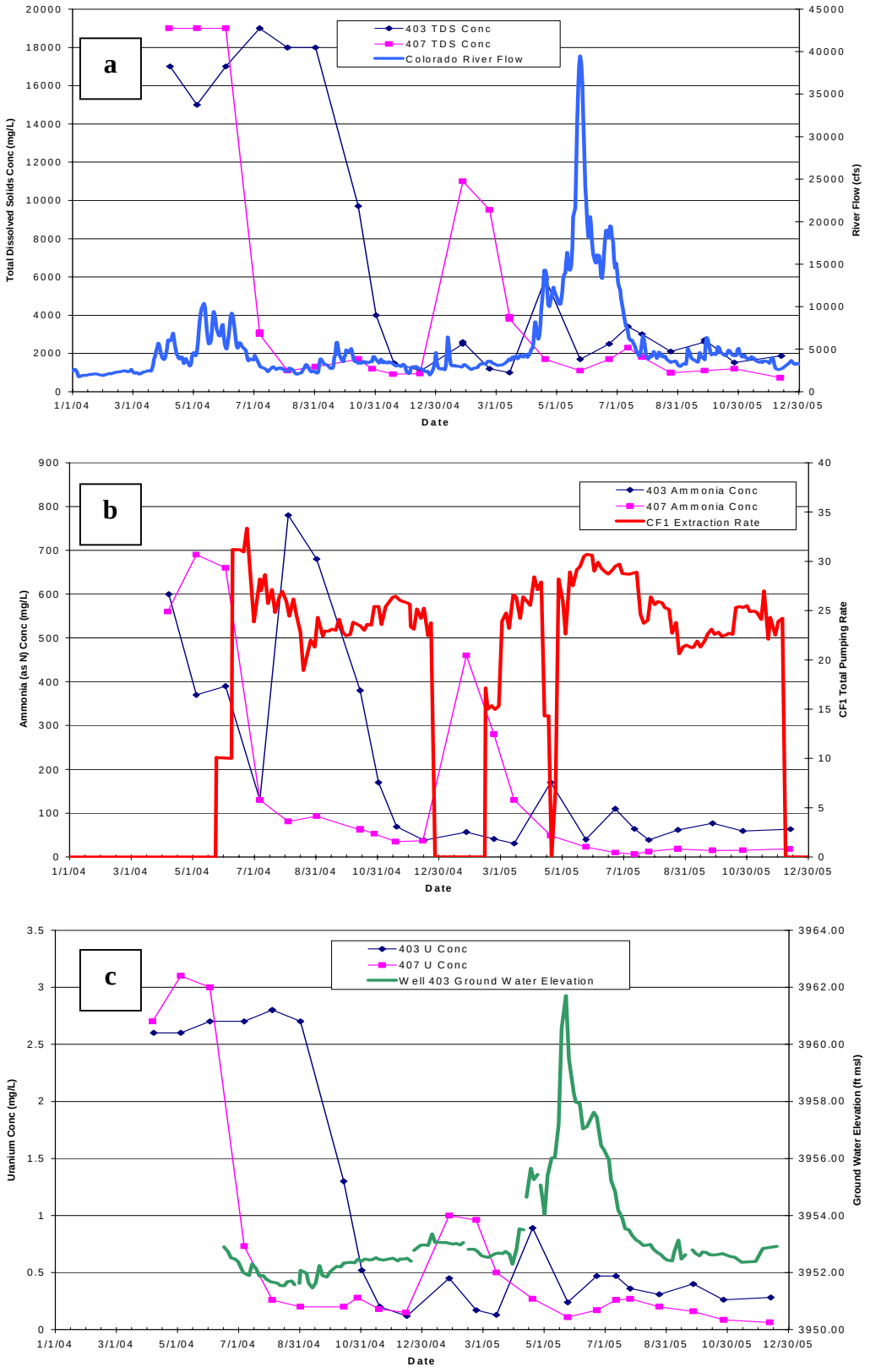



*Figure 9–14. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 403 and 407 During 2005*

#### 9.1.3.5 Summary of Observation Well Chemical data

In conclusion, during 2004 the analyte concentrations in the shallow aquifer zone appeared to decrease, most likely due to the influx of river water toward the well field. After the pumps were turned off from late December 2004 through mid-February 2005, the concentrations remained low, suggesting the aquifer in this vicinity is not highly conductive. The concentrations started rebounding in mid-March, possibly a delayed response to the lack of pumping. Shortly thereafter, the river stage increased significantly in response to the spring runoff, and the analyte concentrations decreased once again. After the stage subsided, the concentrations increased slightly to pre-runoff levels, but the continued pumping limited the magnitude in which these concentrations rebounded, and they returned only to late 2004 pumping season levels.

### 9.1.4 Riverbed Piezometers

The Configuration 1 piezometers are split into three clusters containing three piezometers each that are installed at different depths. Refer to Table 3–1 for piezometer construction details and Figure 3–1 for locations. Table G−2 of Appendix G contains all the analytical data.

Figure 9–15 presents the analytical results of samples collected from riverbed piezometers 562, 563, and 606, all of which are located at the base of the bank (i.e., closest to the well field axis). Figure 9–16 presents similar plots for the piezometers 608, 611, and 612 (which are located at an intermediate distance between the base of the riverbank and the Colorado River), and Figure 9–17 presents the plots for piezometers 564, 565, and 607 (located off the Colorado River. The TDS and uranium concentration data are plotted with the Colorado River flow data and the ammonia data are plotted with the Configuration 1 extraction rate data. Limited sample volumes available for laboratory analysis translated into limited data associated with these locations.

Data are especially limited from riverbed piezometers during the peak spring runoff time frame due to the inability of reach these locations during periods of high river stage.

The analyte concentrations associated with piezometers 562, 563, and 606 are significantly lower compared to the observation wells located 35 ft away. The data are inconclusive regarding response to increased river stage in 2005 (due to lack of data). The concentrations decrease toward the end of 2005.

The data associated with piezometers 611, 612, and 608 are very limited due to the fact that these piezometers were not installed until late September 2005. TDS and ammonia concentrations increase with increasing depth of the piezometer completions, while the highest uranium concentration was measured in the intermediate completed piezometer (612). Analyte concentrations at these locations did not significantly fluctuate during the late 2005.

Similar to the results obtained from the base of bank piezometers, samples collected from the near river piezometers 564, 565, and 607 had lower analyte concentrations compared to the observation wells, and TDS and ammonia concentrations generally increased with increasing depth. These data are also inconclusive regarding response to increased river stage in 2005, and 564 and 565 concentrations decrease toward the end of 2005 while 607 concentrations increase during the last months of 2005.

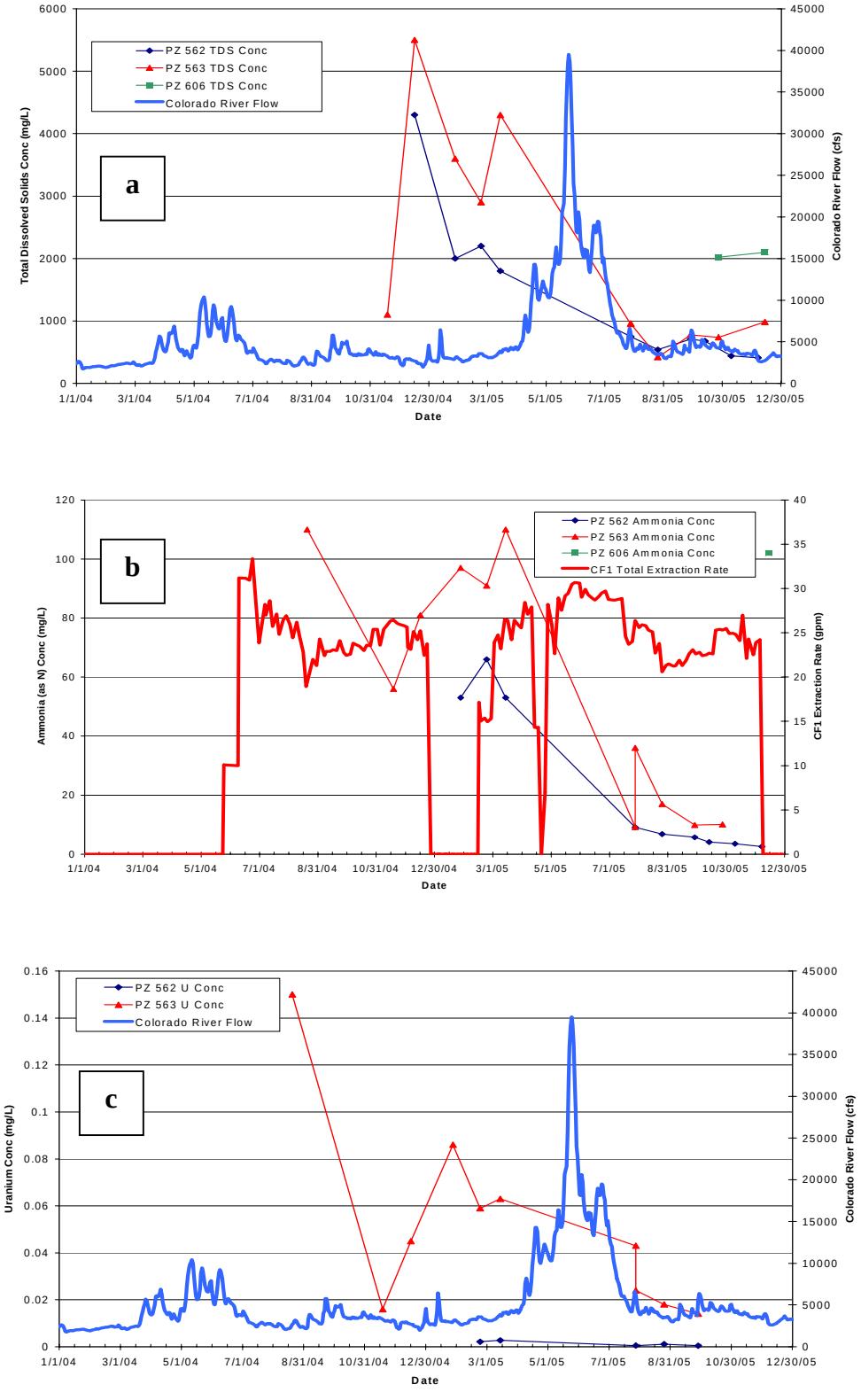
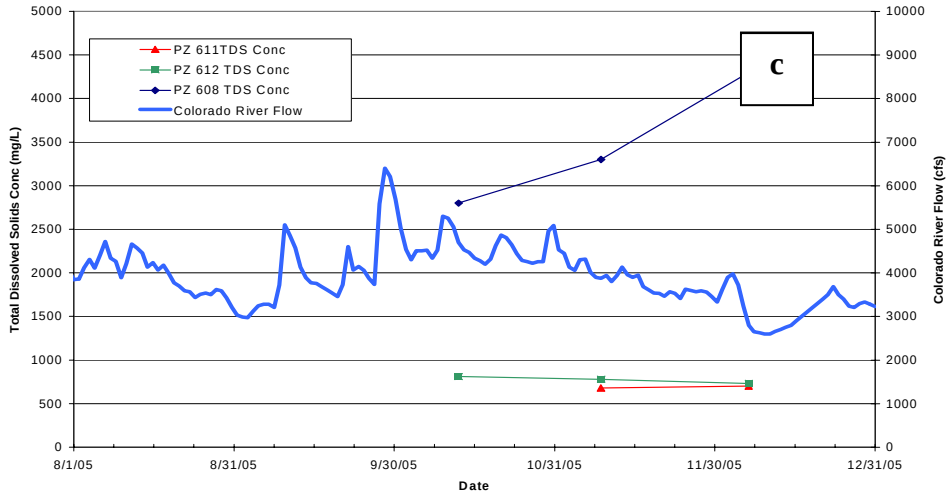
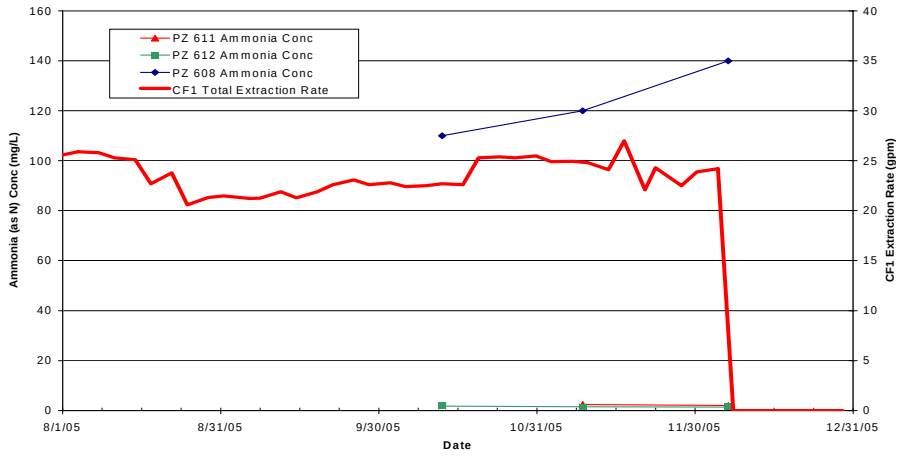



*Figure 9–15. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 562, 563, and 606 During 2005*



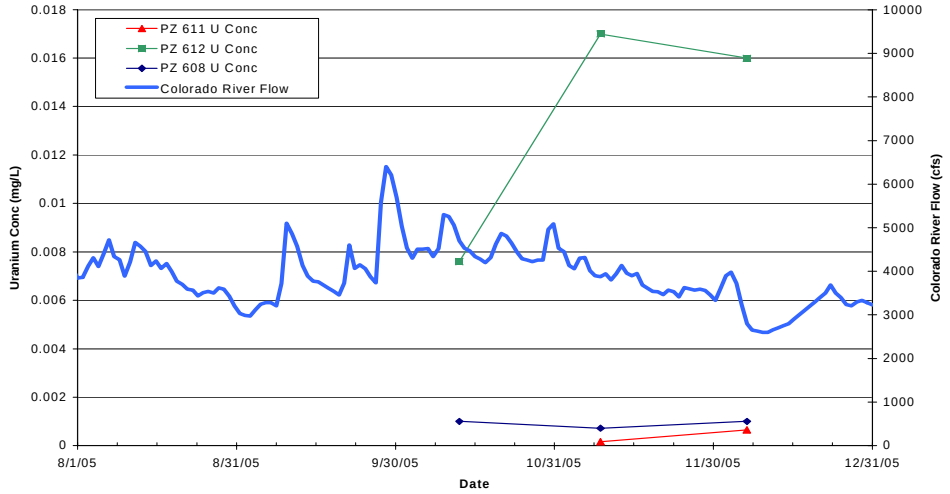




*Figure 9–16. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 608, 611, and 612 During 2005*

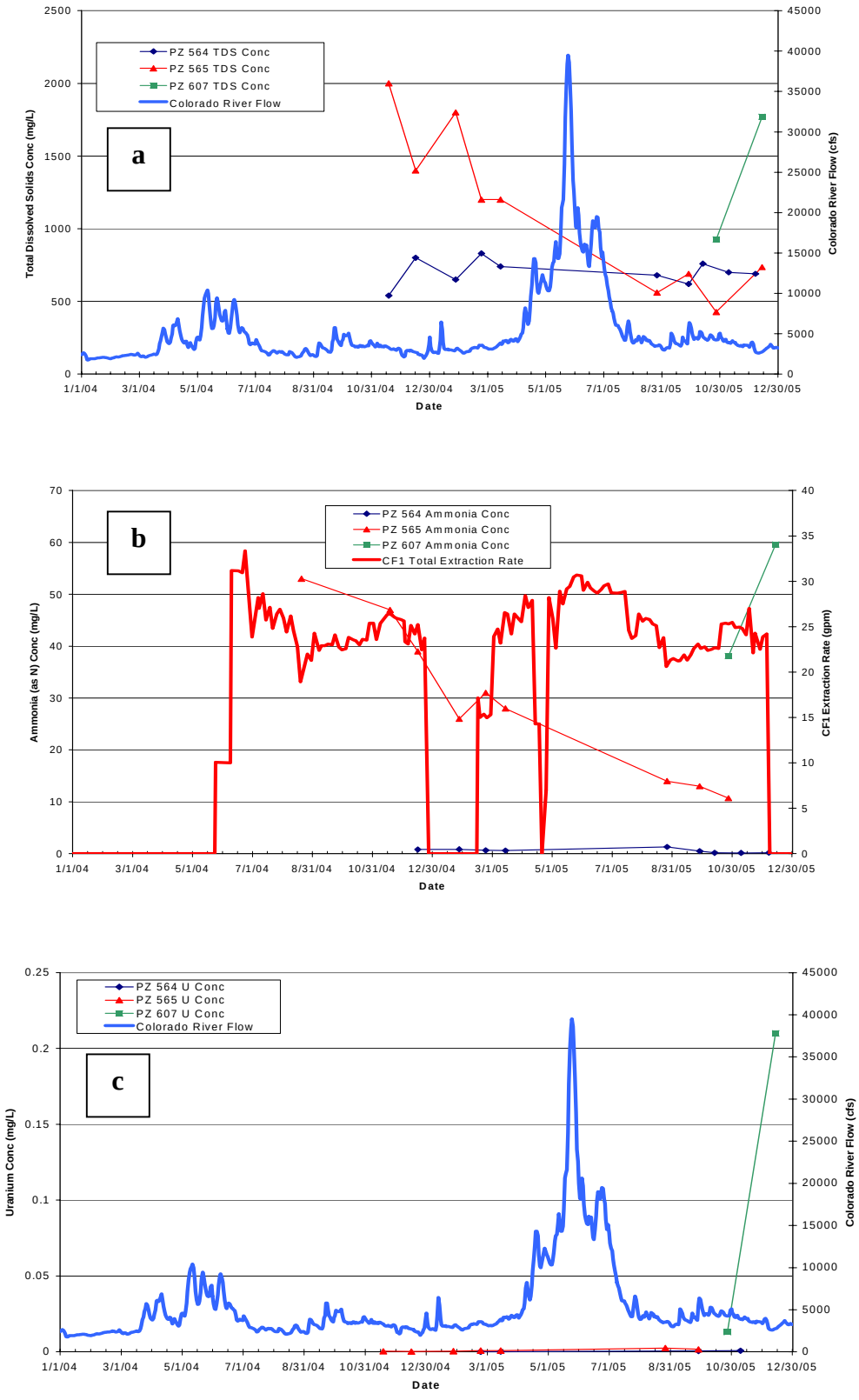



*Figure 9–17. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 564, 565, and 607 During 2005*

### 9.1.5 Surface Water Locations

Surface water samples were collected at the base of the riverbank near the 562/563/606 piezometer cluster (location 216) and along the edge of a main side channel of the Colorado River, off the 564/565/607 piezometer cluster (location 245) on a frequent basis in 2005. Figure 3–1 shows these locations in relationship to Configuration 1. The analytical results (Table G−3, Appendix G) obtained from the samples collected at surface water locations 216 and 245 are presented as Figure 9–18.

As the data exhibit, the TDS, ammonia, and uranium concentrations at location 216 peaked during mid-December 2004, just prior to the shut down of the Configuration 1 well field for the winter. Data were not available from location 245 during this time. The following month the 216 concentrations decreased significantly (ammonia decreased from 140 to 57 mg/L from mid-December to late January 2005), and remained low through the remainder of 2005. The source of this peak cannot be easily explained. As the plots indicate, the river stage at the time just prior to and after this concentration peak remained fairly constant, ranging from 2,100 to 3,490 cfs during the month preceding this sampling event. Appendix H−2 contains photographs of location 216 during each sampling event from October 2004 all the way through November 2005.

At the same time the TDS concentration peaked in the surface water, the closest piezometers (562 and 563) also exhibited a sharp increase in TDS [Figure 9–15(a)]. This additional data indicates the peak concentration observed in the surface water is not likely due to sampling-related issues.

At the time this sample was collected, the Configuration 1 well field had been pumping between 20 and 25 gpm continuously for 6 months. Samples collected during October and November 2004 were both below 1,000 mg/L TDS, which is consistent with concentrations measured earlier in the 2004 pumping season and typical of concentration measured at other surface water locations. Field parameter data collected by the USGS at the Cisco, Utah, gaging station (Station No. 09180500) during the month prior and the month after this sample was collected indicated the specific conductance of the river ranged from 1,030 to 1,500 µS/cm during this time period, and was 1,290 µS/cm (which translates into a TDS concentration of just over 1,000 mg/L) on the day the sample was collected.

Apparently the location 216 TDS concentration increased again (from 300 to 1,800 mg/L) in response to the peak runoff. Location 245 could not be reached during this high river stage, and data are not available to evaluate the analyte concentration response from this location. Location 245 TDS, ammonia, and uranium concentrations remained consistently low during 2005.

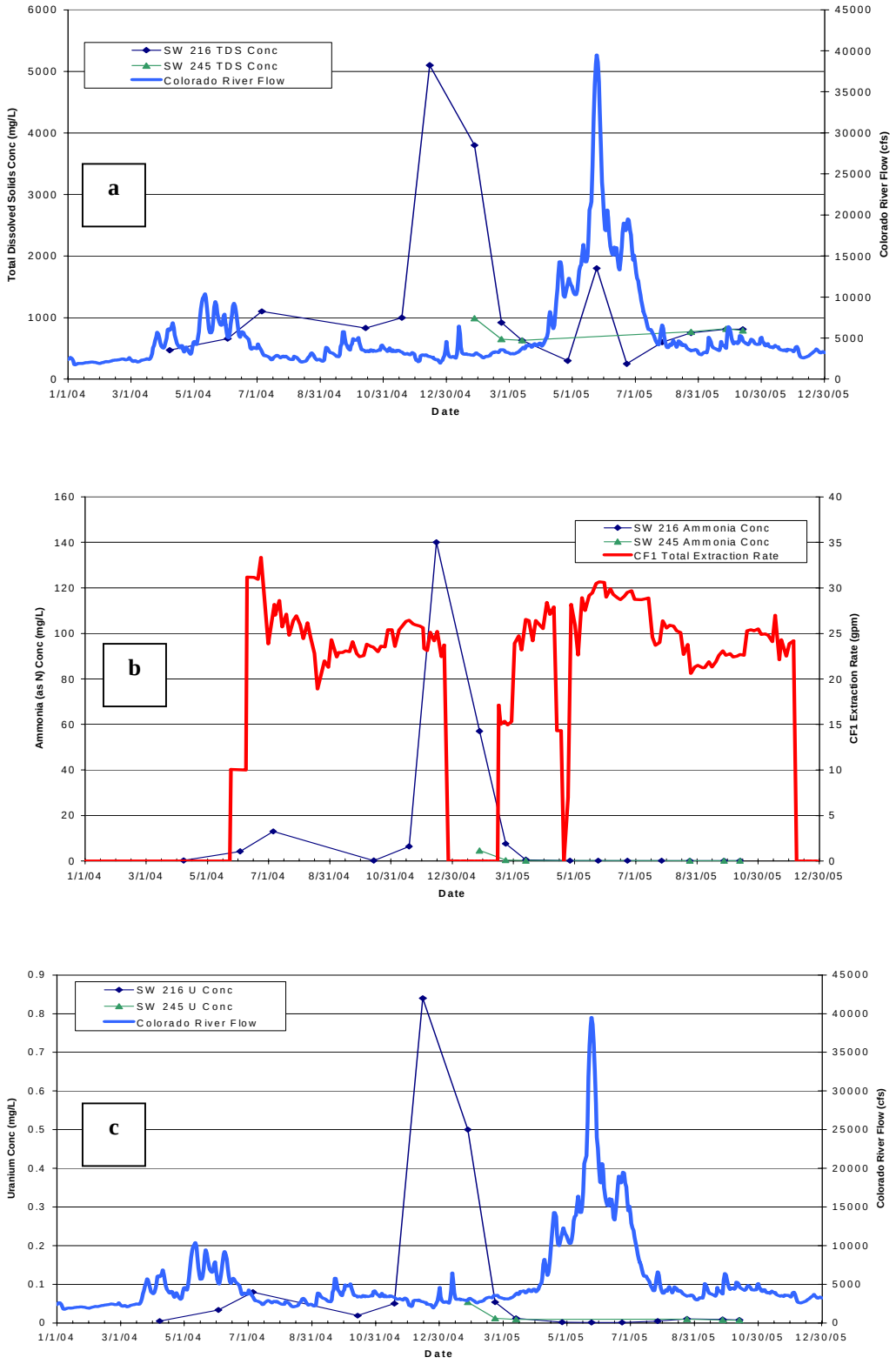



*Figure 9–18. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Surface Water Locations 216 and 245 During 2005*

### 9.1.6 Spatial Constituent Distributions in Fall 2005

The attenuation effects of pumping from Configuration 1 wells during 2005 are also illustrated using plots of TDS, ammonia, and uranium levels in October and November 2005 along Section B-B' (Figure 8–1), oriented orthogonal to the river along the centerline of Configuration 1. The cross-sectional view of TDS concentrations (Figure 9–19) indicates that continued ground water extraction during the year caused salinity levels in four piezometers (locations 562, 563, 611, and 612) near the side channel to decrease significantly. TDS levels at all four of these locations were less than 1,000 mg/L in fall 2005, and similarly low concentrations were observed in the riverbed piezometer cluster located close to the main river channel. This spatial distribution suggests that the discharge of contaminated water to the side channel had been completely cut off before fall 2005, and that pumping of Configuration 1 wells during the year had also induced infiltration of surface water from the main river channel. Comparison of the results in Figure 9–19 with the equivalent plot of baseline TDS concentrations (Figure 8–3) in January 2005 provides further graphical evidence that both of these phenomena were likely.

Figure 9–19 graphically illustrates the upconing of brine below the Configuration 1 wells in fall 2005; upconing is particularly evident at the observation well cluster located about 20 ft downgradient of the extraction wells. The TDS level of 37,000 mg/L observed in observation well 484 (depth ≈ 28 ft bgs) at the time (Figure 9–19) is noticeably larger than the TDS concentration measured at this well in January 2005 (29,000 mg/L). However, the TDS concentration at shallow well 483 (depth ≈ 19 ft bgs) in this cluster is only 7,790 mg/L. This large difference in concentration over such a short vertical distance apparently results from the induced flow of river and hyporheic zone water toward the Configuration 1 extraction wells when they are pumping.

Evidence for saltwater upconing is also observed at the observation well cluster located closer to the river. In October and November 2005, a TDS concentration of 68,000 mg/L was measured at a depth of 31 ft bgs in well 560 (Figure 9–19), whereas brine could not be detected at this well cluster during January 2005 (Figure 8–3). Yet the relatively low TDS level in shallow well 559 (depth ≈ 19 ft bgs) in October and November was only 3,150 mg/L, which provides further evidence for the migration of river water and hyporheic zone toward the extraction wells in previous months. It is interesting to note that the lower TDS concentration observed in shallow well 559 (~70 ft downgradient of the extraction wells) in comparison to the TDS level at upgradient shallow well 483 (~20 ft downgradient of the extraction well field) probably reflects the potential for the greatest amount of saltwater upconing to occur in the immediate vicinity of the extraction wells.

Similar spatial trends to those mentioned above regarding TDS levels are also seen in the cross-sectional plot of ammonia concentrations in fall 2005 along the Configuration 1 centerline (Figure 9–20). $NH_3$-N levels in piezometers 562 and 563, located on the west side of the side channel, are both less than 11 mg/L, well below the respective ammonia concentrations of 53 and 97 mg/L observed at these locations under baseline conditions (Figure 8–8). Ammonia concentrations in the two shallowest piezometers of the observation cluster located close to the main river channel are also lower in fall 2005 (Figure 9–20) than they are under baseline conditions, although the concentration changes are less dramatic. Ammonia levels in the

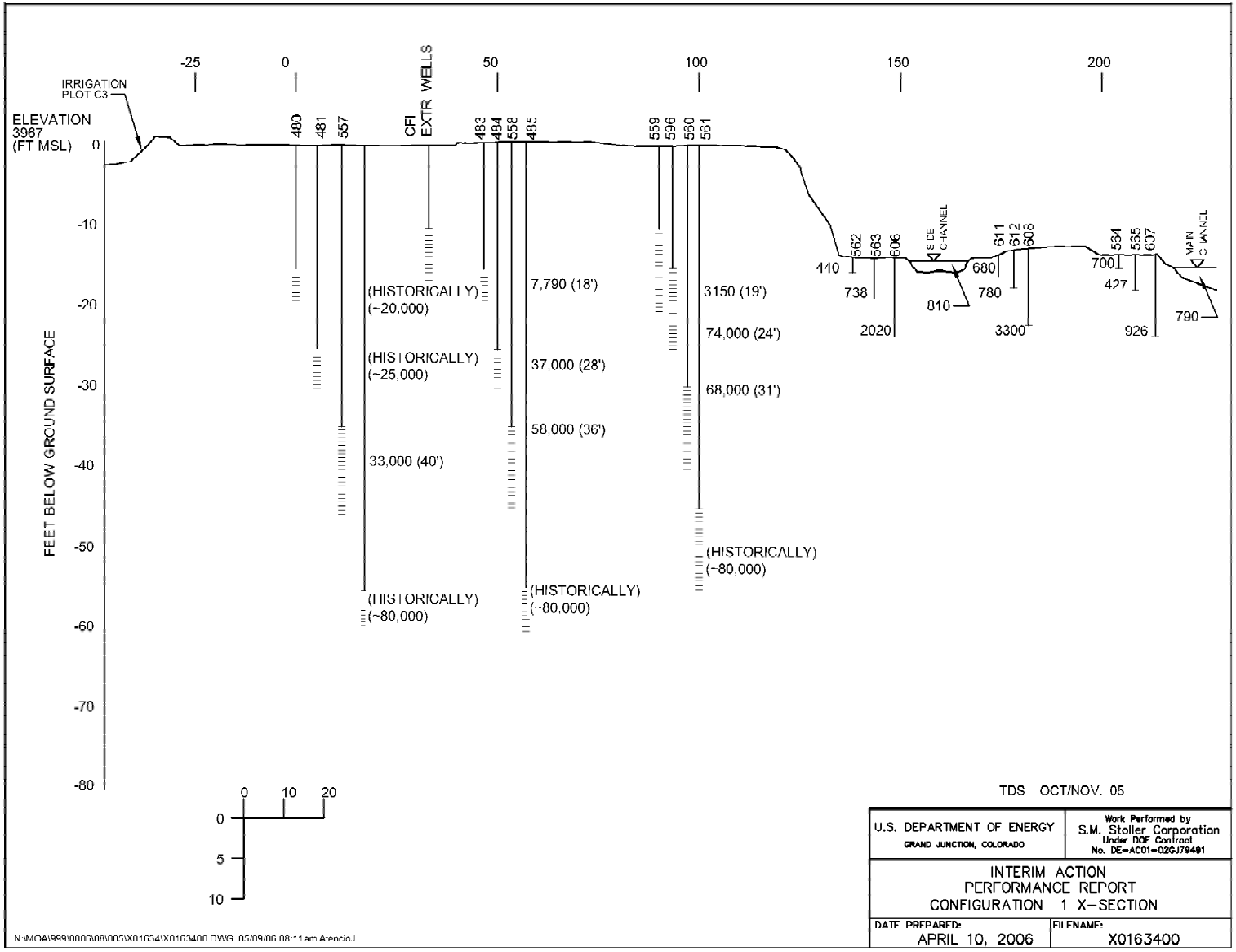



*Figure 9–19. TDS Concentrations Along Section B-B' in the Configuration 1 Area During October and November 2005*

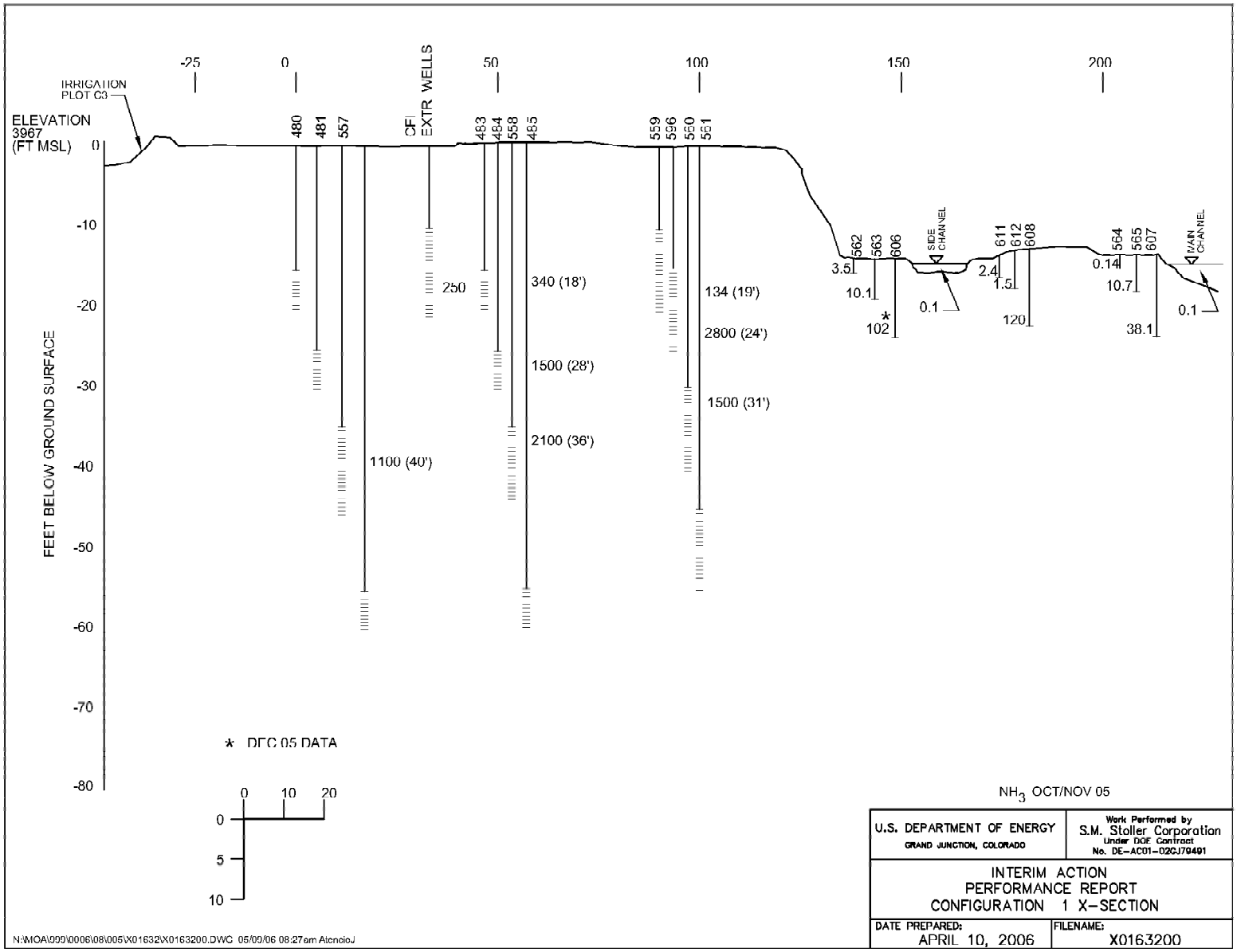



*Figure 9–20. Ammonia (as N) Concentrations along Section B-B' in the Configuration 1 Area During October and November 2005*

shallowest wells within the two observation well clusters lying between the extraction wells and the riverbed are also relatively low, ranging from 340 mg/L (well 483) to 134 mg/L (well 559). Again, these shallow aquifer concentrations probably result from the induced flow of river and hyporheic zone water toward the Configuration 1 extraction wells. In addition, the larger ammonia concentration in shallow well 483 in comparison to well 559 probably results from the potential for greater upconing of saltwater near the extraction wells.

The spatial distribution of measured uranium concentrations in fall 2005 at Configuration 1 (Figure 9–21) provides even more evidence of contaminant attenuation. Uranium levels in the riverbed piezometers range from less than 0.005 mg/L to 0.017 mg/L. Because the values on the low end of this range fall within the range of uranium concentrations typically observed in river water upstream of the site (Table 8–1), it is likely that significant mixing of river water and ground water occurs in the shallow subsurface of the riverbed area. Though it is also likely that pumping from Configuration 1 wells helps induce such mixing, some of the uranium attenuation below the riverbed could be the result of ambient hyporheic zone processes, including heterotrophic microbial activity that leads to chemically reducing condition and concomitant precipitation of dissolved uranium (e.g., Anderson and Lovley 2006).

Plots of TDS, ammonia, and uranium concentrations in October and November 2005 along the section paralleling the river (Section A-A' in Figure 8–1) are presented in Appendix I. These graphical depictions of constituent distributions in ground water near the river's west bank include data collected at well clusters in the Configuration 1, 2 and 3 areas in fall 2005, and thus provide another perspective on the effects of ground water extraction at Configuration 1, particularly in comparison to areas located north Configuration 1.

## 9.2 Configuration 3

### 9.2.1 Extraction Wells 670−679

The Configuration 3 extraction wells (Figure 3–3) were initially sampled to obtain a baseline vertical profile of the water chemistry in early August after the wells were installed in June and developed in July 2005. The results of this sampling event are discussed in Section 3.6.1. Dedicated submersible pumps were installed (intakes set at a depth of approximately 40 ft bgs) inside remediation wells 670 through 679 and the Configuration 3 well field was consistently pumping by late August 2005. Ground water discharge samples were collected starting in late September 2005, with the analytical results used to assist in evaluating the performance of the system. Sampling continued on a monthly basis through December 2005, at which time the entire Interim Action well field was shut down for the winter. Table E−3 of Appendix E contains all the analytical data.

Figure 9–22 is an example of a TDS, ammonia, and uranium time vs concentration plot generated for data collected during 2005. Similar to the plots presented for Configuration 1, the TDS concentration is plotted with the Colorado River flow data (a), the ammonia data are plotted with the extraction rate data (b), and uranium concentration data are plotted with ground water elevation data (c). Each analyte concentration plot is presented using the same time scale. As a result the TDS data can be easily compared to the extraction rate and ground water elevation data. Like wise, the ammonia data can be easily compared to the Colorado River flow data and the ground water elevation data, and so on. Figure 9–22 presents the data associated with

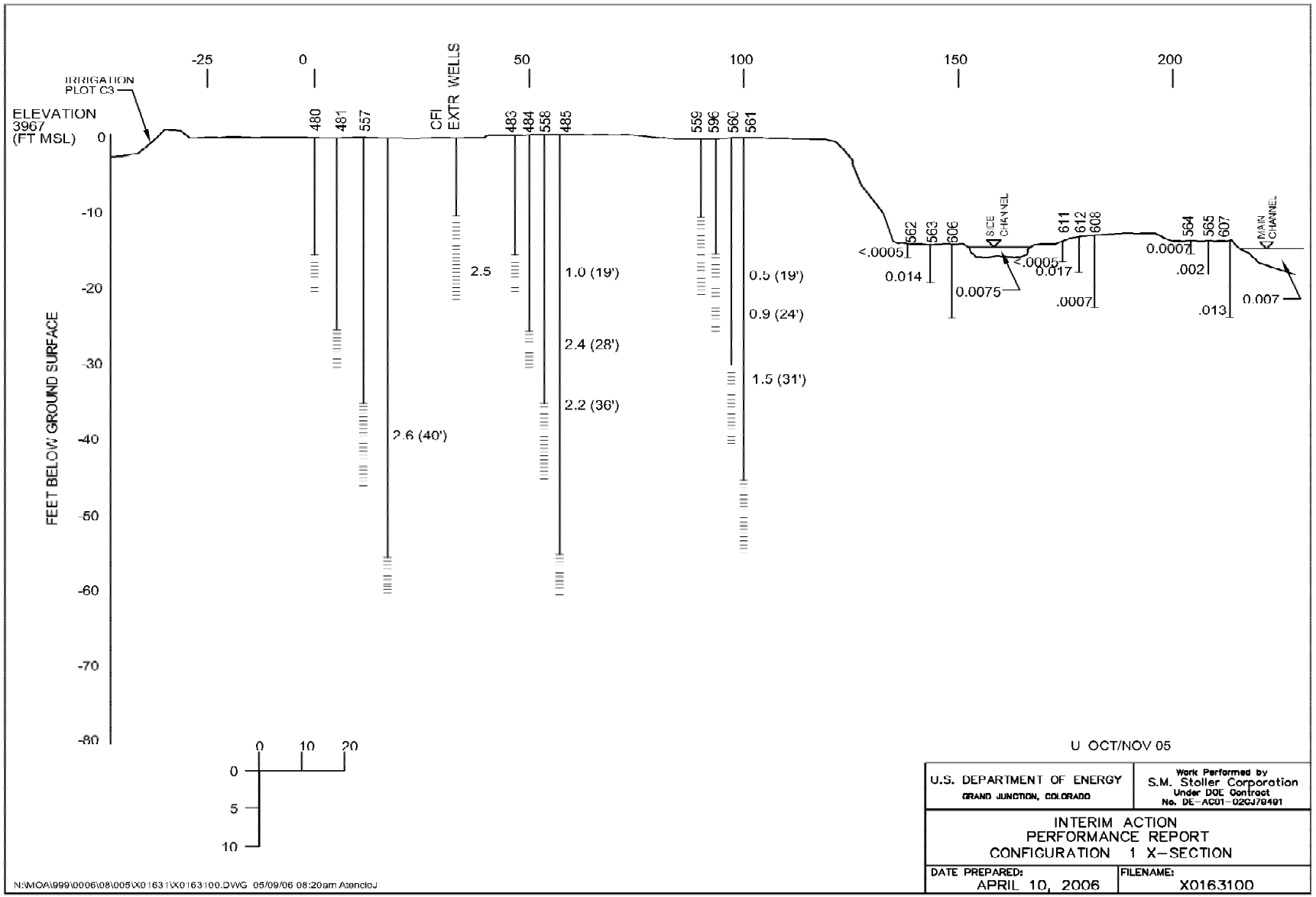



*Figure 9–21. Uranium Concentrations Along Section B-B' in the Configuration 1 Area During October and November 2005*

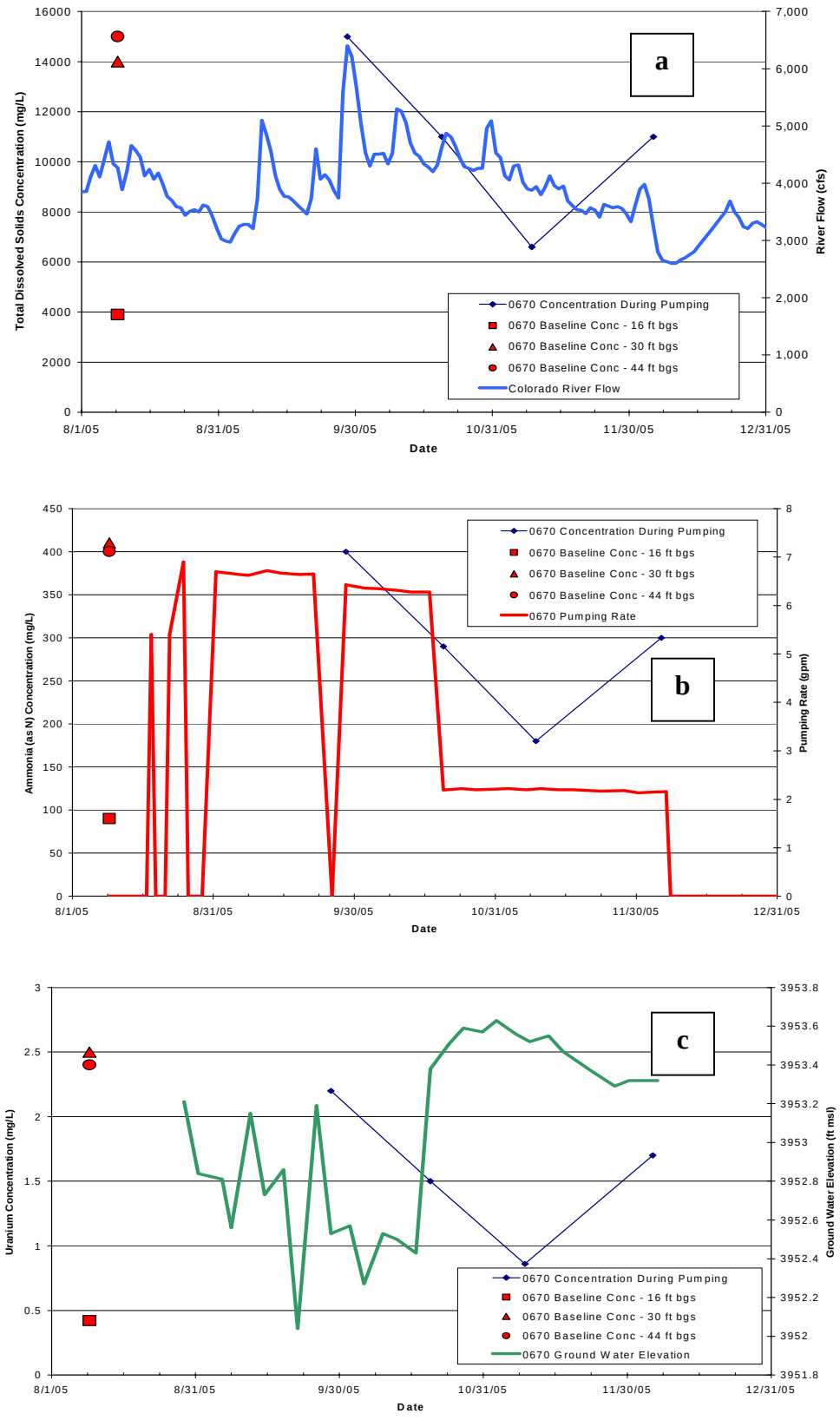



*Figure 9–22. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Extraction Well 670 During 2005*

extraction well 670, while comparable plots for wells 671 through 679 are contained in Appendix H−3. These plots also include the initial profile sampling results in order to allow for easier comparison of the water chemistry between the non-pumping baseline and active pumping conditions.

The water chemistry data collected from well 470 is representative to some degree of the data collected from the other nine Configuration 3 extraction wells. A few trends were apparent based on these time-concentration plots, most notably that ammonia and uranium concentration trends tend to follow TDS concentration fluctuations.

These wells were installed after the 2005 spring runoff event, when the Colorado River flows ranged from approximately 3,000 to 6,000 cfs while the Configuration 3 well field was actively pumping. As a result, the ground water elevations were controlled more by pumping fluctuations as opposed to changes in the river stage. The increase in the ground water elevation in response to the mid-October decrease in the pumping rate [Figure 9–22(b) and Figure 9–22(c)] proves this point.

The water chemistry data collected from well 670 indicates the initial sample collected while pumping was comparable to the data collected from the deep profile sample. Analyte concentrations decrease with prolonged pumping at a rate of approximately 6 gpm. However, after the rate was decreased to approximately 2 gpm, the concentrations kept decreasing for approximately 20 days, and then rebounded with continued pumping at this lower rate. This response at well 670 can be explained by its proximity to the Configuration 2 well field, which was actively injecting fresh water into the aquifer during the Configuration 3 active pumping time frame.

Compared to the other Configurations 3 remediation wells, the water chemistry data collected from well 670 was significantly lower compared to the other wells located to the north, away from the injection (Figure 3–5). At the higher pumping rate, the pumping from well 670 was transporting more freshwater into the southern end of Configuration 3. Once the pumping rate was reduced, there was a lag time when this large volume diluted ground water was slowly extracted from the surrounding aquifer, and native ground water was allowed to flow into the system.

Moving northward through Configuration 3, the analyte concentrations do not exhibit the fluctuations observed in the water chemistry data from well 670. Data collected from well 671 exhibits a faint similar response to well 670. From well 673 (Figure 9–23) towards the north, the concentrations are consistent throughout the abbreviated Configuration 3 2005 pumping season.

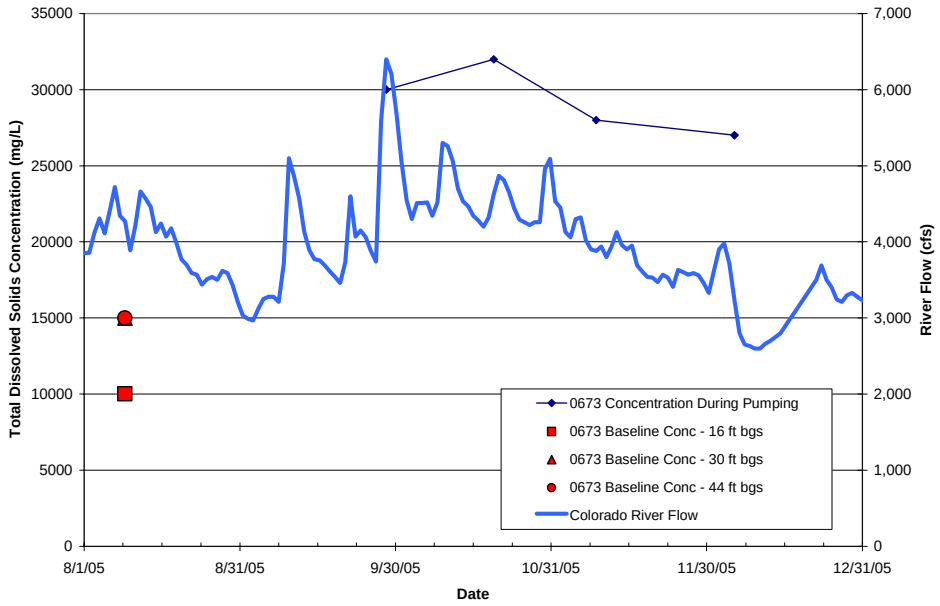



*Figure 9–23. TDS Concentrations at Extraction Well 673 During 2005*

The data suggest there is decrease in TDS concentrations for remediation wells located north of well 675. A review of the data indicate wells 672 through 675 have an average TDS concentration of approximately 26,400 mg/L, while wells 676 through 679 have an average concentration of approximately 21,300 mg/L. This reduction may be explained by the flood irrigation of plot C5 (which is located 35 ft off wells 676 through 679) diluting the ground water at this end of the well field.

Further evidence can be derived from the uranium concentrations for the same group of wells. Wells 672 through 675 have an average uranium concentration of 2.6 mg/L, while wells 676 through 679 have an average concentration of 3.5 mg/L. This increase may be the result of oxygenated water added to this end of the well field by flood irrigation of adjacent plot C5, which promotes the mobility of uranium in ground water an increases the uranium concentration.

### 9.2.2 Downgradient Observation Well Cluster 404/687/688/689

As opposed to Configuration 1, Configuration 3 has only one well cluster in which water chemistry data were collected to evaluate the performance of the system. This well cluster, located less than 25 ft downgradient (southeast) of the well field axis, consist of wells 404, 687, 688, and 689 that are screened from 13 to 18 ft bgs, 20 to 30 ft bgs, 31 to 41 ft bgs, and 46 to 56 ft bgs, respectively.

Wells 686, 688, and 689 (Figure 3–3) were installed at the same time as the remediation wells, and, therefore, only limited water chemistry data are available. These wells were sampled just prior to the start up of the Configuration 3 pumping, and sampled intermittently throughout the end of 2005 (Table G−7, Appendix G).

Figure 9–24 presents analytical results of samples from depths of 18 ft bgs (well 404), 28 ft bgs (well 687), 31 and 39 ft bgs (well 688), and 46 and 54 ft bgs (well 689). The TDS and uranium

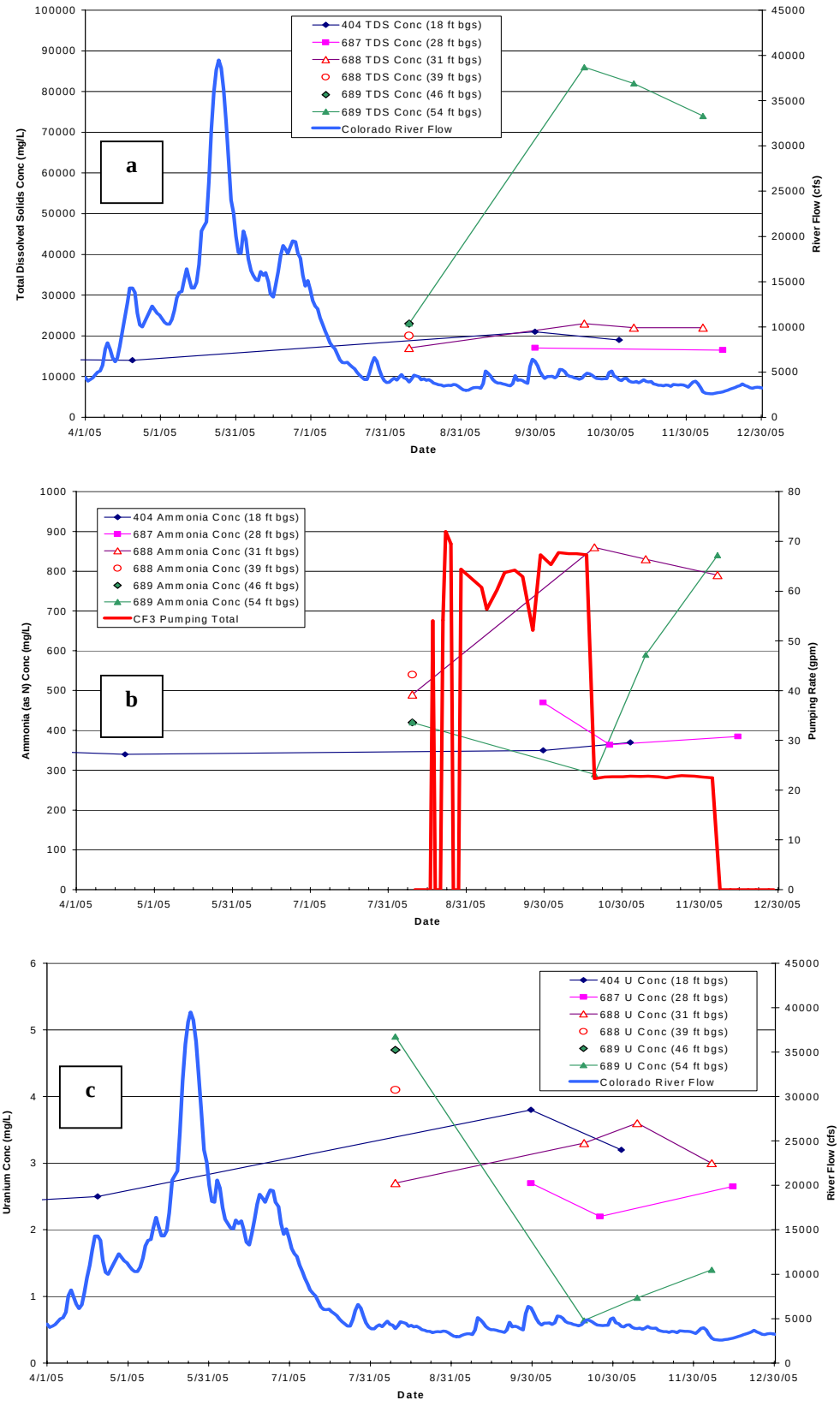



*Figure 9–24. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 404, 687, 688, and 689 During 2005*

concentration data are plotted with the Colorado River flow data and the ammonia data are plotted with the extraction rate data.

The TDS plot [Figure 9–24(a)] indicates concentrations increase with depth under non-pumping conditions near river base flow conditions (August 2005). The highest TDS concentration was measured from the samples collected from 46 and 54 ft bgs (23,000 mg/L) while the lowest concentration was measured from 31 ft bgs (17,000 mg/L). Water chemistry data from 18 and 28 ft bgs were not available from this same time period. The highest ammonia concentrations [Figure 9–24(b)] during the same non-pumping conditions were measured from 39 ft bgs (540 mg/L) with the lowest from 46 and 54 ft bgs (420 mg/L), while highest the uranium concentrations [Figure 9–24(c)] were measured from 54 ft bgs (4.9 mg/L) and the lowest concentration of 2.7 mg/L measured from 31 ft bgs.

With limited data available, only limited interpretations can be made. With fairly consistent Colorado River flow during the pumping time frame (ranged from approximately 3,000 to 6,000 cfs), it can be assumed that all analyte concentration fluctuations can be attributed to well field pumping. The most obvious response to pumping is exhibited by the TDS data [Figure 9–24(a)]. The TDS concentration measured from 54 ft bgs increased significantly in response to pumping. Once the pumping rate was reduced, the concentration declined slowly. Concentrations from other depths did not respond to pumping.

Ammonia concentration data [Figure 9–24(b)] suggested other zones of the aquifer were impacted by Configuration 3 pumping. Ammonia concentrations from 31 ft bgs increased in response to the start of pumping, and then slowly declined, similar to the trend exhibited by the TDS data from 54 ft bgs. Ammonia concentrations from 54 ft bgs decreased slightly after the initiation of the pumping, and once the pump rate was decreased the concentration increased sharply.

Uranium concentration data [Figure 9–24(c)] showed the opposite trend of the TDS data from 54 ft bgs. Pumping initially decreased the uranium concentration, and once the pumping rate was decreased from approximately 65 to 25 gpm, the concentration increased slowly.

### 9.2.3 Riverbed Piezometers

Similar to Configuration 1, the Configuration 3 piezometers are split into three clusters containing three piezometers each that are installed at different depths. Refer to Table 3–5 for piezometer construction details and Figure 3–3 for locations. Table G−8 of Appendix G contains the analytical results.

Figure 9–25 presents the analytical results of samples collected from riverbed piezometers 690, 691, and 692, all of which are located at the base of the bank (i.e., closest to the well field axis). Figure 9–26 presents similar plots for the piezometers 693, 694, and 695 (which are located at an intermediate distance between the base of the riverbank and the Colorado River), and Figure 9–27 presents the plots for piezometers 696, 697, and 698 (located off the Colorado River). These piezometers were installed in late September 2005, and not sampled for the first time until mid-October. At this point the well field had been in operation for 3 to 4 weeks.

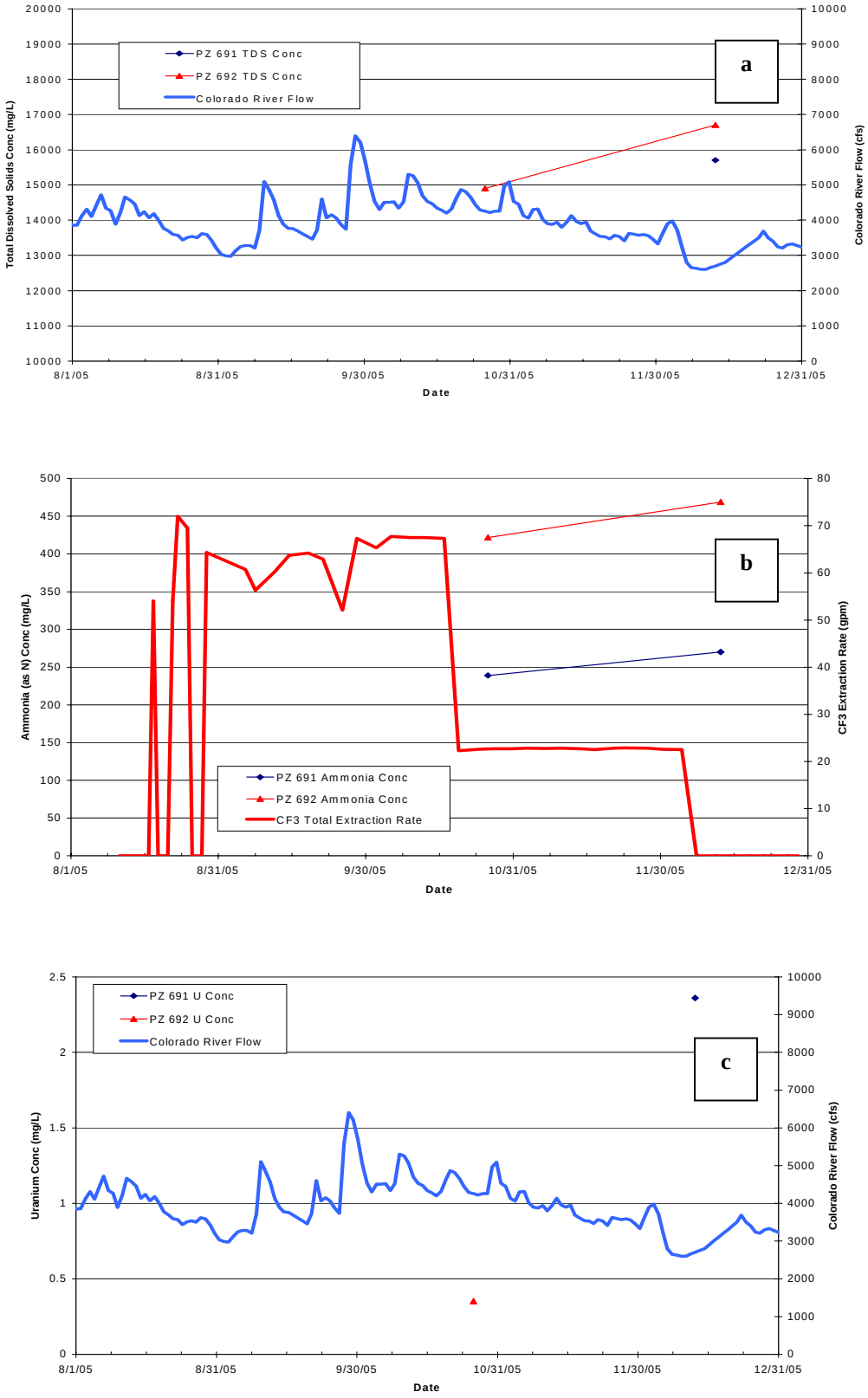
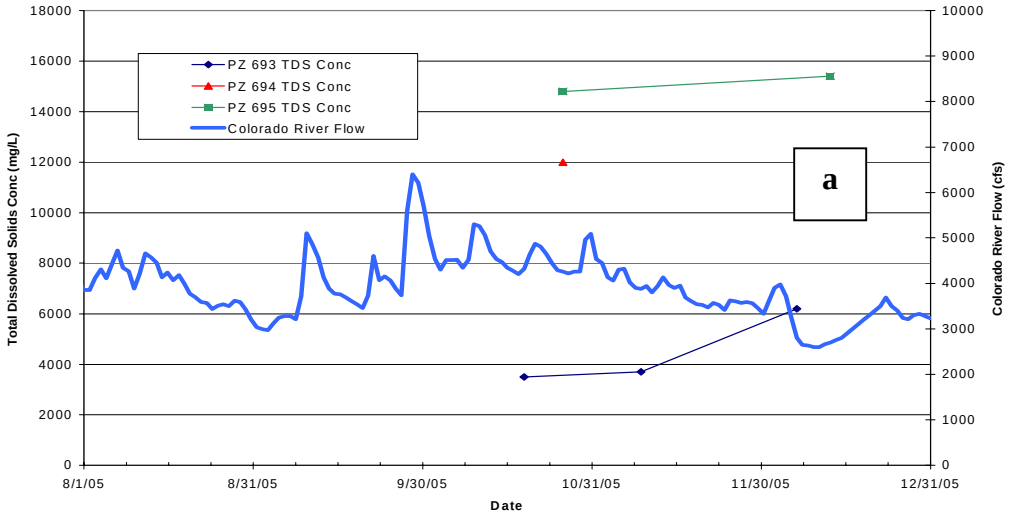



*Figure 9–25. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 690, 691, and 692 During 2005*





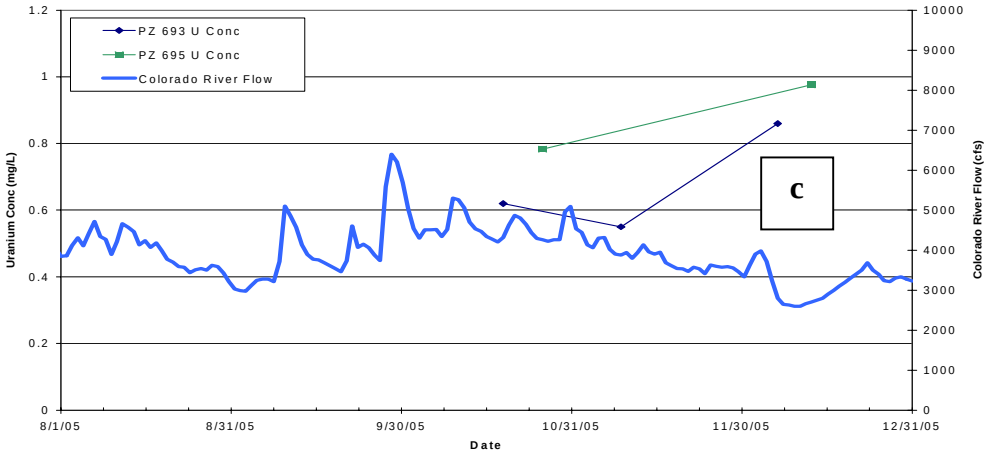



*Figure 9–26. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 693, 694, and 695 During 2005*

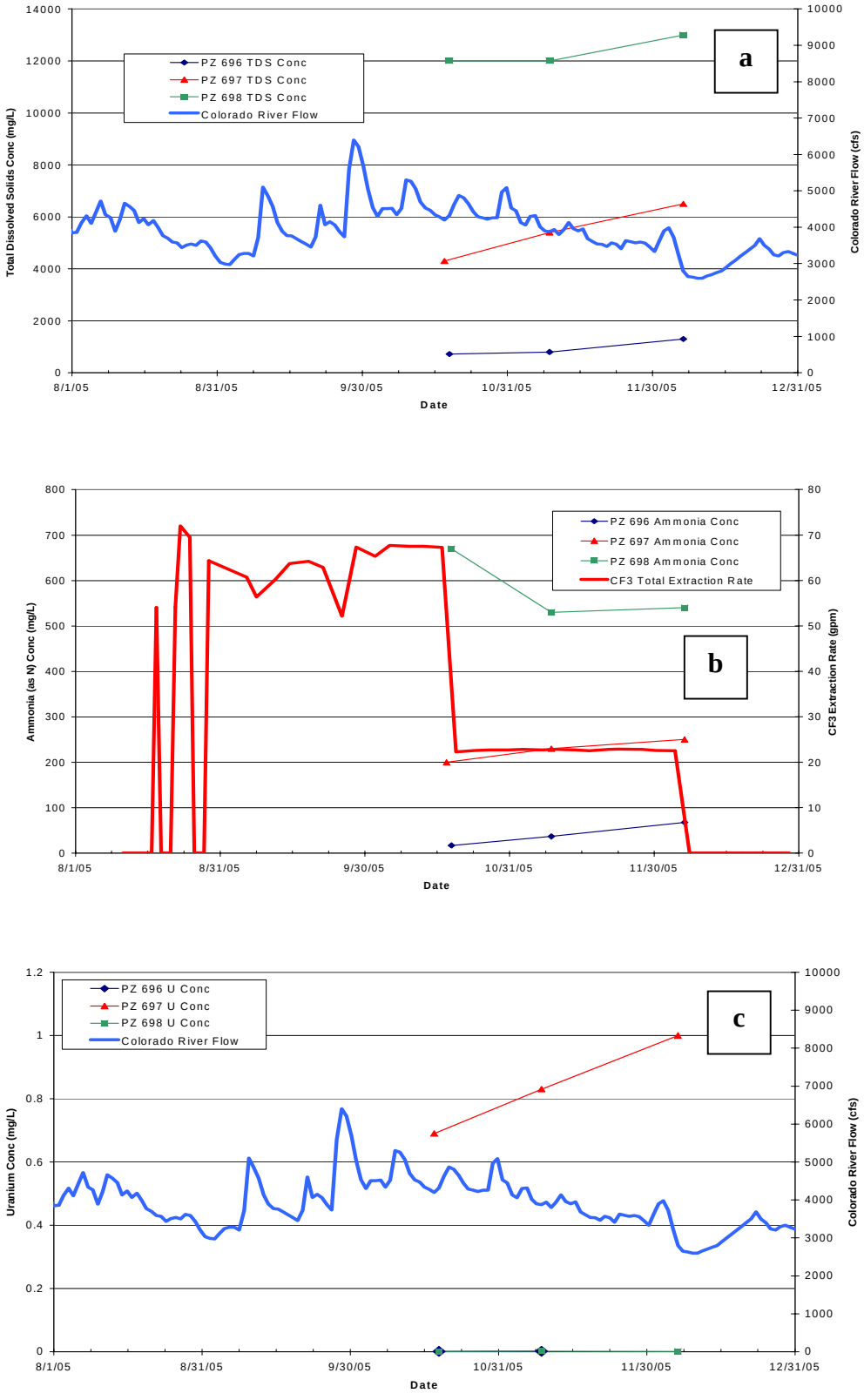



*Figure 9–27. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 696, 697, and 698 During 2005*

The TDS and uranium concentration data are plotted with the Colorado River flow data and the ammonia data are plotted with the extraction rate data. These locations were sampled a maximum of only three times prior to the winter shutdown of the Interim Action well field. Limited sample volumes available for laboratory analysis resulted in limited water chemistry data associated with a number of these locations.

Piezometer 690 was consistently dry; therefore, samples were not collected. The analyte concentrations associated with piezometers 691 and 692 are comparable to the shallowest observation well located 45 ft away. In general, the data indicate ammonia concentrations increase with increasing depth and did not significantly vary between October and December 2005. Trends regarding the TDS and uranium concentrations could not be made due to limited data.

The data associated with piezometers 693 and 695 (piezometer 694 provided very limited sample volume for analysis) indicate TDS and ammonia concentrations increase with increasing depth. Uranium concentrations were comparable at these two depths. Concentrations did not fluctuate significantly during the 2005 sampling events.

Water chemistry data also indicate piezometers 696, 697, and 698 had increasing analyte concentrations with increasing depth which did not significantly fluctuate during late 2005. Additional analysis of these data will be completed once additional data become available, and will be presented in the subsequent performance report.

### 9.2.4 Surface Water Locations

Surface water location 0259 was sampled only one time prior to the end of 2005, during mid-October (Table G−9, Appendix G). Analytical results of this sample indicated the TDS, ammonia, and uranium concentrations were 770, 0.1, and 0.009 mg/L, respectively. As more data become available, further analysis and interpretation will be presented.

### 9.2.5 Spatial Constituent Distributions in Fall 2005

Cross-sectional plots of dissolved constituent concentrations in the Configuration 3 area (along Section C-C') during fall 2005 were also prepared with the intent of identifying pumping-related attenuation of contaminant levels in this area. However, because ground water extraction at Configuration 3 wells did not begin until October 2005, the effects of pumping were not fully discernible in the cross sections. An important factor affecting contaminant attenuation in this area was the relatively large distance of about 225 ft separating the Configuration 3 extraction wells from the main river channel (e.g., Figure 8–4). It is likely that at least a month of pumping would have been required before pumping-induced infiltration of river water led to decreased constituent concentrations in riverbed piezometers located closest to the main channel, and even longer before such decreases were observed in piezometers located closer to the floodplain. This obstacle was complicated even more by the fact that baseline levels of TDS, ammonia, and uranium were unavailable for Configuration 3 piezometers (see Figure 8–4, Figure 8–10, and Figure 8–14), which were based on data from August and September 2005. Lack of such baseline data made it difficult to attribute any low concentrations observed in late 2005 at Configuration 3 piezometers to ground water extraction.

The spatial distributions of TDS and ammonia concentrations in the Configuration 3 area during October and November 2005 are presented in Figure 9–28 and Figure 9–29, respectively. Because both of these cross sections show relatively low concentrations occurring in shallow piezometer 696, on the west bank of main river channel, it appears possible that pumping-induced infiltration of river water at the time was causing some attenuation of contamination in very shallow ground water close to the river. This possibility was further supported by a uranium concentration of only 0.002 mg/L in the same piezometer (Figure 9–30) during fall 2005. The occurrence of an equally small uranium concentration in nearby deep piezometer 698 (~10 ft bgs) at the time also suggested that river water was affecting local constituent concentrations. It was impossible to tell whether such influences were induced by pumping from Configuration 3 wells or were simply the result of naturally infiltrating river water during earlier months of high river flow.

Evidence for upconing of saltwater in response to Configuration 3 pumping can be seen in the cross-sectional plot of TDS levels in this area during October and November 2005 (Figure 9–28). The TDS concentration of 82,000 mg/L measured at the time in well 689 (depth ≈ 54 ft bgs) is about 3.5 times larger than the equivalent baseline concentration measured here in August and September 2005 (Figure 8–4). Such a large salinity level indicates that upward flows created by pumping of Configuration 3 wells are capable of locally raising the brine surface tens of feet, especially since the brine surface was undetectable in deep well 689 under non-pumping conditions. This large TDS concentration also suggests that much of the brine located at greater depth in the Configuration 3 area is naturally derived from brine dissolution. A cross-sectional plot of Cl/Br ratios in the Configuration 3 area during October and November 2005, as presented in Appendix I, supports this possibility. The Cl/Br ratio at this time (Appendix I) at a depth of 54 ft bgs in well 689 was 2450, which is fairly close in value to the ratios of 3100 to 3300 that are correlated with brine derived solely from dissolution of Paradox Formation sediments (Section 8.2.2).

## 9.3 Baseline Area

### 9.3.1 Observation Wells

Ground water samples were collected intermittently during 2004 and most of 2005. Starting in October 2005 the Baseline Area locations were sampled more consistently. Two well clusters (Figure 3–4 and Table 3–7) were sampled for monitoring water chemistry fluctuations not impacted by ground water extraction or fresh water injection on the Interim Action well field floodplain (Table G−10, Appendix G).

The 405, 488, and 493 cluster is located at the top of the riverbank and consists of wells that are screened from 15 to 20 ft bgs, 25 to 40 ft bgs, and 45 to 55 ft bgs, respectively. These wells were sampled dating back to 2004, and the water chemistry data will be discussed in this section.

The PZ1S, PZ1M, PZ1D2, and PW01 cluster is located approximately 150 ft upgradient, and was sampled starting in October 2005. As a result of the limited number of times these wells were sampled, water chemistry data will not be included in the time-concentration plots, but will be provided in Appendix G.

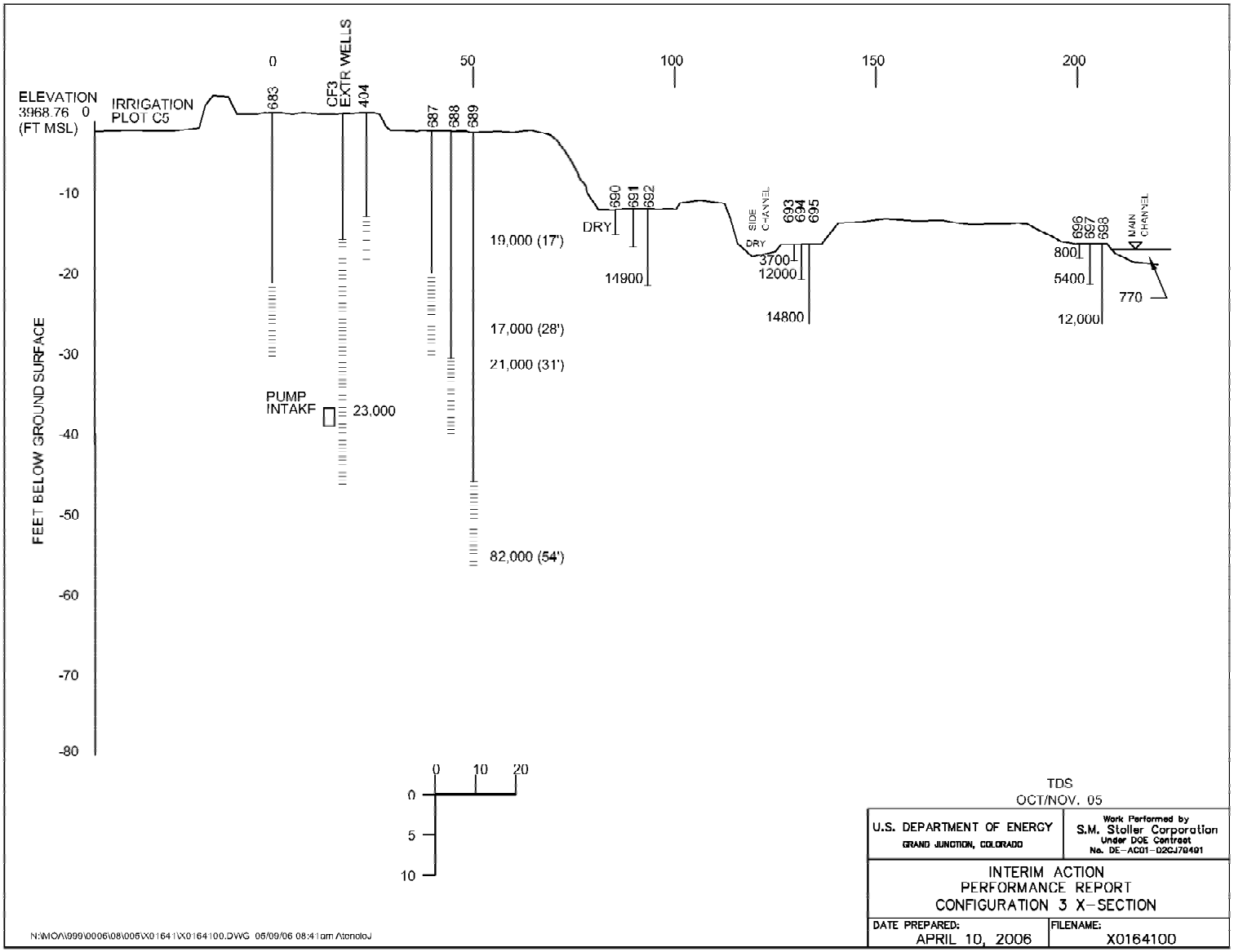



*Figure 9–28. TDS Concentrations Along Section C-C' in the Configuration 3 Area During October and November 2005*

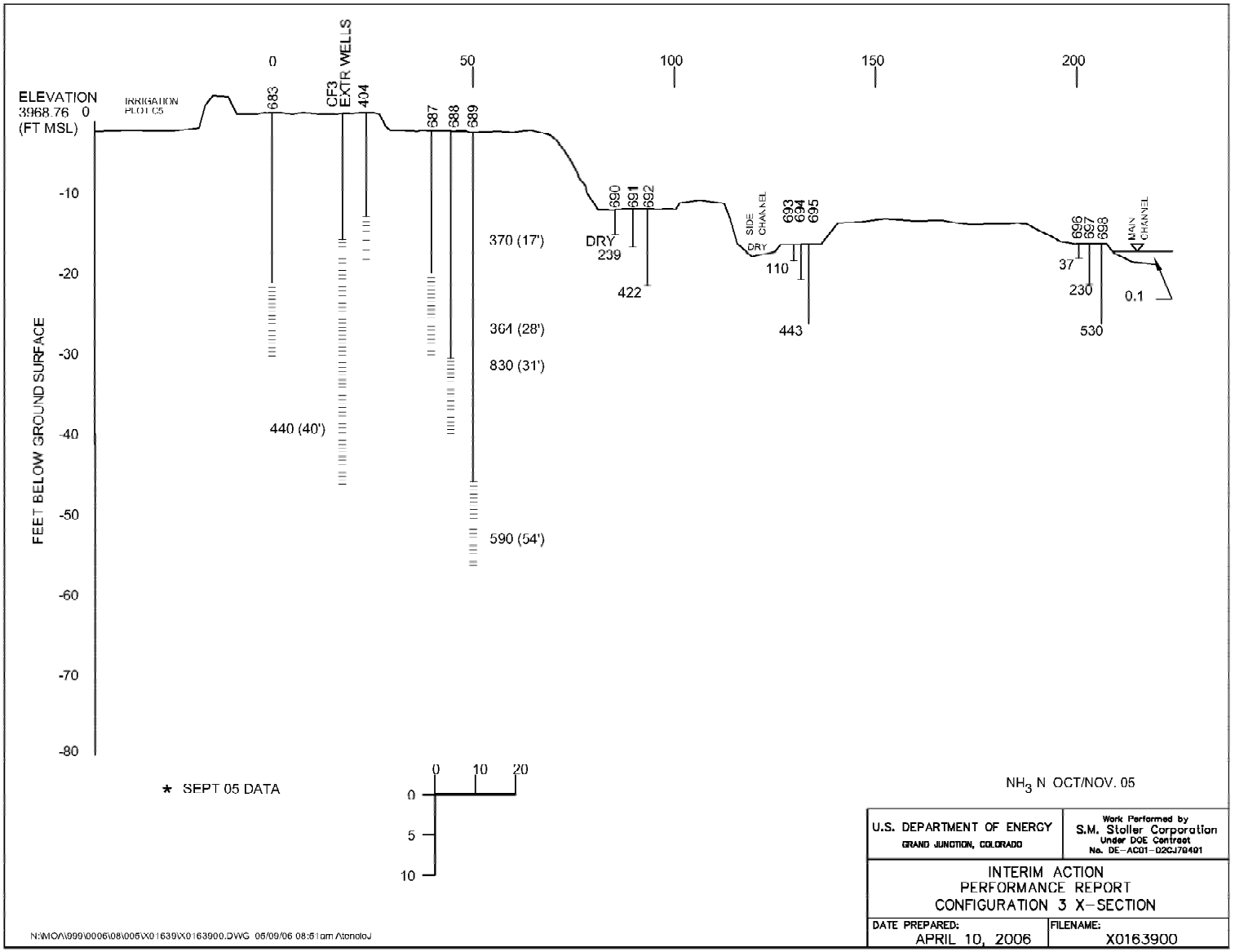



*Figure 9–29. Ammonia (as N) concentrations Along Section C-C' in the Configuration 3 Area During October and November 2005*

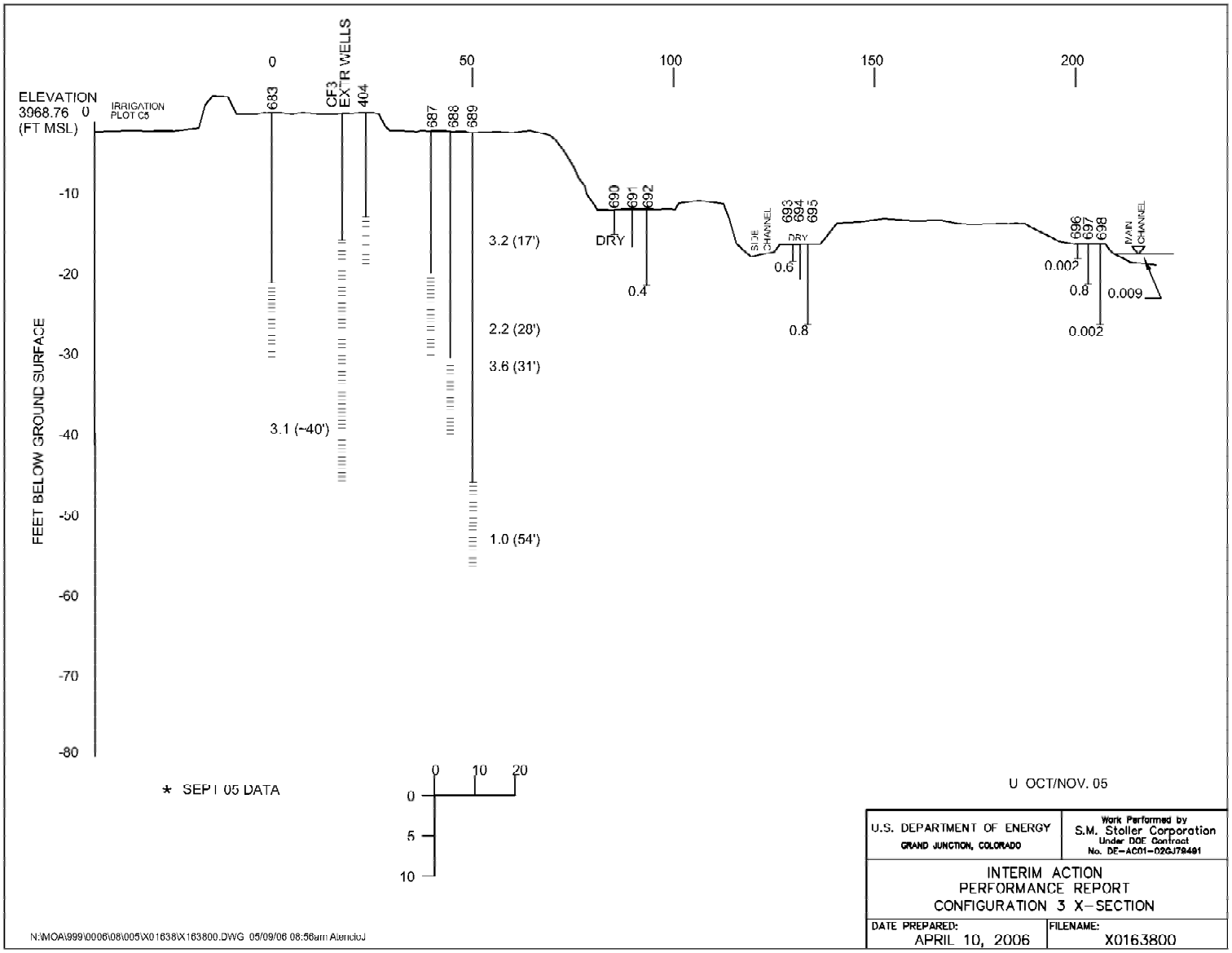



*Figure 9–30. Uranium Concentrations Along Section C-C' in the Configuration 3 Area During October and November 2005*

Figure 9–31 presents analytical results of samples from depths of 18 ft bgs (well 405), 26, 33, and 39 ft bgs (well 488), and 46 and 54 ft bgs (well 493). The TDS, ammonia, and uranium concentration data are all plotted with the Colorado River flow data.

The TDS data [Figure 9–31(a)] indicate in general concentrations increase with depth under river base flow conditions, a trend that was also displayed by the ammonia [Figure 9–31(b)] and uranium [Figure 9–31(c)] data. The highest October 2005 TDS concentration was measured from the samples collected from 54 ft bgs (33,000 mg/L) while the lowest concentration was measured from 39 ft bgs (18,000 mg/L). Water chemistry data from 18 and 28 ft bgs were not available from this same sampling event. These data suggest that the brine interface in this vicinity of the well field lies just below 54 ft bgs.

The highest ammonia concentrations were also measured from 54 ft bgs (1,100 mg/L) with the lowest from 39 bgs (780 mg/L). The highest the uranium concentrations were measured from 54 ft bgs (3.2 mg/L) and the lowest concentration of 2.5 mg/L measured from 46 ft bgs.

Samples were collected from 33, 46, and 54 ft bgs during the 2005 peak spring runoff. TDS data indicate a sharp decrease in response to the increased river stage at depths of 54 and 46 ft bgs. Once the stage deceased to base flow conditions, the TDS concentration at 54 ft bgs rebounded to pre-runoff levels, while the concentration at 46 ft bgs did not. Concentrations at 33 ft bgs did not appear to be impacted by the increased river stage. Ammonia and uranium concentrations did not significantly fluctuate in response to the changing river stage from these three depths.

During late 2005 the uranium concentration from 18 ft bgs increased significantly, most likely the result of flood irrigation of plot C6. This irrigation introduces oxygenated water into the shallowest zone of the aquifer system, which ultimately increases the uranium concentration for reasons previously discussed. The concentrations from deeper zones indicated only a slight increase over this same time period.

### 9.3.2 Riverbed Piezometers

Baseline Area piezometers are also split into three clusters containing three piezometers each that are installed at different depths. Refer to Table 3–7 for piezometer construction details and Figure 3–4 for locations. Table G−11 of Appendix G contains all the analytical data.

Figure 9–32 presents the analytical results of samples collected from riverbed piezometers 494, 495, and 597, all of which are located at the base of the bank (i.e., closest to the well field axis). Figure 9–33 presents similar plots for the piezometers 496, 497, and 598 (which are located at an intermediate distance between the base of the riverbank and the Colorado River), and Figure 9–34 presents the plots for piezometers 599, 617, and 618 (located off the Colorado River). Five of these piezometers (597, 598, 599, 617, and 618) were not installed until in late September 2005, and not sampled for the first time until mid-October. The TDS, ammonia, and uranium concentration data are all plotted with the Colorado River flow data.

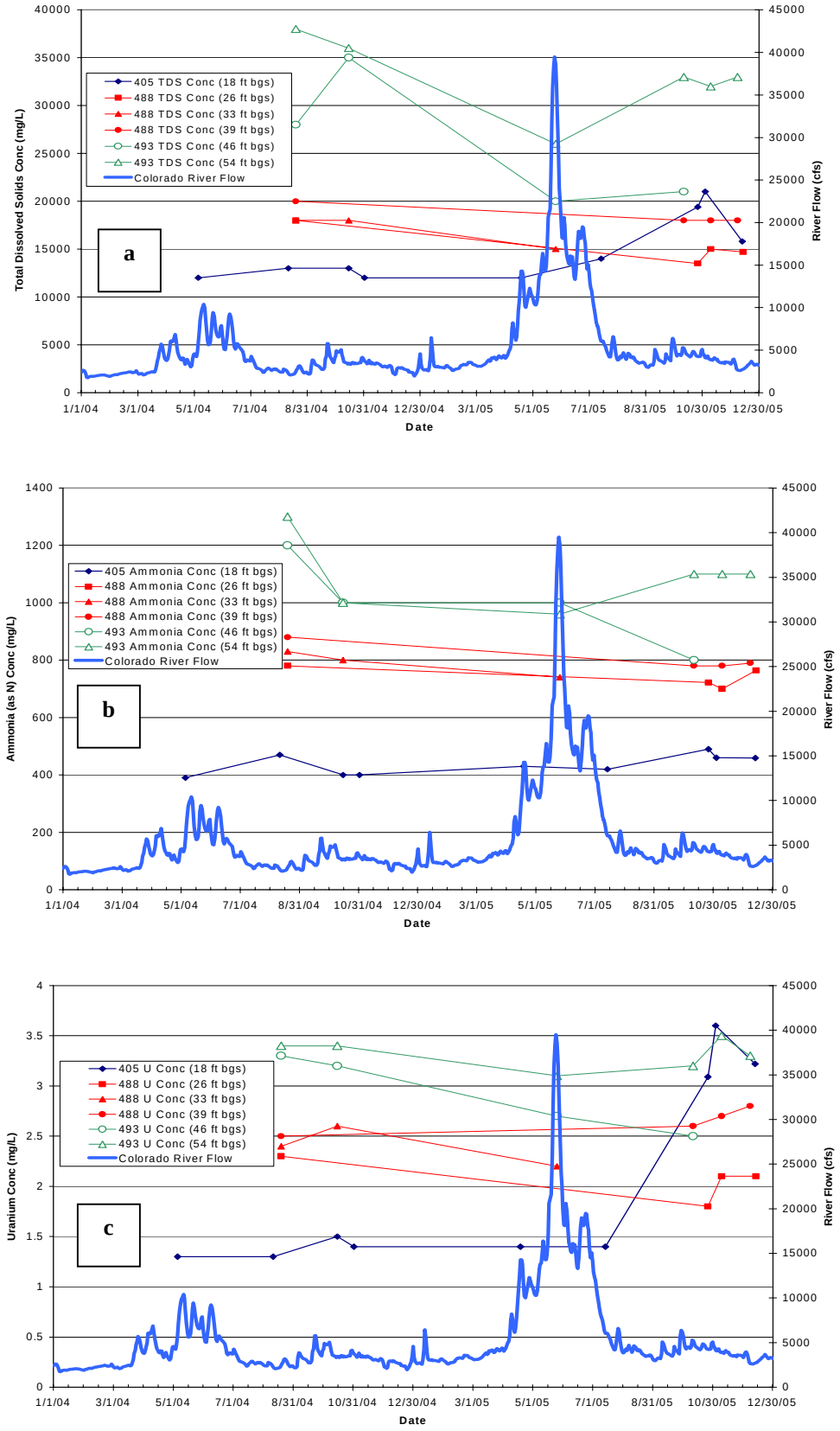



*Figure 9–31. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Observation Wells 405, 488, and 493 During 2005*

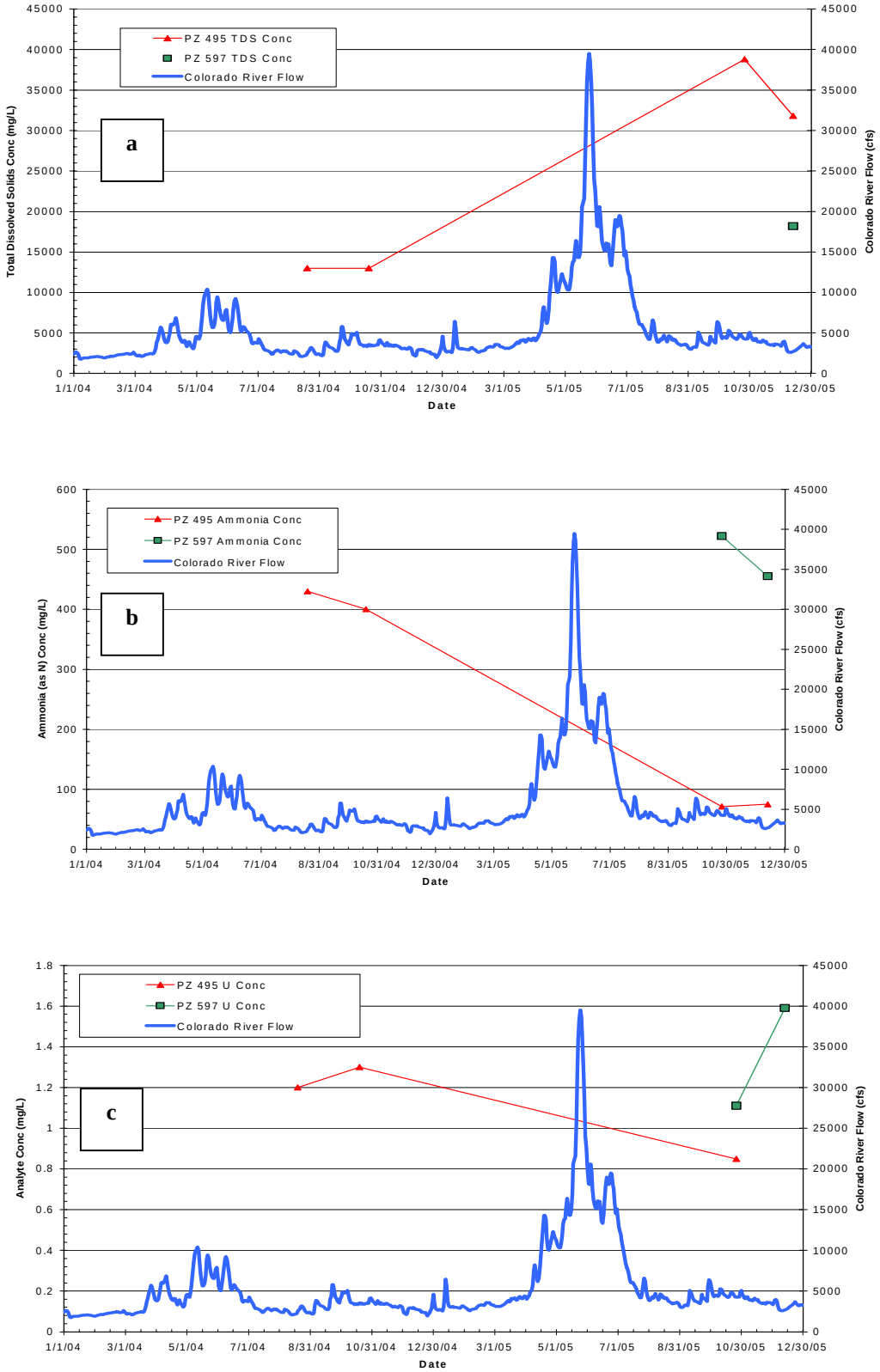



*Figure 9–32. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 495 and 597 During 2005*

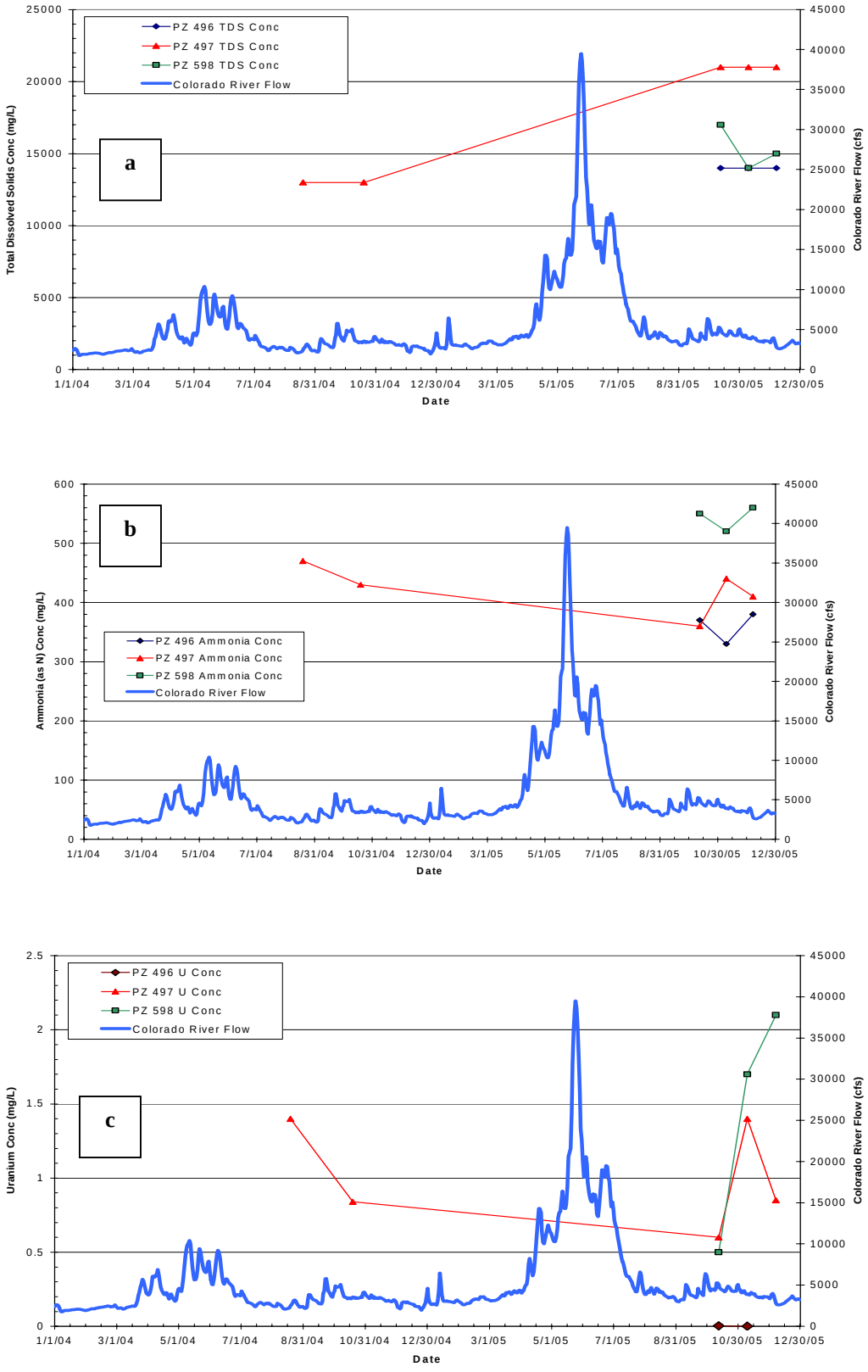



*Figure 9–33. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium Plotted at Piezometers 496, 497, and 598 During 2005*

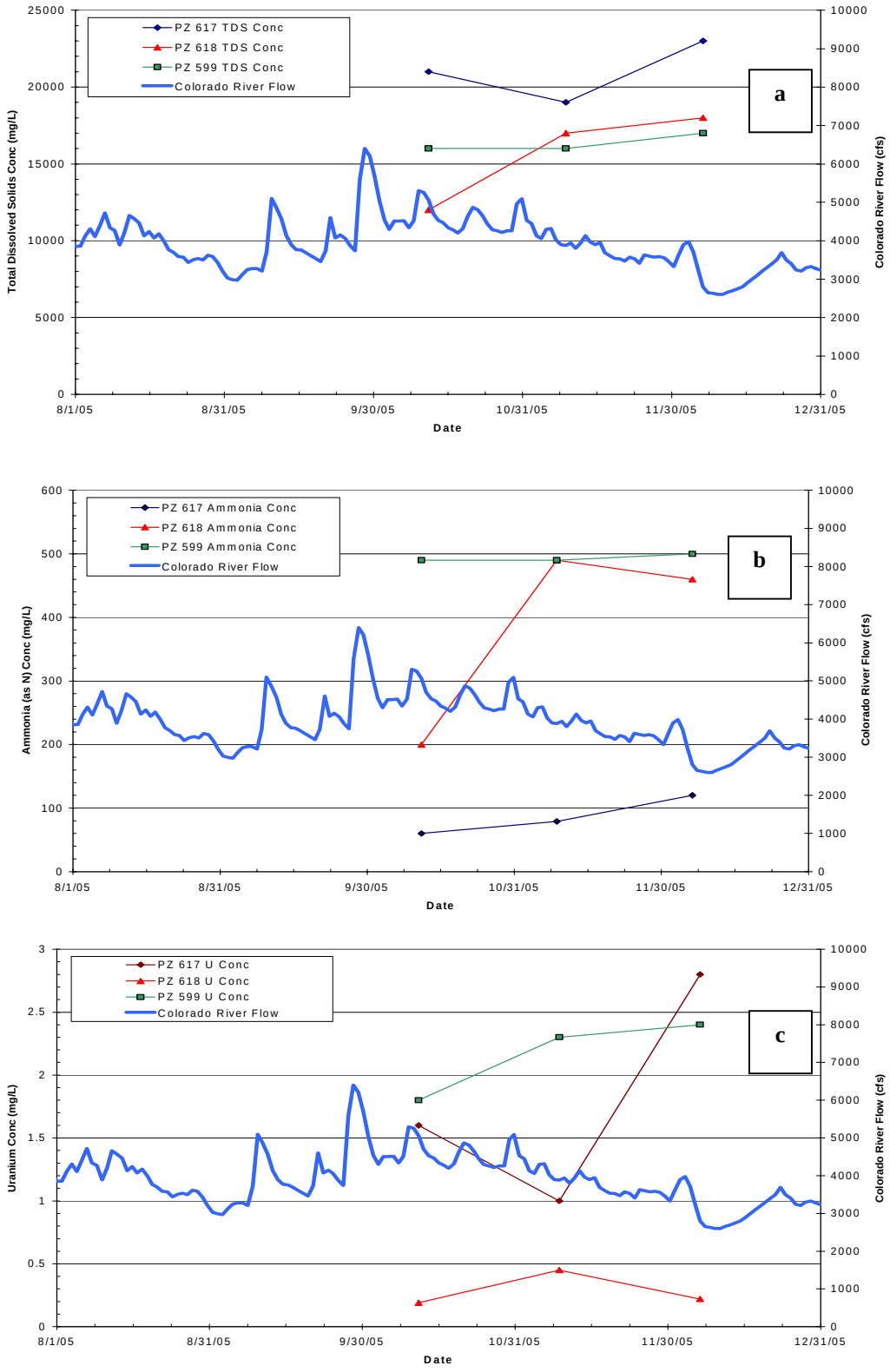



*Figure 9–34. Measured Concentrations of (a) TDS, (b) Ammonia, and (c) Uranium at Riverbed Piezometers 599, 617, and 618 During 2005*

Piezometer 494 was consistently dry; therefore, samples were not collected from this location. The analyte concentrations associated with piezometers 495 and 597 are comparable to the shallowest observation well located 35 ft away. In general, the water chemistry data indicate TDS concentrations from the middle zone (piezometer 495) have increased significantly from October 2004 to October 2005 (from 13,000 to over 38,000 mg/L) while ammonia concentrations have decreased from 400 to 71 mg/L and uranium concentrations have decreased from 1.3 to 0.85 mg/L during this same time frame. Piezometer 597 was sampled only two times, and the uranium data have increased from 1.1 to 1.6 from October to December 2005 likely in response to plot C6 flood irrigation.

The data associated with piezometers 496, 497, and 598 and indicate ammonia and uranium concentrations increase with increasing depth in late 2005, while the highest TDS concentration was measured from the intermediate depth piezometer. Data were collected from piezometer 497 dating back to August 2004 indicate TDS concentrations increased from 13,000 to 21,000 mg/L between October 2004 and October 2005 while ammonia and uranium concentrations have not fluctuated significantly. Piezometer 598 uranium concentrations increased from 0.5 to 2.1 mg/L in response to flood irrigation.

Each of the piezometers located adjacent to the Colorado River in the Baseline Area were installed in September 2005. Unlike the general site-wide trend, the shallowest piezometer had the highest TDS concentrations. Ammonia and uranium data did not exhibit a definite trend in regards to depth vs concentrations. From November to December 2005 the uranium concentration measured from the shallowest completion increased from 1 to 2.8 mg/L, suggesting the flood irrigation has also impacted this vicinity of the riverbed. Uranium concentrations from the other depths did not fluctuate significantly. Additional analysis of these data will be completed once additional data become available, and will be presented in the subsequent performance report.

### 9.3.3 Surface Water Locations

Surface water location was sampled only twice during 2005, in October and December (Table G−12, Appendix G). Analytical results from these samples indicate the TDS concentration ranged from 790 to 840 mg/L, ammonia concentrations ranged from 0.1 to 0.3 mg/L, and uranium concentrations ranged from 0.007 to 0.01 mg/L. Additional data are necessary to warrant further analysis.

## 9.4 Biogeochemical Indicators at Configurations 1 and 3

The parameters examined as potential indicators of biogeochemical phenomena in the Baseline Area during October and December 2005 (Section 8.3) were also used to identify biologically mediated processes occurring in the Configuration 1 and 3 areas at the same time. The apparent complexity of flow and chemical processes in the river's hyporheic zone near the site (DOE 2005b, 2005c) suggested that it would be difficult to distinguish pumping-related influences on the biogeochemistry of ground water below the riverbed from the effects of natural processes. However, it was hoped that biogeochemical data from samples collected at shallow observation well in the Configuration 1 area would provide evidence of the migration of both river and hyporheic-zone water toward this system's extraction wells. Similar results were not

expected at shallow wells in the Configuration 3 area because of the distance separating observation wells associated with this system from the main river channel (~170 ft) and the short time that system wells had been pumped as of October and December 2005.

### 9.4.1 Configuration 1

The biogeochemical parameters measured at Configuration 1 wells (Table 9–1) do show signs that river and hyporheic zone water migrated close to the system's extraction wells as of October 2005. Dissolved oxygen concentrations of 3.8 and 2.6 mg/L are observed at this time at shallow wells 483 and 559, respectively, which are noticeably larger than oxygen levels measured in all other wells (< 1 mg/L). In addition, ammonia levels in these two wells are relatively small, as is the ammonia concentration in intermediate-depth well 596, which also appears to be affected by influx of water from the river area.

The data in Table 9–1 also suggest that nitrification of ammonia is enhanced in the Configuration 1 area during October 2005 due to the influx of river water. A large concentration of nitrifying bacteria is observed at shallow well 483 (100,000 cfu/mL), and nitrifiers are also present at well 559. Nitrification is also suggested by relatively high chemical oxygen demand and high nitrate concentrations at each of these wells.

As with the Baseline Area, little to no evidence is seen in the observation well data to indicate that denitrification was occurring in ground water in the Configuration 1 area during October 2005. Concentrations of manganous manganese at wells 483 and 559 are 1.9 and 0.7 mg/L, respectively, which can probably be attributed to background levels for this constituent downgradient of the tailings pile (Section 8.3). These concentrations are less than those observed in shallow ground water in the Baseline Area (Section 8.3), but it is unlikely that the differences between locations is caused by chemical processes. Rather, the lower manganese concentrations in wells 483 and 559 are probably reflective of dilution caused not only by influx of river water, but also recharge of irrigation water in vegetation test plot C6 located to the west. Measured iron concentrations (Table 9–1) are not clearly indicative of bacterially driven iron reduction. Finally, though dissolved sulfate levels are lower in shallow wells 483 and 559, and in intermediate-depth well 596, than in deeper wells, such decreased levels are also probably caused by dilution induced by the mixing of river water with ground water.

Further evidence of the induced inflow of river water is seen in pH levels measured in observation wells in October 2005. The pH levels in wells 483, 559, and 596 are all above 7, which tend to be representative of river and hyporheic zone waters, whereas pH values in all remaining, deeper wells are less than 7, which is indicative of ambient conditions in ground water beneath the floodplain (Section 8.3).

In general, the mixing and chemical processes inferred by biogeochemical parameters in October 2005 also appear to be occurring in the vicinity of Configuration 1 observation wells in December 2005 (Table 9–1). Nitrification is a continuing process given that measures of nitrifying bacteria are still relatively high at well 483 (100,000 cfu/mL). However, it is possible that the rate of nitrification is not as high as it was in October given that nitrate levels are much lower in December than in October. In addition, measures of total inorganic carbon are much higher at well 483 and 559 in December (146 and 91.4 mg/L, respectively) than in October (28.6 and 27.1 mg/L, respectively), which could signify that less inorganic carbon was being

*Table 9–1. Biogeochemical Parameters at Observation Wells in the Configuration 1 Area*

| Analyte | Wells | | | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|
| | 483 | 484 | 557 | 558 | 559 | 560 | 596 | | |
| **October 2005** | | | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | 512 | 710 | 800 | 686 | 382 | 526 | 436 | 382-800 | 579 |
| Ammonia, Total as N (mg/L) | 340 | 1500 | 1000 | 2100 | 134 | 1200 | 250 | 134-2100 | 932 |
| Chemical Oxygen Demand (mg/L) | 440 | NA | NA | NA | 129 | NA | NA | 129-440 | 285 |
| Dissolved Oxygen (mg/L) | 3.8 | 0.66 | 0.89 | 0.87 | 2.6 | 0.94 | 0.79 | 0.66-3.8 | 1.5 |
| Total Iron (mg/L) | 0.012 | NA | NA | NA | 0.007 | NA | NA | 0.007-0.012 | 0.010 |
| Ferrous Iron (mg/L) | 1 | NA | NA | NA | 1 | NA | NA | 1.0-1.0 | 1.0 |
| Total Manganese (mg/L) | 1.56 | NA | NA | NA | 0.673 | NA | NA | 0.67-156 | 1.1 |
| Manganous Manganese (mg/L) | 1.9 | NA | NA | NA | 0.7 | NA | NA | 0.7-1.9 | 1.3 |
| Nitrate as Nitrogen (mg/L) | 321 | NA | NA | NA | 5.3 | NA | NA | 5.3-321 | 163 |
| Nitrifying Bacteria (cfu/mL)[a] | 100000 | NA | NA | NA | 1000 | NA | NA | 1000-100000 | 50500 |
| Nitrite as Nitrogen (mg/L) | 0.006 | NA | NA | NA | 0.005 | NA | NA | 0.005-0.006 | 0.006 |
| ortho-Phosphate (mg/L) | 0.3 | NA | NA | NA | 0.5 | NA | NA | 0.3-0.5 | 0.4 |
| Oxidation Reduction Potential (mV) | 159.3 | 6 | 50 | 91 | 185.1 | 92 | 81 | 6-185.1 | 94.9 |
| pH (standard units) | 7.3 | 6.8 | 6.9 | 6.7 | 7.5 | 6.9 | 7.6 | 6.7-7.6 | 7.1 |
| Sulfate (mg/L) | 2830 | 11000 | 10000 | 12000 | 1210 | 9400 | 2700 | 1210-12000 | 7020 |
| Sulfide (mg/L) | 0.01 | NA | NA | NA | 0.01 | NA | NA | 0.01-0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | 7790 | 37000 | 29000 | 58000 | 3150 | 45000 | 6000 | 3150-45000 | 26563 |
| Total Inorganic Carbon (mg/L) | 28.6 | NA | NA | NA | 27.1 | NA | NA | 27.1-58000 | 28 |
| Total Kjeldahl Nitrogen (mg/L) | 457 | NA | NA | NA | 165 | NA | NA | 165-457 | 311 |
| Uranium (mg/L) | 0.984 | 2.4 | 2.6 | 2.2 | 0.542 | 1.7 | 0.93 | 0.54-2.6 | 1.6 |
| **December 2005** | | | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | 450 | 746 | 606 | 408 | 334 | 472 | 510 | 334-746 | 504 |
| Ammonia, Total as N (mg/L) | 327 | 1600 | 1600 | 1400 | 169 | 1300 | 340 | 169-1600 | 962 |
| Chemical Oxygen Demand (mg/L) | 770 | NA | NA | NA | 9.2 | NA | NA | 9.2-770 | 390 |
| Dissolved Oxygen (mg/L) | 4.6 | 1.16 | 0.98 | 0.75 | 6.2 | 0.2 | 0.41 | 0.2-6.2 | 2.0 |
| Total Iron (mg/L) | 0.041 | NA | NA | NA | 0.028 | NA | NA | 0.028-0.41 | 0.035 |
| Ferrous Iron (mg/L) | 1 | NA | NA | NA | 1 | NA | NA | 1-Jan | 1.0 |
| Total Manganese (mg/L) | 1.63 | NA | NA | NA | 0.978 | NA | NA | 0.978-1.63 | 1.3 |
| Manganous Manganese (mg/L) | 1.6 | NA | NA | NA | 1 | NA | NA | 1-1.6 | 1.3 |
| Nitrate as Nitrogen (mg/L) | 17.9 | NA | NA | NA | 12.2 | NA | NA | 12.2-17.9 | 15.1 |
| Nitrifying Bacteria (cfu/mL)[a] | 100000 | NA | NA | NA | 1000 | NA | NA | 1000-100000 | 50500 |
| Nitrite as Nitrogen (mg/L) | 0.005 | NA | NA | NA | 0.005 | NA | NA | 0.005-0.005 | 0.005 |
| ortho-Phosphate (mg/L) | 0.3 | NA | NA | NA | 2.3 | NA | NA | 0.3-2.3 | 1.3 |
| Oxidation Reduction Potential (mV) | 82.7 | 206 | 84.1 | 182.3 | 103.6 | 79.5 | 53 | 53-206 | 113 |
| pH (standard units) | 7.3 | 6.8 | 6.8 | 6.8 | 7.4 | 6.8 | 7.4 | 6.8-7.4 | 7.0 |
| Sulfate (mg/L) | 2890 | 10000 | 9700 | 8300 | 1490 | 9500 | 4200 | 1490-10000 | 6583 |
| Sulfide (mg/L) | 0.01 | NA | NA | NA | 0.03 | NA | NA | 0.01-0.03 | 0.02 |
| Total Dissolved Solids (mg/L) | 6610 | 41000 | 47000 | 74000 | 3350 | 69000 | 8900 | 3350-74000 | 35694 |
| Total Inorganic Carbon (mg/L) | 146 | NA | NA | NA | 91.4 | NA | NA | 91.4-146 | 119 |
| Total Kjeldahl Nitrogen (mg/L) | 368 | NA | NA | NA | 185 | NA | NA | 185-368 | 277 |
| Uranium (mg/L) | 0.793 | 2.8 | 2.3 | 1.2 | 0.442 | 1.5 | 1 | 0.442-2.8 | 1.4 |

[a]cfu/mL = colony forming units per milliliter
NA = not available

used to support nitrification in December. Dissolved oxygen levels are higher in wells 483 and 559 in December (4.6 and 6.2 mg/L, respectively) than they are in October (3.8 and 2.6 mg/L), which could mean that less oxygen was being used to support nitrification in the later month. The reasons for these changes are not clear.

Biogeochemical parameters listed for piezometers in the Configuration 1 area in October 2005 (Table 9–2) indicate that chemical processes occurring below the riverbed in the area during fall 2005 are considerably different from the processes occurring in ground water upgradient of the river. On the whole, dissolved oxygen concentrations are larger at riverbed piezometers than they are at observation wells (Table 9–1), yet ORP levels in some of the piezometers are quite negative (-200 to –400 mV), which are indicative of more chemically reducing conditions. This apparent incongruity suggests that infiltration of river water in parts of the riverbed area, due to natural hyporheic zone exchange and possibly in response to Configuration 1 pumping, occurs at a moderate to large rate, but the activity of anaerobic heterotrophic bacteria in adjacent areas is significant enough to create highly reducing microenvironments. Although dissolved oxygen is present at relatively high concentrations, low measures of nitrifying bacteria (<1,000 to 1,000 cfu/mL) (Table 9–2) suggest that no significant nitrification is occurring beneath the riverbed area in October.

The occurrence of negative ORP values at piezometers in October in conjunction with simultaneously decreased levels of ammonia (mean $NH_3$-N = 28.5 mg/L) relative to observation wells and low concentrations of nitrate ($NO_3$-N = 0.003–0.831 mg/L) (Table 9–2) suggests that denitrification was occurring in riverbed sediments prior to fall 2005, but has since proceeded to phases of manganese, iron, and possibly sulfate reduction. Though manganous manganese concentrations at the piezometers in October are of the same general magnitude as those observed at shallow well 483 and 559 (Table 9–1), and measures of ferrous iron at the piezometers do not indicate that reduction of solid-phase ferric iron is any more of a significant process in riverbed sediments than it is in upgradient ground water, relatively low sulfate concentrations at the piezometers in October (214−850 mg/L) are suggestive of sulfate reduction. Comparison of these sulfate levels with average concentrations in Configuration 1 wells during October and December 2005 (7,020 and 6,583 mg/L, respectively) infers an overall ten-fold decrease in sulfate levels between the floodplain and the riverbed area.

Significant sulfate reduction in riverbed sediments of the Configuration 1 area should produce increased mass of sulfide. However, dissolved sulfide levels at riverbed piezometers remained quite small during October and November 2005 (Table 9–2), never exceeding a concentration of 0.02 mg/L. Such low concentrations might be explained by the tendency of dissolved sulfide to react with dissolved metals and precipitate out of solution. An example of this type of precipitate is iron sulfide, which, if produced in riverbed sediments, could explain relatively low levels of dissolved iron in the Configuration 1 area (Table 9–2). Additional types of data and analyses are needed to determine if this type of reaction is occurring and whether the large reductions in sulfate concentration between the floodplain and the riverbed area are partially the result of biologically mediated processes or entirely caused by dilution brought on by water mixing in the hyporheic zone.

*Table 9–2. Biogeochemical Parameters at Riverbed Piezometers in the Configuration 1 Area*

| Analyte | Riverbed Piezometer | | | | | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 562 | 563 | 564 | 565 | 606 | 607 | 608 | 611 | 612 | | |
| **October 2005** | | | | | | | | | | | |
| Alkalinity, Total (As $CaCO_3$) | NA | NA | NA | NA | NA | NA | 398 | NA | NA | 398-398 | 398 |
| Ammonia, Total as N (mg/L) | 4.1 | 10.1 | 0.16 | 10.7 | NA | 38.1 | 110 | NA | 1.8 | 1.8-110 | 28.5 |
| Chemical Oxygen Demand (mg/L) | NA | NA | NA | 4.8 | NA | 22 | NA | NA | NA | 22-Sep | 13.4 |
| Dissolved Oxygen (mg/L) | 1.76 | 5.9 | 1.89 | NA | 6.5 | 3.2 | 1.45 | NA | 2.32 | 1.45-6.5 | 3.5 |
| Total Iron (mg/L) | NA | 0.12 | NA | 0.03 | 0.04 | 0.007 | NA | NA | NA | 0.007-0.12 | 0.05 |
| Ferrous Iron (mg/L) | NA | 1 | NA | 0.6 | 0.4 | 1 | NA | NA | NA | 0.4-1 | 0.8 |
| Total Manganese (mg/L) | NA | NA | NA | NA | NA | 0.004 | NA | NA | NA | 0.004-0.004 | 0.004 |
| Manganous Manganese (mg/L) | NA | 0.5 | NA | 0.2 | 0.2 | 1 | NA | NA | NA | 0.2-1 | 0.5 |
| Nitrate as Nitrogen (mg/L) | NA | 0.003 | NA | 0.003 | 0.831 | 0.003 | NA | NA | NA | 0.003-0.831 | 0.2 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | <1000 | NA | <1000 | 1000 | <1000 | NA | NA | NA | <1000-1000 | 1000 |
| Nitrite as Nitrogen (mg/L) | NA | 0.011 | NA | 0.005 | 0.5 | 0.005 | NA | NA | NA | 0.005-0.5 | 0.1 |
| ortho-Phosphate (mg/L) | NA | 0.3 | NA | 0.5 | 0.6 | 0.5 | NA | NA | NA | 0.3-0.6 | 0.5 |
| Oxidation Reduction Potential (mV) | NA | -263.9 | 29 | 54.6 | -297.5 | -382 | NA | NA | NA | -382 to 55 | -172 |
| pH (standard units) | 9.1 | 9.1 | 8.66 | 9.22 | 9.3 | 9.7 | 9.1 | NA | 8.0 | 8.0-9.6 | 9.0 |
| Sulfate (mg/L) | 300 | 289 | 330 | 262 | 717 | 214 | 850 | NA | 350 | 214-850 | 430 |
| Sulfide (mg/L) | NA | 0.01 | NA | 0.01 | 0.01 | 0.02 | NA | NA | NA | 0.01-0.02 | 0.013 |
| Total Dissolved Solids (mg/L) | 680 | 738 | 760 | 427 | 2020 | 926 | 2800 | NA | 810 | 427-800 | 1212 |
| Total Inorganic Carbon (mg/L) | NA | 12.9 | NA | NA | NA | 0.22 | NA | NA | NA | 0.22-12.9 | 6.6 |
| Uranium (mg/L) | NA | NA | NA | NA | NA | 0.013 | 0.001 | NA | 0.008 | 0.001-0.013 | 0.007 |
| **December 2005** | | | | | | | | | | | |
| Ammonia, Total as N (mg/L) | 2.6 | NA | 0.18 | NA | 102 | 59.6 | 140 | 2 | 1.4 | 0.18-140 | 44.0 |
| Dissolved Oxygen (mg/L) | 5.98 | 4.5 | NA | 6.54 | 7.3 | 6.9 | NA | 7.14 | 9.27 | 4.5-9.27 | 6.8 |
| Total Iron (mg/L) | NA | 0.03 | NA | 0.03 | 0.03 | 0.033 | NA | NA | NA | 0.03-0.033 | 0.031 |
| Ferrous Iron (mg/L) | NA | 2.5 | NA | 1.1 | 1 | 1 | NA | NA | NA | 1-2.5 | 1.4 |
| Total Manganese (mg/L) | NA | NA | NA | NA | NA | 0.028 | NA | NA | NA | 0.028-0.028 | 0.028 |
| Manganous Manganese (mg/L) | NA | 1 | NA | 0.4 | 1 | 0.2 | NA | NA | NA | 0.2-1 | 0.65 |
| Nitrate as Nitrogen (mg/L) | NA | 0.118 | NA | 0.003 | 2.38 | 0.003 | NA | NA | NA | 0.003-2.38 | 0.63 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | <1000 | NA | <1000 | <1000 | <1000 | NA | NA | NA | <1000-<1000 | #DIV/0! |
| Nitrite as Nitrogen (mg/L) | NA | 0.04 | NA | 0.005 | 0.2 | 0.005 | NA | NA | NA | 0.005-0.2 | 0.06 |
| ortho-Phosphate (mg/L) | NA | 1.3 | NA | 1.3 | 1.6 | 0.3 | NA | NA | NA | 0.3-1.6 | 1.1 |
| Oxidation Reduction Potential (mV) | -100 | -27.8 | -17 | -86 | -10.4 | -36.4 | NA | -94 | -98 | -100 to -10 | -59 |
| pH (standard units) | 9.2 | 9.5 | 8.5 | 9.4 | 9.6 | 9.7 | NA | 10.7 | 8.3 | 8.3-10.7 | 9.3 |
| Sulfate (mg/L) | NA | 392 | NA | 298 | 837 | 517 | 1500 | 260 | 260 | 260-837 | 581 |
| Sulfide (mg/L) | NA | 0.01 | NA | 0.01 | 0.01 | 0.02 | NA | NA | NA | 0.01-0.02 | 0.013 |
| Total Dissolved Solids (mg/L) | 410 | 985 | 690 | 736 | 2100 | 1770 | 4300 | 700 | 730 | 410-4300 | 1380 |
| Total Inorganic Carbon (mg/L) | NA | NA | NA | NA | 81.8 | 121 | NA | NA | NA | 81.8-121 | 101 |
| Uranium (mg/L) | NA | NA | NA | NA | NA | 0.21 | 0.001 | 0 | 0.016 | 0.001-0.21 | 0.057 |

[a]cfu/mL = colony forming units per milliliter
NA = not available

### 9.4.2 Configuration 3

Biogeochemical parameters at observation wells in the Configuration 3 area during fall 2005 (Table 9–3) indicate that nitrification is a significant process in shallow ground water downgradient of the system's extraction wells. Measures of nitrifying bacteria during October 2005 in wells 686 (depth ≈ 18 ft bgs) and 687 (depth ≈ 28 ft bgs) are both 100,000 cfu/mL, and chemical oxygen demand at the wells are 576 and 760 mg/L, respectively. Levels of $NO_3$-N at these wells are also high (513 and 141 mg/L, respectively), which probably result from the degradation of ammonia. Because pumping of Configuration 3 wells did not commence until October 2005 and the closest surface water to observation well 687 at the time was located some 170 ft away at the main river channel, it is highly improbable that this apparent nitrification was induced by pumping of river water. Rather, a more likely source of the oxygen and DOC necessary for facilitating ammonia degradation was recharge water from vegetation test plots lying west of the extraction system. Three different irrigated plots—the Tree Area, C4, and C5—are potential sources of this recharge.

Similar to the Baseline Area, ground water beneath the floodplain at Configuration 3 shows few signs of anaerobic heterotrophic respiration. As discussed previously regarding ground water in the Configuration 1 area, observed concentrations of nitrate, iron, manganese, and sulfate at Configuration 3 wells suggest that, if heterotrophic respiration is occurring in shallow ground water, it is largely undetectable using available biogeochemical indicator chemistry (Table 9–3).

The observations made above regarding biogeochemical activity in the Configuration 3 area in October also tend to apply to December data (Table 9–3). Evidence for continued nitrification is present, but the rate of nitrification appears to be less during December than in October. Chemical oxygen demand and nitrate concentration in wells 686 and 687 are less in December than in October, which suggests that biologically mediated conversion of ammonia to nitrate may have slowed. Again, little to no evidence for anaerobic heterotrophic respiration is seen in the December data.

Biogeochemical parameters measured at Configuration 3 piezometers in October 2005 (Table 9–4) are quite similar to equivalent data for riverbed sediments in the Baseline Area (Section 8.3) and noticeably different from biogeochemical indicators in the riverbed area of Configuration 1 (Table 9–2). This observation can be attributed to the fact that, during months of relatively low river flows, a river side channel plays a major role in ground water/surface water exchange in the Configuration 1 area but no such side channel is present at the other two sites. The relatively large distance separating sub-floodplain ground water from surface water in the main river channel in the Configuration 3 and Baseline areas means that exchange of water between the river and sub-riverbed ground water is likely limited to the few months of each year when river flows peak. It appears that the continual influx of relatively fresh river water to the side channel, even during periods of low river flow, helps to explain why attenuation of constituent concentrations is more pronounced in Configuration 1 riverbed sediments that it is in either of the two other areas.

As with the Baseline Area, significant nitrification occurs in riverbed sediments downgradient of the Configuration 3 area. The level of nitrifying bacteria at each four Configuration 3 piezometers in October 2005 was 100,000 cfu/mL, and high measures of nitrifiers were again observed in riverbed sediments during the following December (Table 9–4). Because levels of

*Table 9–3. Biogeochemical Parameters at Observation Wells in the Configuration 3 Area*

| Analyte | Wells | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|
| | 404 | 686 | 687 | 688 | 689 | | |
| **October 2005** | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | 844 | 712 | 628 | 1032 | 274 | 274-1032 | 698 |
| Ammonia, Total as N (mg/L) | 370 | 149 | 364 | 860 | 290 | 149-860 | 407 |
| Chemical Oxygen Demand (mg/L) | NA | 576 | 760 | NA | 0.46 | 0.46-760 | 445 |
| Dissolved Oxygen (mg/L) | NA | 4.7 | 4.3 | 1.82 | NA | 1.82-4.7 | 3.6 |
| Total Iron (mg/L) | NA | 0.007 | NA | NA | NA | 0.007-0.007 | 0.007 |
| Ferrous Iron (mg/L) | NA | 0.2 | 0.3 | NA | NA | 0.2-0.3 | 0.3 |
| Total Manganese (mg/L) | NA | 3.32 | 4.37 | NA | NA | 3.32-4.7 | 3.85 |
| Manganous Manganese (mg/L) | NA | 3.6 | 2.5 | NA | NA | 2.5-3.6 | 3.1 |
| Nitrate as Nitrogen (mg/L) | NA | 513 | 141 | NA | NA | 141-513 | 327 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | 100000 | 100000 | NA | NA | 100000-100000 | 100000 |
| Nitrite as Nitrogen (mg/L) | NA | NA | 0.125 | NA | NA | 0.125-0.125 | 0.13 |
| ortho-Phosphate (mg/L) | NA | 0.3 | 0.4 | NA | NA | 0.3-0.4 | 0.4 |
| Oxidation Reduction Potential (mV) | 166.2 | 249.2 | 222.7 | 103.5 | 117.9 | 103.5-249.2 | 172 |
| pH (standard units) | 6.8 | 6.7 | 6.8 | 6.8 | 6.7 | 6.7-6.8 | 6.8 |
| Sulfate (mg/L) | 9800 | 7580 | 7780 | 13000 | 6300 | 6300-13000 | 8892 |
| Sulfide (mg/L) | NA | 0.01 | 0.01 | NA | NA | 0.01-0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | 19000 | 18800 | 17000 | 23000 | 86000 | 17000-86000 | 32760 |
| Total Inorganic Carbon (mg/L) | NA | 0.22 | 100 | NA | NA | 0.22-100 | 50.1 |
| Total Kjeldahl Nitrogen (mg/L) | NA | 102 | 595 | NA | NA | 102-595 | 349 |
| Uranium (mg/L) | 3.2 | 2.89 | 2.2 | 3.3 | 3.3 | 2.2-3.3 | 3.0 |
| **December 2005** | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | NA | 690 | 866 | 970 | 446 | 446-970 | 743 |
| Ammonia, Total as N (mg/L) | NA | 88.2 | 385 | 790 | 800 | 88.2-800 | 516 |
| Chemical Oxygen Demand (mg/L) | NA | 295 | 425 | NA | NA | 295-425 | 360 |
| Dissolved Oxygen (mg/L) | NA | 4.07 | 3.3 | 1.02 | 1.06 | 1.02-4.07 | 2.36 |
| Total Iron (mg/L) | NA | 0.007 | 0.007 | NA | NA | 0.007-0.007 | 0.007 |
| Ferrous Iron (mg/L) | NA | 1 | 1 | NA | NA | 1-Jan | 1 |
| Total Manganese (mg/L) | NA | 2.39 | 4.63 | NA | NA | 2.39-4.63 | 3.51 |
| Manganous Manganese (mg/L) | NA | 2.8 | 5.4 | NA | NA | 2.8-5.4 | 4.1 |
| Nitrate as Nitrogen (mg/L) | NA | 521 | 193 | NA | NA | 193-521 | 357 |
| Nitrifying Bacteria (cfu/mL)[a] | NA | 100000 | 1000 | NA | NA | 1000-100000 | 50500 |
| Nitrite as Nitrogen (mg/L) | NA | 0.008 | 0.005 | NA | NA | 0.005-0.008 | 0.007 |
| ortho-Phosphate (mg/L) | NA | 0.3 | 2.7 | NA | NA | 0.3-2.7 | 1.5 |
| Oxidation Reduction Potential (mV) | NA | 87.4 | 168 | 115.1 | 114.3 | 87.4-168 | 121 |
| pH (standard units) | NA | 6.7 | 6.7 | 6.8 | 6.7 | 6.7-6.8 | 6.74 |
| Sulfate (mg/L) | NA | 11000 | 11300 | 12000 | 8000 | 8000-12000 | 10575 |
| Sulfide (mg/L) | NA | 0.01 | 0.01 | NA | NA | 0.01-0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | NA | 17600 | 16500 | 22000 | 74000 | 16500-74000 | 32525 |
| Total Inorganic Carbon (mg/L) | NA | 69 | 111 | NA | NA | 69-111 | 90 |
| Total Kjeldahl Nitrogen (mg/L) | NA | 40.9 | 421 | NA | NA | 40.9-421 | 231 |
| Uranium (mg/L) | NA | 3.45 | 2.65 | 3 | 1.3 | 1.3-3.45 | 2.60 |

[a]cfu/mL = colony forming units per milliliter
NA = not available

*Table 9–4. Biogeochemical Parameters at Riverbed Piezometers in the Configuration 3 Area*

| Analyte | Wells | | | | | | | | Range | Mean |
|---|---|---|---|---|---|---|---|---|---|---|
| | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | | |
| **October 2005** | | | | | | | | | | |
| Alkalinity, Total as $CaCO_3$ (mg/L) | NA | NA | NA | NA | NA | NA | 485 | NA | 485-485 | 485 |
| Ammonia, Total as N (mg/L) | 239 | 422 | 110 | NA | 443 | 17 | NA | 670 | 3-670 | 317 |
| Chemical Oxygen Demand (mg/L) | NA | NA | NA | NA | 346 | NA | 200 | NA | 200-346 | 273 |
| Dissolved Oxygen (mg/L) | 4.3 | 6.3 | 0.19 | 3 | 7.3 | 0.86 | 0.13 | 0.08 | 0.08-7.3 | 2.8 |
| Total Iron (mg/L) | 0.03 | 0.472 | NA | NA | 0.797 | NA | NA | NA | 0.03-0.797 | 0.43 |
| Ferrous Iron (mg/L) | 0.5 | 0.2 | NA | 1 | 0.61 | NA | NA | NA | 0.2-1 | 0.6 |
| Total Manganese (mg/L) | NA | 3.57 | NA | NA | 4 | NA | NA | NA | 3.57-4 | 3.8 |
| Manganous Manganese (mg/L) | 5.5 | 2.8 | NA | 4.8 | 3.8 | NA | NA | NA | 2.8-5.5 | 4.2 |
| Nitrate as Nitrogen (mg/L) | 254 | 110 | NA | 102 | 126 | NA | NA | NA | 102-254 | 148 |
| Nitrifying Bacteria (cfu/mL)[a] | 100000 | 100000 | NA | 100000 | 100000 | NA | NA | NA | 100000-100000 | 100000 |
| Nitrite as Nitrogen (mg/L) | 1.39 | 5.6 | NA | NA | 5.7 | NA | NA | NA | 1.39-5.7 | 4.2 |
| ortho-Phosphate (mg/L) | 3.3 | 0.3 | NA | NA | 0.3 | NA | NA | NA | 0.3-3.3 | 1.3 |
| Oxidation Reduction Potential (mV) | -86.4 | -293.9 | 126 | -218.5 | -309.8 | -44.3 | -198 | -281.6 | -310 to 126 | -163 |
| pH (standard units) | 7.4 | 8.2 | 8.0 | 8.5 | 8.4 | 8.8 | 8.5 | 9.2 | 7.4-9.2 | 8.4 |
| Sulfate (mg/L) | 7920 | 7040 | 1800 | 6240 | 7690 | 330 | 2400 | 7900 | 330-7920 | 5165 |
| Sulfide (mg/L) | 0.01 | 0.02 | NA | NA | 0.01 | NA | NA | NA | 0.01-0.02 | 0.01 |
| Total Dissolved Solids (mg/L) | NA | 14900 | 3500 | 12000 | 14800 | 720 | 4300 | 12000 | 720-14900 | 8889 |
| Total Inorganic Carbon (mg/L) | NA | NA | NA | NA | 78.5 | NA | NA | NA | 78.5-78.5 | 78.5 |
| Total Kjeldahl Nitrogen (mg/L) | NA | NA | NA | NA | 655 | NA | NA | NA | 655-655 | 655 |
| Uranium (mg/L) | NA | 0.353 | 0.62 | NA | 0.783 | 0.001 | 0.69 | 0.001 | 0.001-0.783 | 0.41 |
| **December 2005** | | | | | | | | | | |
| Ammonia, Total as N (mg/L) | 270 | 469 | 170 | NA | 483 | 68 | 250 | 540 | 68-540 | 321 |
| Dissolved Oxygen (mg/L) | 6.1 | 4.8 | 6.26 | 6.3 | 5.58 | 10.58 | 8.48 | 4.91 | 4.8-10.58 | 6.6 |
| Total Iron (mg/L) | 0.007 | 0.12 | NA | NA | 0.417 | NA | NA | NA | 0.007-0.417 | 0.18 |
| Ferrous Iron (mg/L) | 1 | 1 | NA | 1 | 1 | NA | NA | NA | 1.0-1.0 | 1 |
| Total Manganese (mg/L) | 3.91 | 4.7 | NA | NA | 3.98 | NA | NA | NA | 3.91-4.7 | 4.20 |
| Manganous Manganese (mg/L) | 6.6 | NA | NA | 0.5 | 4.1 | NA | NA | NA | 0.5-6.6 | 3.7 |
| Nitrate as Nitrogen (mg/L) | 220 | 231 | NA | 77.9 | 127 | NA | NA | NA | 77.9-231 | 164 |
| Nitrifying Bacteria (cfu/mL)[a] | 100000 | 100000 | NA | 100000 | NA | NA | NA | NA | 100000-100000 | 100000 |
| Nitrite as Nitrogen (mg/L) | 0.68 | 5.95 | NA | NA | 2.7 | NA | NA | NA | 0.68-5.95 | 3.11 |
| ortho-Phosphate (mg/L) | 0.3 | 1.3 | NA | NA | 0.3 | NA | NA | NA | 0.3-1.3 | 0.6 |
| Oxidation Reduction Potential (mV) | 66.8 | 61 | 24 | 75.2 | -11.8 | -26 | 33 | -51 | -51 to 75.2 | 21.4 |
| pH (standard units) | 7.7 | 8.3 | 7.7 | 8.8 | 8.8 | 9.4 | 8.1 | 9.5 | 7.7-9.5 | 8.5 |
| Sulfate (mg/L) | 7540 | 8750 | 3300 | NA | 8600 | 670 | 3700 | 8000 | 670-8750 | 5794 |
| Sulfide (mg/L) | 0.01 | 0.01 | NA | NA | 0.01 | NA | NA | NA | 0.01-0.01 | 0.01 |
| Total Dissolved Solids (mg/L) | 15700 | 16700 | 6200 | NA | 15400 | 1300 | 6500 | 13000 | 1300-16700 | 10686 |
| Total Inorganic Carbon (mg/L) | 220 | NA | NA | NA | 240 | NA | NA | NA | 220-240 | 230 |
| Uranium (mg/L) | 2.36 | NA | 0.86 | NA | 0.976 | NA | 1 | 0.001 | 0.001-2.36 | 1.04 |

[a]cfu/mL = colony forming units per milliliter
NA = not available

$NO_3$-N were also relatively high in the Configuration 3 piezometers during both months, it appears unlikely that denitrification was occurring at a significant rate. Accordingly, there was little to no evidence of manganese, iron, or sulfate reduction in the Configuration 3 piezometers

during late 2005, despite the fact that ORP values in the riverbed sediments during October were relatively low (mean ORP = - 163 mV). The range of pH values measured in samples from the piezometers during both months (7.4–9.5) indicated that surface water from the river had, at some time during the year, infiltrated the riverbed subsurface.

Similar to the riverbed piezometers in the Baseline Area, but unlike those in the Configuration 1 area, biogeochemical indicator parameters at Configuration 3 piezometers suggested that little to no anaerobic heterotrophic respiration was occurring in sub-riverbed sediments in late 2005. The presumed reason for this observation was the lack of interchange between surface water and ground water in months following the high river runoff that continued into early July 2005.

# 10.0 Summary and Conclusions

This performance assessment was conducted to (1) evaluate the capacity of Configuration 1 and Configuration 3 extraction wells under the Ground Water IA to remove contaminated water from the alluvial ground water system lying between the Moab tailings pile and the Colorado River; (2) assess the effects of pumping in these areas on water quality in fish habitat near the river's west bank; (3) interpret hydraulic and water quality changes observed in ground water as a result of pumping the IA extraction wells; and (4) develop a more comprehensive understanding of flow behavior and chemistry in ground water at the Moab Site, particularly as affected by interactions with the Colorado River. As part of this investigation, data collected during 2005 and earlier years were used to update the conceptual model of ground water flow that was previously developed for the site. Many of the findings from this investigation were based on comprehensive assessments of the spatial distribution of water chemistry parameters in ground water in the vicinity of all three configurations that currently comprise the IA. In addition, much of this study focused on the potential for biogeochemical activity to influence subsurface water chemistry, especially in the hyporheic zone found adjacent to and beneath the river.

In the interest of simplifying discussion of the numerous analyses carried out for this investigation, findings are presented within four general categories: (1) the Moab Site conceptual model; (2) performance of individual components of the Ground Water IA; (3) performance of the system as a whole; and (4) site hydrogeology and water chemistry. Though some overlap between these categories is apparent, the manner with which study conclusions are provided should help to plan both future ground water investigations and activities for improving IA operations.

## 10.1 Conclusions Regarding the Site Conceptual Model

- The data analyzed for this performance report reinforced previous assessments of the hydraulic relationships between the Colorado River and ground water (DOE 2003d, 2005b) in the vicinity of the IA.
- The Colorado River in Moab Valley acts as a site of regional ground water discharge, with local ground water migrating toward to the river from both the west and the east.
- Ground water discharge to the river causes saline water derived from dissolution of evaporite sediments in the Paradox Formation to migrate upward toward the river, resulting in TDS concentrations of 80,000 mg/L or greater beneath the river.
- Contaminated shallow ground water migrating southeastward from the Moab tailings pile discharges to a relatively narrow band of surface water located close to the river's west bank. The presence of brine (TDS > 35,000 mg/L) below the river and the density-dependent flow processes associated with it prevent ground water from migrating from one river bank to another.
- Density-dependent flow processes at the Moab Site cause the depth to the top of brine (brine surface) to be greatest below the western portion of the site and to gradually decrease closer to the river. The brine surface appears to intersect the river close to its west bank.
- The depth to the brine surface near the edge of the river floodplain varies with distance along the river. Brine is observed near the top of the saturated zone south of the site because little to no ground water flows toward the river in this area, whereas the brine surface in the

Configuration 3 and Baseline areas can reach depths of 55 ft or more due to ground water flow from the west.

- Relatively small depths to the brine surface are observed in the vicinity of Configurations 1 and 2 (~25-35 ft bgs) because ground water here discharges to a river side channel located very close to the steep bank that marks the west edge of the floodplain. Greater depths to the brine surface in the Configuration 3 and Baseline areas are the result of river sedimentation in near-bank areas of the riverbed, which filled in former side channels and now causes ground water to discharge to the main river channel located as much as 170 ft east of the steep river bank.
- Geochemical fingerprinting using chloride/bromide ratios indicates that brine found in shallow ground water south of the Moab Site is derived solely from dissolution of Paradox Formation sediments.
- Increases in river flow and surface water elevation cause increases in ground water elevation below the Moab Site. During periods of low river flow, the brine surface near the river increases with mild increases in river stage; in contrast temporary bank storage of river water during periods of very high river flow in the spring can cause the brine surface to decrease until high river stages subside.
- The hyporheic zone located in the uppermost few tens of feet below the riverbed facilitates mixing of river water and contaminated ground water before the ground water discharges to the river via side channels or the main channel.
- Biologically mediated chemical processes that appear to occur in the hyporheic zone as a result of the mixing of river water with ground water include ammonia degradation via nitrification and nitrate degradation via denitrification.
- Pumping of IA extraction wells located close to the river induces infiltration of surface water from river side channels where present, thus interrupting the discharge of contaminated ground water to the side channels and reducing contamination in surface water.
- Pumping induced infiltration of river water causes migration of river and hyporheic zone water toward IA extraction wells, which helps dilute constituent concentrations in shallow ground water. The flow of oxygenated river water toward the extraction wells may induce or enhance biogeochemical processes such as nitrification in shallow ground water
- The river water and hyporheic zone water that flows toward IA extraction wells during the pumping season gradually migrates back to river side channels and the main river channel after pumping is terminated in early winter months, which possibly enables continued attenuation of contaminant concentrations in surface water after pumping ceases.
- Recharge of oxygenated, surface irrigation water on vegetation test plots located just west of IA systems appears to dilute shallow ground water, where it may enhance conversion of ammonia to nitrate via nitrification. Oxygenated water in the irrigation recharge may also increase uranium concentrations in shallow ground water.

## 10.2 Conclusions Regarding Configuration 1 Performance

- Ground water pumping at Configuration 1 reduced discharge of contaminated ground water to the river side channel located downgradient of the extraction wells, which helped reduce ammonia concentrations in the side channel to relatively low levels.

- During 2005, Configuration 1 wells had average pumping rates that ranged from 0.9 to 3.7 gpm; pumping rates were limited due to well efficiency issues.
- Wellhead flow meters installed at extraction wells indicated that about 8.7 million gallons of ground water were removed by Configuration 1 wells during 2005. However, the totalizer meter for Configuration 1 indicated that more than 11 million gallons were removed.
- The average pumping rate at well PW02 for 2005 was 20.1 gpm. More than 6 million gallons of ground water were withdrawn at this well after it was added to the extraction system in early April.
- Ground water elevation data were used to determine the extent of the capture zone created by pumping from Configuration 1 wells. Drawdowns created by Configuration 1 pumping were discerned as far as 35 ft upgradient of the extraction wells and about 70 ft in the downgradient direction.
- During peak river flow periods in spring and early summer 2005 (late February through July), the increased river stage resulted in a site-wide increase of ground water elevations in the floodplain area. As a result, it was difficult to quantify drawdowns caused by Configuration 1 pumping.
- Specific capacities computed for individual Configuration 1 extraction wells during full system operation in 2005 generally fell in the range of 1.1 to 1.3 gpm/ft. These values are comparable to the specific capacities measured in Configuration 1 wells during the 2004 pumping season, suggesting that well efficiencies did not change significantly during the 2005 season.
- During 2005, ground water extraction at Configuration 1 wells removed estimated totals of about 11,260 kg of ammonia and 67 kg of uranium from ground water.
- Pumping at well PW02 removed an estimated additional 24,270 kg of ammonia and about 49 kg of uranium from site ground water during 2005.

## 10.3 Conclusions Regarding Configuration 3 Performance

- The Configuration 3 system was added to the IA well field in late August 2005. Baseline sampling results in the area indicated the local brine surface was relatively deep, exceeding a depth of 54 ft bgs.
- Step-drawdown test results at individual Configuration 3 extraction wells resulted in an average per-well specific capacity of 12.2 gpm/ft. Hydraulic conductivities estimated from computed specific capacities ranged from 117 to 131 ft/day, which are within the range of hydraulic conductivities established for the alluvial aquifer in previous investigations.
- The relatively high specific capacities for Configuration 3 wells in comparison to Configuration 1 wells can be attributed to each well's longer screened interval (up to 30 ft), larger sized screen openings (20 slot versus 10 slot), and coarser grained sand pack (10/20 sand pack versus 16/40 sand pack).
- During full-system operation in 2005, average per-well pumping rates at Configuration 3 wells ranged from 3.1 to 4.8 gpm. These rates were not limited by well efficiency issues (i.e., the wells were not stressed to maximize pumping); thus Configuration 3 wells can potentially be pumped at considerably higher rates.

- On the basis of data collected at wellhead flow meters, an estimated 4.8 million gallons of ground water was extracted at the Configuration 3 system during 2005; the comparable estimate using the a totalizer flow meter was 5.6 million gallons.
- Ground water elevation data during full-scale operation of Configuration 3 indicated that drawdowns near the extraction wells can be as large as 2 to 3 ft.
- Computed specific capacities at individual Configuration 3 wells during full system operation ranged from 1.1 to 7.3 gpm/ft. These specific capacity values are significantly lower than those derived from step-drawdown tests at individual wells, reflecting the additive effects (superposition) of drawdown when multiple wells are pumped simultaneously.
- During 2005, Configuration 3 extraction wells removed an estimated 9,940 kg of ammonia and about 51 kg of uranium from ground water. These quantities constituted up to 90 percent of the ammonia mass and 75 percent of the uranium mass removed by Configuration 1 wells (excluding well PW02) in 2005 despite the fact that Configuration 3 wells operated for only a third of the pumping season.

## 10.4 Conclusions Regarding Remediation System Performance

- A total of approximately 22.7 million gallons of ground water was pumped to the evaporation pond on the Moab tailings pile in 2005, which resulted in an estimated 45,475 kg of ammonia and 165 kg of uranium being removed from ground water.
- During 2005, about 23.3 million gallons of pond water was either evaporated directly to the atmosphere or distributed by the sprinkler system on the tailings pile. Depth of water in the evaporation pond ranged from 5.4 to 8.8 ft during the year.

## 10.5 Conclusions Regarding Site Hydrogeology and Ground Water Chemistry

### 10.5.1 Configuration 1

- TDS, ammonia, and uranium concentrations at Configuration 1 extraction wells decreased significantly when Colorado River flows exceeded 20,000 cfs during spring runoff months (late February through early July); the concentration decreases were caused by bank storage of river water.
- Constituent concentrations at observation wells associated with the Configuration 1 system changed in response to a variety of factors other than pumping and high river flows, including spatial differences in hydraulic conductivity of the shallow aquifer, injection of freshwater at Configuration 2 (off the northern end of Configuration 1), and recharge from flood irrigation on vegetation test plots located upgradient of the extraction wells.
- Increased river flows during spring 2005 had only minor effects on analyte concentrations in samples collected from extraction well PW02. This observation is mostly attributed to the 300 ft of distance lying between the well and the river's west bank.
- Water chemistry data collected from the observation well cluster located just downgradient (approximately 20 ft) of the Configuration 1 extraction well axis indicated that the brine surface lies between 25 and 40 ft bgs during periods of non-pumping and low river flow. Data collected from these observation wells indicated that ground water extraction reduces TDS concentrations in the shallow part of the aquifer (~18 ft bgs) due to influx of river

water but has the capacity to increase TDS concentrations in deeper ground water because of saltwater upconing.

- Water chemistry data collected from the Configuration 1 well cluster located close to the edge of the floodplain (approximately 60 ft downgradient of the extraction well axis) indicates the brine surface lies between 19 and 31 ft bgs during periods of non-pumping and low river flow. Analyte concentrations measured in a cluster well at about 31 ft bgs decreased during the high spring runoff period, apparently in response to bank storage of river water.
- Constituent concentrations in shallow ground water downgradient of Configuration 1 extraction wells while they were being pumped generally decreased with proximity to the river.
- The water chemistry at shallow observation wells 403 and 407 did not appear to respond to high river flows in spring 2005 despite the wells' locations just off the riverbank. Early 2005 Configuration 1 pumping may have sufficiently decreased local analyte concentrations so that additional influx of river water to the shallow aquifer in spring 2005 was nondiscernible. Water chemistry data obtained from wells 403 and 407 indicate that the aquifer is more permeable in the southern half of the system than in the northern half.
- Limited access to the riverbed adjacent to Configuration 1 during months of high spring runoff limited the availability of piezometer data and the ability to identify associated short-term responses to high river stages. During low river flow months, pumping of Configuration 1 wells appeared to reduce analyte concentrations at riverbed piezometers, particularly in the shallowest piezometers.
- Surface water analyte concentrations measured in samples collected from the river side channel located downgradient of Configuration 1 peaked in December 2004, the reasons for which are not clear. Concentrations subsequently declined to low levels that were observed just prior to peak runoff in the river.

### 10.5.2 Configuration 3

- Configuration 3 wells were not affected by high river flows because they were installed after the peak runoff months. Analyte concentrations in samples collected from extraction wells located at the southern end of the system were relatively low due to freshwater injection in the adjacent Configuration 2 area.
- TDS and ammonia concentrations in shallow ground water pumped from extraction wells in the northern half of the well system appeared to be relatively low, perhaps in response to recharge of freshwater during flood irrigation of vegetation test plot C5.
- The influence of Configuration 3 pumping on TDS, ammonia and uranium concentrations at Configuration 3 riverbed piezometers appeared to be very minor due to the limited period of pumping from the extraction wells.

### 10.5.3 Baseline Area

- TDS concentrations in samples from 46 and 54 ft bgs at a Baseline Area well cluster located near the edge of the river floodplain decreased in response to the high spring runoff in the river. TDS concentrations measured in samples collected from 33 ft bgs did not appear to be affected by the high river stages observed during peak runoff months.
- Increases in uranium concentration measured in observation wells at the Baseline Area in late 2005 may have been caused by recharge of oxygenated water in vegetation test plot C6 located upgradient of the area.

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# Appendix A

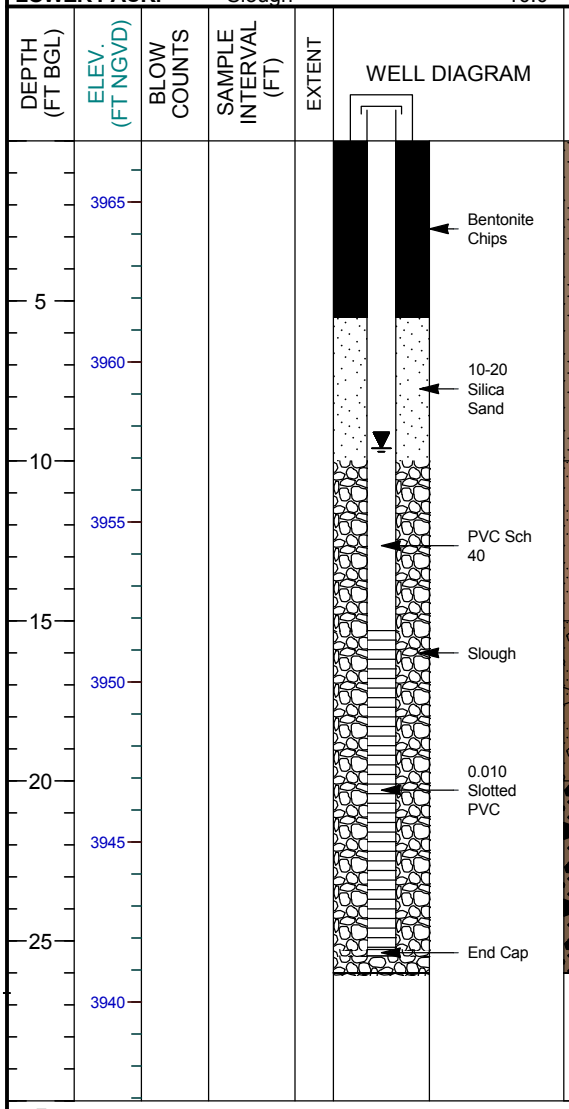
# Well Logs

# MONITORING WELL COMPLETION LOG MOA01-0596

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0596 | **DATE DRILLED** | 06/22/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663443.17 | **SURFACE ELEV. ( FT NGVD)** | 3966.91 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186066.24 | **TOP OF CASING (FT)** | 3968.76 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 26.00 | **MEAS. PT. ELEV. (FT)** | 3968.76 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 25.47 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 11.46 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | WELL INSTALLATION | INTERVAL (FT) | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.85 | to | 15.3 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 15.3 | to | 25.27 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 25.27 | to | 25.47 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 5.5 |
| **UPPER PACK:** | 10-20 Silica Sand | 5.5 | to | 10.0 |
| **LOWER PACK:** | Slough | 10.0 | to | 26.05 |

**WATER LEVEL DATE** 06/29/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 06/29/2005
**REMARKS** Lithology description from well location # MOA01-0560.




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); brown (7.5YR 5/3), dry, mostly silt (80%), some very fine grained sand, calcareous, well rounded, trace mica.

5.0-10.0 ft. slightly damp, with trace clay, some mottling. Very fine grained sand increasing, calcareous.

10.0-15.0 ft. SAND (SP); fine to medium grained, damp, reddish brown (5YR 5/4), pebbles up to 3.0" in diameter, calcareous.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); sand (80%) is medium to fine grained, well to subrounded, cobbles (20%) up to 3.0" in diameter axis, calcareous, moist, brown (7.5YR 4/4).

20.0-26.0 ft. SANDY GRAVEL (GW-SW); mostly subrounded to well rounded gravel and cobbles (up to 6.0" in diameter), fine to medium grained sand matrix (~25%), wet, calcareous, brown (7.5YR 4/3).

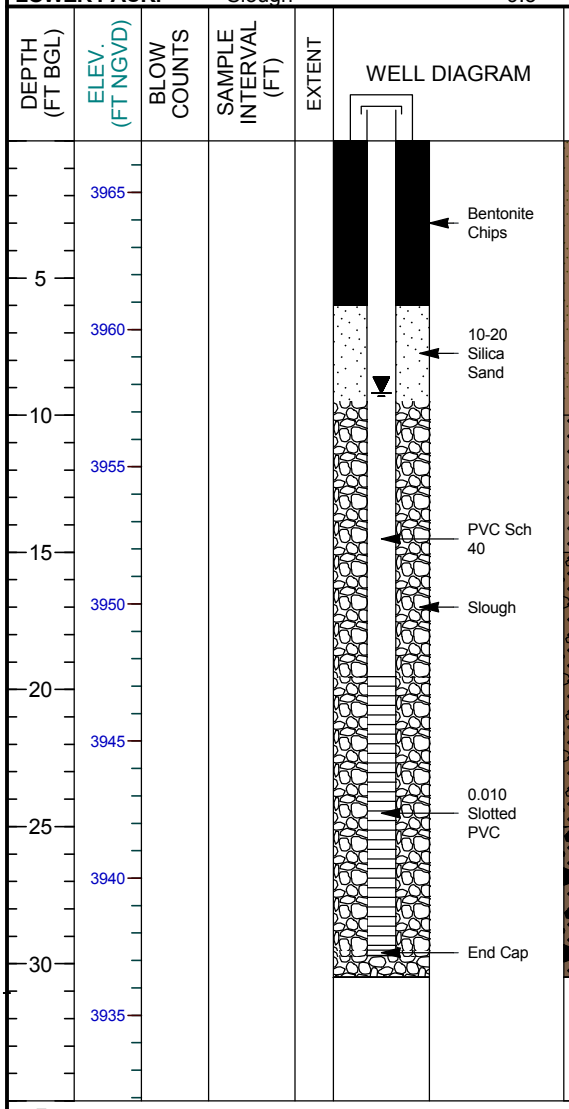
Total Depth 26.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0600

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0600 | **DATE DRILLED** | 06/21/2005 to 06/23/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663679.90 | **SURFACE ELEV. ( FT NGVD)** | 3966.88 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186040.24 | **TOP OF CASING (FT)** | 3968.77 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 30.50 | **MEAS. PT. ELEV. (FT)** | 3968.77 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 29.70 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 11.08 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | WELL INSTALLATION | INTERVAL (FT) | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.89 | to | 19.53 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 19.53 | to | 29.5 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 29.5 | to | 29.7 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 6.0 |
| **UPPER PACK:** | 10-20 Silica Sand | 6.0 | to | 9.5 |
| **LOWER PACK:** | Slough | 9.5 | to | 30.5 |

**WATER LEVEL DATE** 06/23/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 06/23/2005
**REMARKS** Lithology description from well location # MOA01-0573.




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SILTY SAND (SM); dry, mostly very fine grained sand (80%) and 20% silt, brown (7.5YR 5/4), dry.

5.0-10.0 ft. trace of clay with mottles (white), brown (7.5YR 5/3), slightly damp.

10.0-15.0 ft. SAND (SW); mostly fine to medium grained sand, damp, brown (7.5YR 5/3), trace pebbles up to 1/2" in diameter.

15.0-25.0 ft. GRAVELLY SAND (SW-GW): moist, 80-85% sand, very fine to medium grained, ~15-20% pebbles up to 2.0" in diameter, matrix sand is brown (7.5YR 4/4).

20.0-25.0 ft. increase in amount of pebbles up to 2.0" in diameter (~25-30%), wet, brown (7.5YR 4/3).

25.0-30.5 ft. SANDY GRAVEL (GW-SW); approximately 65% gravel and cobbles up to 3.0" in diameter, matrix sandy material is fine to medium grained and brown (7.5YR 4/3), wet.

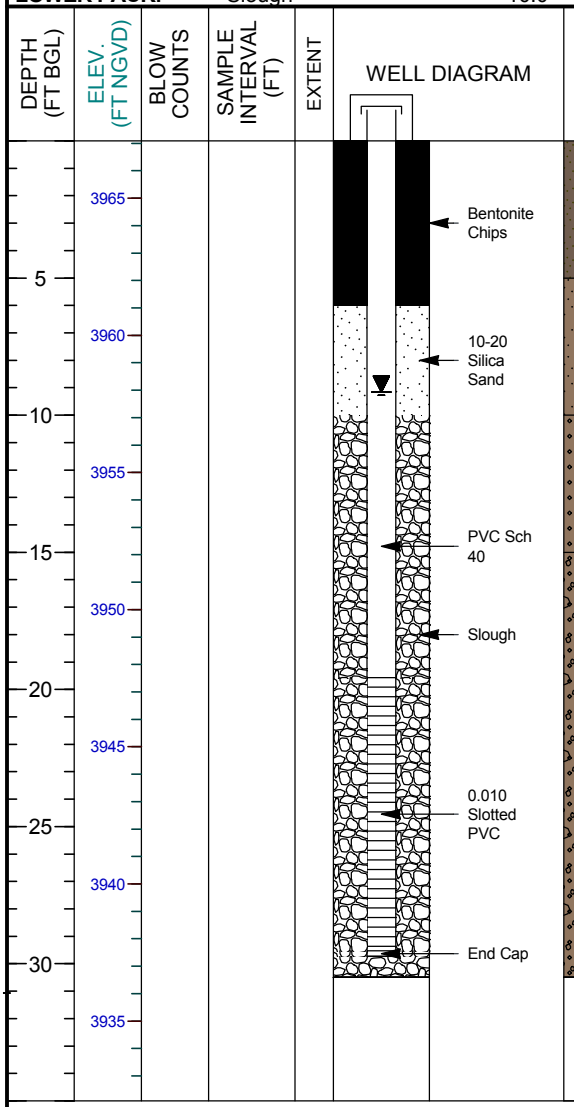
Total Depth 30.5 ft.

# MONITORING WELL COMPLETION LOG MOA01-0601

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0601 | **DATE DRILLED** | 06/22/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663801.57 | **SURFACE ELEV. ( FT NGVD)** | 3967.09 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186084.28 | **TOP OF CASING (FT)** | 3968.73 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 30.50 | **MEAS. PT. ELEV. (FT)** | 3968.73 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 29.73 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 10.8 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.64 | to | 19.56 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 19.56 | to | 29.53 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 29.53 | to | 29.73 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 6.0 |
| **UPPER PACK:** | 10-20 Silica Sand | 6.0 | to | 10.0 |
| **LOWER PACK:** | Slough | 10.0 | to | 30.5 |

**WATER LEVEL DATE** 06/22/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 06/22/2005
**REMARKS** Lithology description from well location # MOA01-0577.




**LITHOLOGIC DESCRIPTION**

0-5.0 ft. SILTY SAND (SM); damp, mostly very fine grained sand (80%), 20% silt, brown (7.5YR 4/2).

5.0-10.0 ft. SANDY SILT (ML-SP); dry, 80% silt, and 20% very fine grained sand, brown (7.5YR 5/3), trace clay with mottles (white).

10.0-15.0 ft. SAND (SW); mostly fine to medium grained, damp, brown (7.5YR 5/3), trace pebbles (1/2" in diameter).

15.0-30.5 ft. GRAVELLY SAND (SW-GW); damp to moist, 75-80% very fine to medium grained sand, 20% pebbles up to 2.0" in diameter, matrix sand is brown (7.5YR 5/3).

20.0-30.0 ft. equal amounts of sand (fine to medium grained) and gravel (pebbles and cobbles up to 3.0" in diameter), matrix sandy material is brown (7.5YR 4/3), wet, calcareous throughout hole depth.

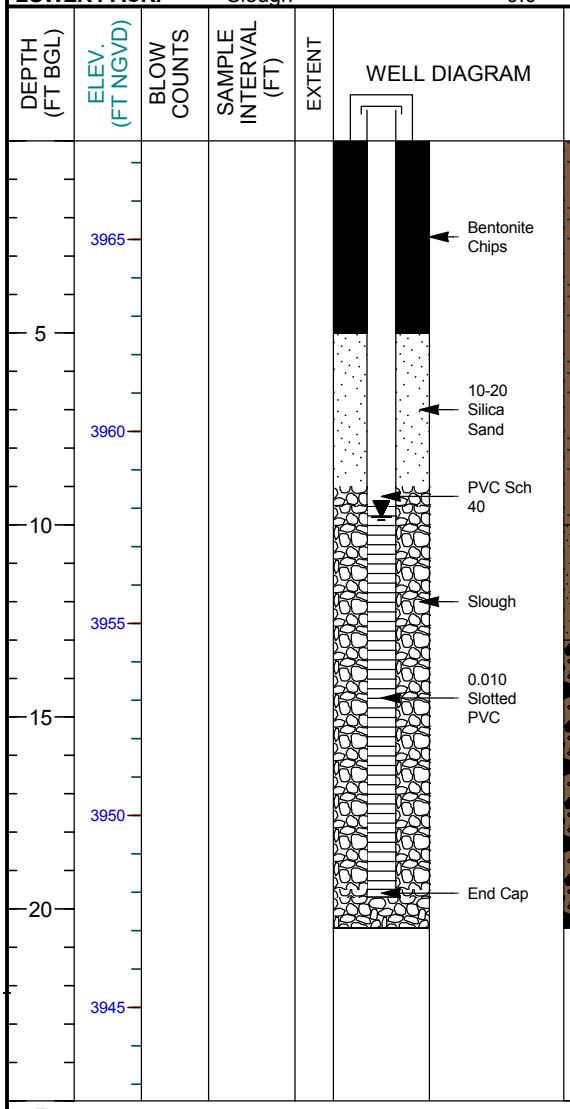
Total Depth 30.5 ft.

# MONITORING WELL COMPLETION LOG MOA01-0602

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0602 | **DATE DRILLED** | 06/20/2005 to 06/22/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663721.92 | **SURFACE ELEV. ( FT NGVD)** | 3967.57 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186112.88 | **TOP OF CASING (FT)** | 3969.40 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 20.50 | **MEAS. PT. ELEV. (FT)** | 3969.40 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 19.69 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 11.62 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| **WELL INSTALLATION** | | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.83 | to | 9.52 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 9.52 | to | 19.49 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 19.49 | to | 19.69 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 5.0 |
| **UPPER PACK:** | 10-20 Silica Sand | 5.0 | to | 9.0 |
| **LOWER PACK:** | Slough | 9.0 | to | 20.5 |

**WATER LEVEL DATE** 06/23/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 06/22/2005
**REMARKS** Lithology description from well location # MOA01-0588.




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); reddish brown (5YR 4/4), dry, mostly silt and very fine grained sand.

6.0-10.0 ft. sand increases, very fine grained, mottling with white caliche, trace clay, trace small pebbles.

10.0-13.0 ft. SAND (SP); mostly medium grained sand, with <5% clay, brown (7.5YR 4/4), trace pebbles.

13.0-20.5 ft. SANDY GRAVEL (GW-SW); damp, mostly (65%) well-rounded gravel up to 3.0" in diameter and fine to medium grained sand (30%), trace of clay or very fine grained sand, brown (7.5YR 4/4).

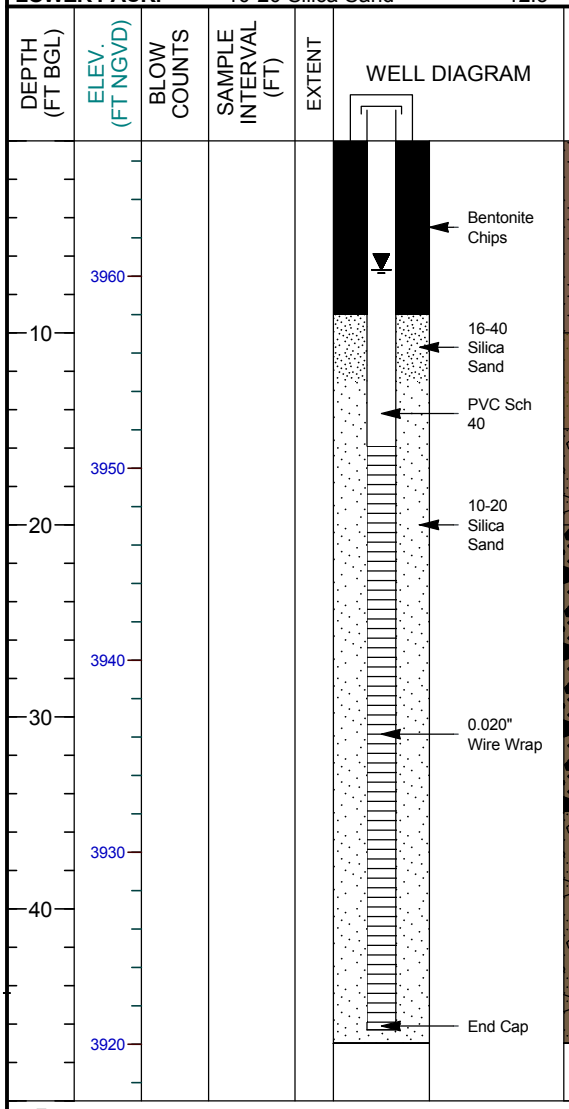
Total Depth 20.5 ft.

# MONITORING WELL COMPLETION LOG MOA01-0670

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0670 | **DATE DRILLED** | 06/25/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663880.22 | **SURFACE ELEV. ( FT NGVD)** | 3967.05 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186129.16 | **TOP OF CASING (FT)** | 3969.54 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.54 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 46.30 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BTOC)** | 9.2 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.49 | to | 15.9 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.9 | to | 45.9 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.9 | to | 46.3 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.0 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.0 | to | 12.5 |
| **LOWER PACK:** | 10-20 Silica Sand | 12.5 | to | 47.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/22/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); reddish brown (5YR 4/3), ~70% silt, 30% very fine grained sand, trace of clay, damp.

10.0-15.0 ft. SILTY SAND (SM); brown (7.5YR 4/4), ~30% silt, 70% very fine to medium grained sand, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (7.5YR 4/3), ~60% fine to coarse grained sand, ~40% gravel (up to 2.0" in diameter), subangular to subrounded, wet.

20.0-47.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 3.0" in diameter), wet.

Transition between sandy gravel and gravelly sand.

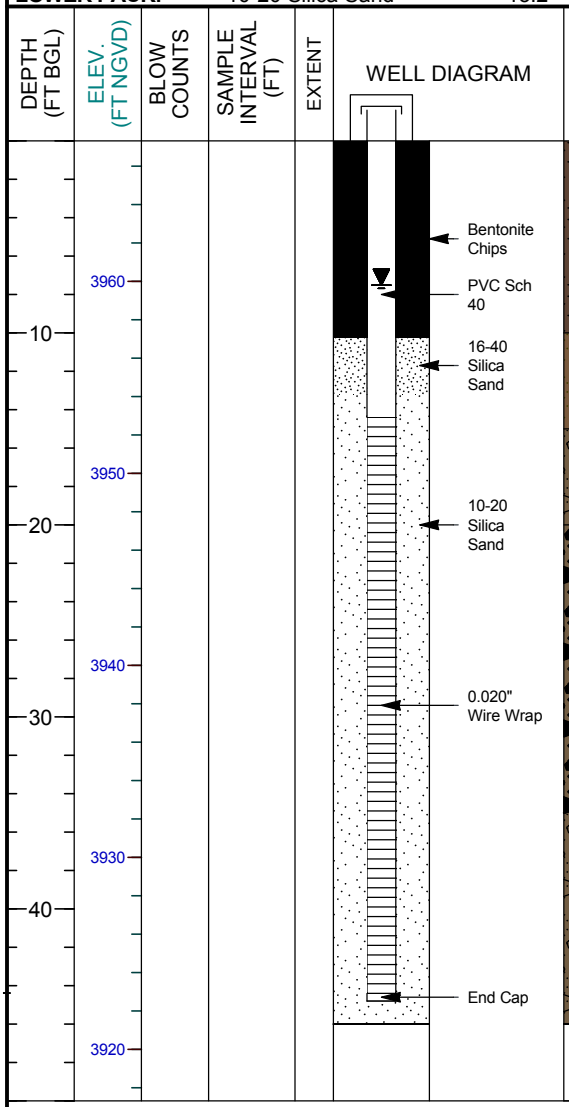
Total Depth 47.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0671

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0671 | **DATE DRILLED** | 06/27/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663912.57 | **SURFACE ELEV. ( FT NGVD)** | 3967.31 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186141.40 | **TOP OF CASING (FT)** | 3969.50 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 46.00 | **MEAS. PT. ELEV. (FT)** | 3969.50 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 44.80 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BTOC)** | 9.7 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.19 | to | 14.4 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 14.4 | to | 44.4 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 44.4 | to | 44.8 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 10.2 |
| **UPPER PACK:** | 16-40 Silica Sand | 10.2 | to | 13.2 |
| **LOWER PACK:** | 10-20 Silica Sand | 13.2 | to | 46.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/22/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); dark reddish brown (5YR 3/3), ~60% silt, 40% very fine to medium grained sand, trace of clay, damp.

@8.0 ft. hit water.

10.0-15.0 ft. SILTY SAND (SM); brown (7.5YR 4/4), ~40% silt, 60% very fine to medium grained sand, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (10YR 4/3), ~30% subangular to rounded gravel (up to 3.0" in diameter), medium to coarse grained sand, wet. Lost fines in water.

20.0-46.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 3.0" in diameter), wet. ~30% gravel and 40% sand.

Transition between sandy gravel and gravelly sand.

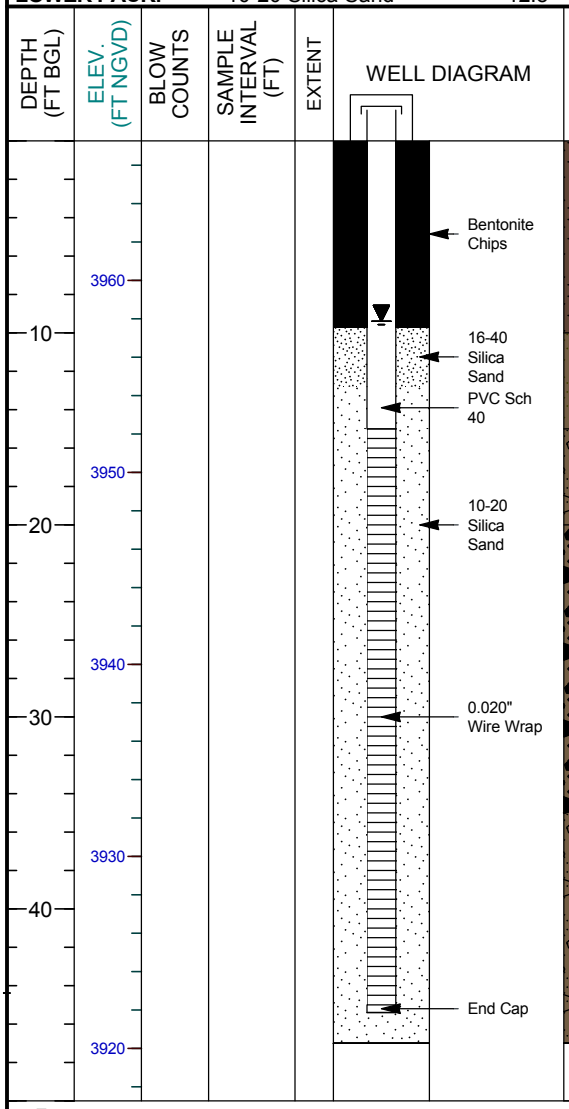
Total Depth 46.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0672

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0672 | **DATE DRILLED** | 06/27/2005 to 06/28/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663937.33 | **SURFACE ELEV. ( FT NGVD)** | 3967.27 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186148.95 | **TOP OF CASING (FT)** | 3969.57 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.57 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 45.40 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 9.4 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.3 | to | 15.0 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.0 | to | 45.0 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.0 | to | 45.4 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.7 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.7 | to | 12.8 |
| **LOWER PACK:** | 10-20 Silica Sand | 12.8 | to | 47.0 |

**WATER LEVEL DATE** 06/28/2005
**DRILLER** Lamon, A.
**LOGGED BY** Pill, K.
**SAMPLING METHOD** Airlift/Cyclone
**DATE DEVELOPED**
**REMARKS**




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); dark reddish brown (5YR 3/3), ~60% silt, 40% very fine to medium grained sand, trace of clay, damp.

@9.0 ft. hit water.

10.0-15.0 ft. SILTY SAND (SM); brown (10YR4/3), ~40% silt, 60% very fine to medium grained sand, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (10YR 4/3), ~30% subangular to rounded gravel (up to 3.0" in diameter), medium to coarse grained sand, wet. Lost fines in water.

20.0-47.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 3.0" in diameter), wet. ~60% gravel and 40% sand.

Transition between sandy gravel and gravelly sand.

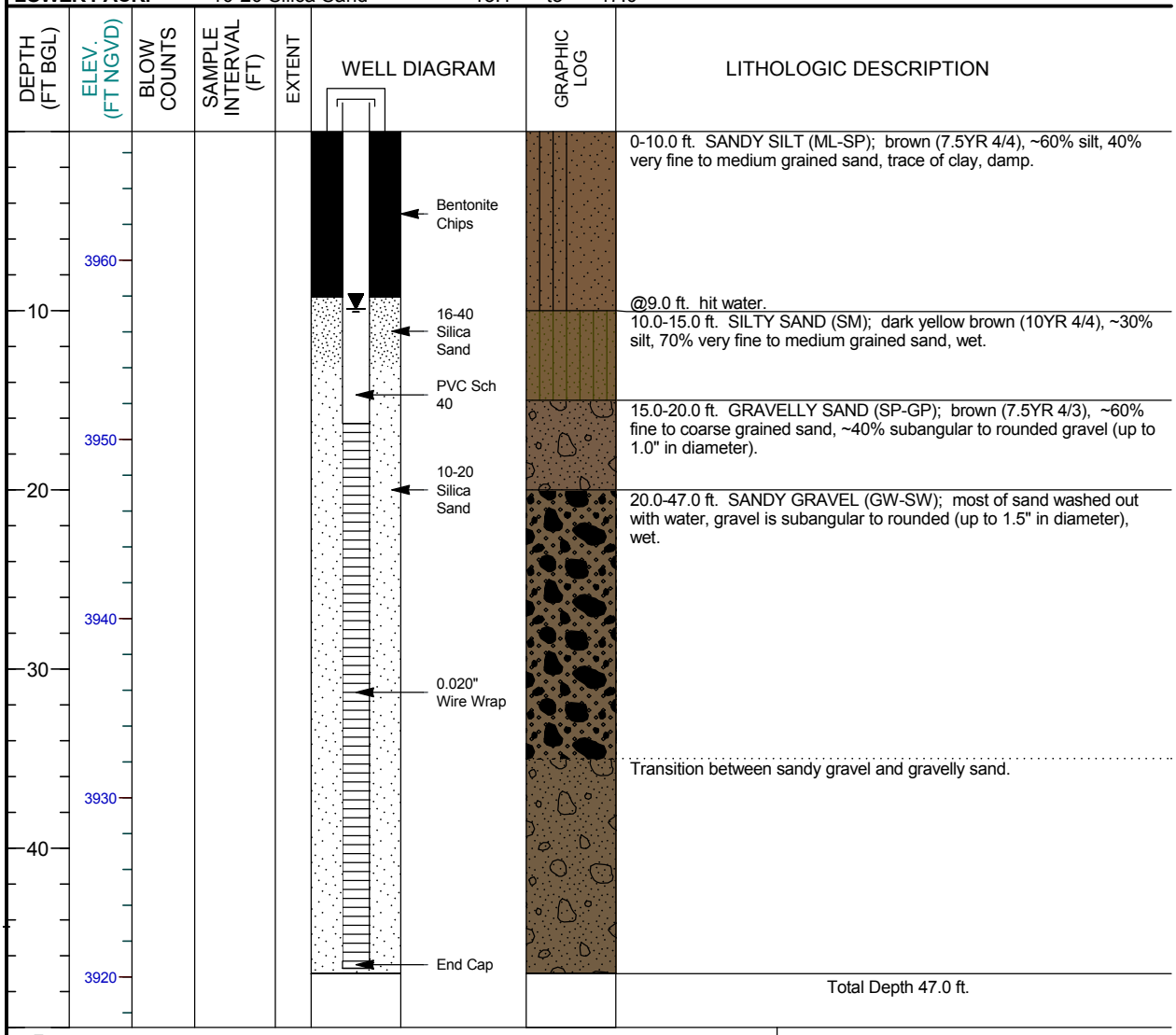
Total Depth 47.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0673

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0673 | **DATE DRILLED** | 06/28/2005 to 06/29/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663965.85 | **SURFACE ELEV. ( FT NGVD)** | 3967.19 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186158.52 | **TOP OF CASING (FT)** | 3969.44 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.44 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 46.70 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 9.9 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.25 | to | 16.3 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 16.3 | to | 46.3 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 46.3 | to | 46.7 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.2 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.2 | to | 13.1 |
| **LOWER PACK:** | 10-20 Silica Sand | 13.1 | to | 47.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/30/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |

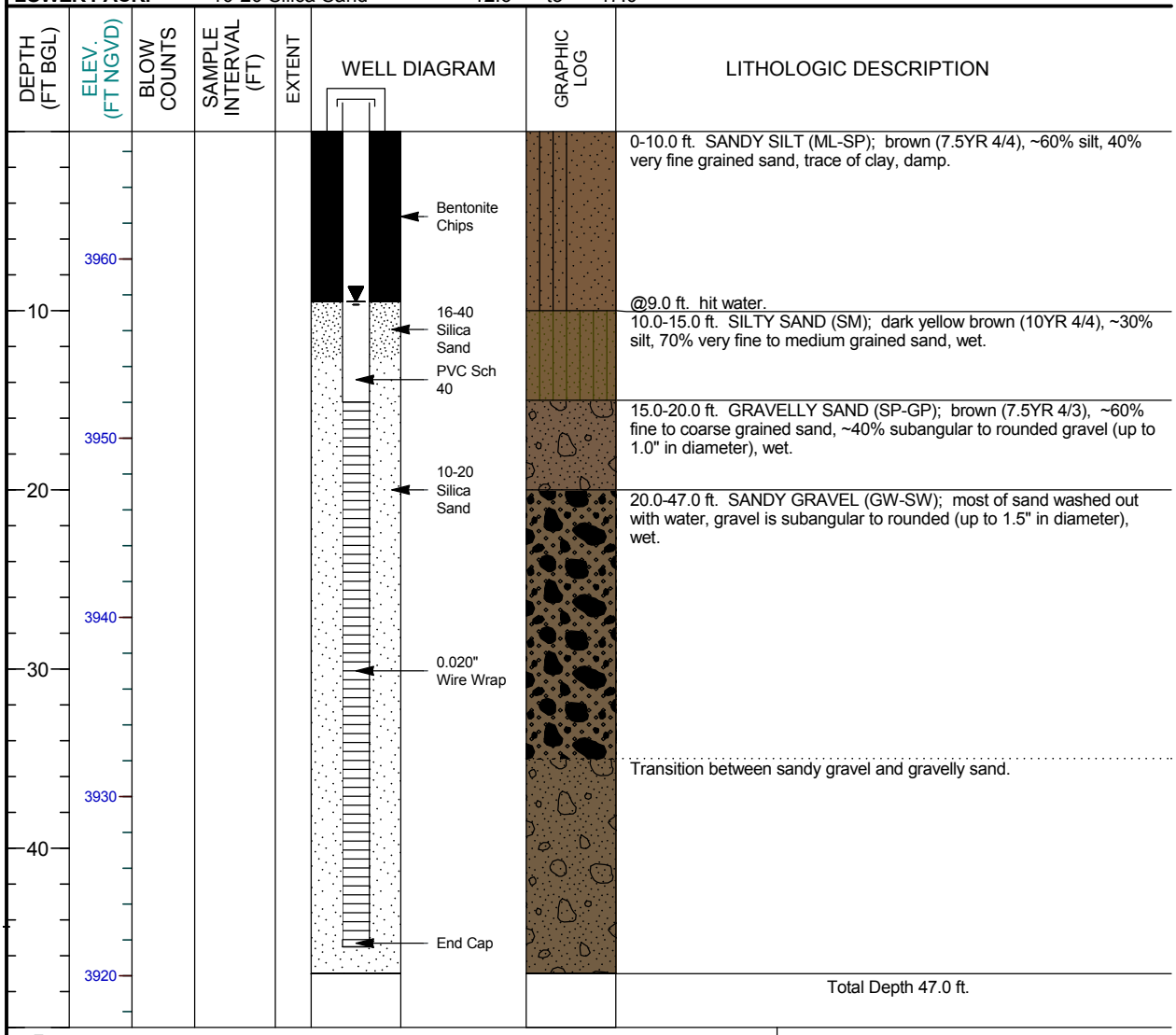


# MONITORING WELL COMPLETION LOG MOA01-0674

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0674 | **DATE DRILLED** | 06/29/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663991.15 | **SURFACE ELEV. ( FT NGVD)** | 3967.11 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186167.51 | **TOP OF CASING (FT)** | 3969.49 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.49 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 45.50 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 9.5 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.38 | to | 15.1 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.1 | to | 45.1 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.1 | to | 45.5 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.5 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.5 | to | 12.6 |
| **LOWER PACK:** | 10-20 Silica Sand | 12.6 | to | 47.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/30/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |

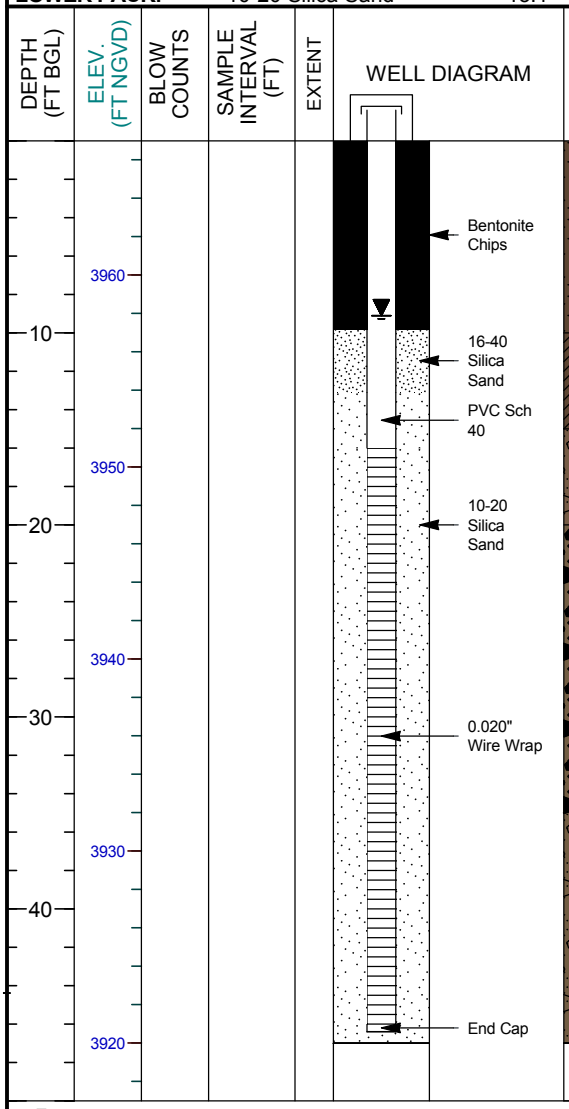


# MONITORING WELL COMPLETION LOG MOA01-0675

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0675 | **DATE DRILLED** | 06/29/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664020.51 | **SURFACE ELEV. ( FT NGVD)** | 3966.99 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186176.56 | **TOP OF CASING (FT)** | 3969.64 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.64 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 46.40 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 9.1 | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.65 | to | 16.0 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 16.0 | to | 46.0 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 46.0 | to | 46.4 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.8 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.8 | to | 13.1 |
| **LOWER PACK:** | 10-20 Silica Sand | 13.1 | to | 47.0 |

**WATER LEVEL DATE** 06/30/2005
**DRILLER** Lamon, A.
**LOGGED BY** Pill, K.
**SAMPLING METHOD** Airlift/Cyclone
**DATE DEVELOPED**
**REMARKS**




LITHOLOGIC DESCRIPTION

0-10.0 ft. SANDY SILT (ML-SP); dark brown (7.5YR 3/3), ~60% silt, 40% very fine grained sand, trace of clay, damp.

@9.0 ft. hit water.

10.0-15.0 ft. CLAYEY SILT (CL-SM); dark brown (7YR 3/3), ~60% silt, ~10% very fine grained sand, 30% clay, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (7.5YR 4/3), ~40% subangular to rounded gravel (up to 1.0" in diameter), 60% fine to coarse grained sand, wet.

20.0-47.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 2.0" in diameter), wet. Sand is medium to coarse grained.

Transition between sandy gravel and gravelly sand.

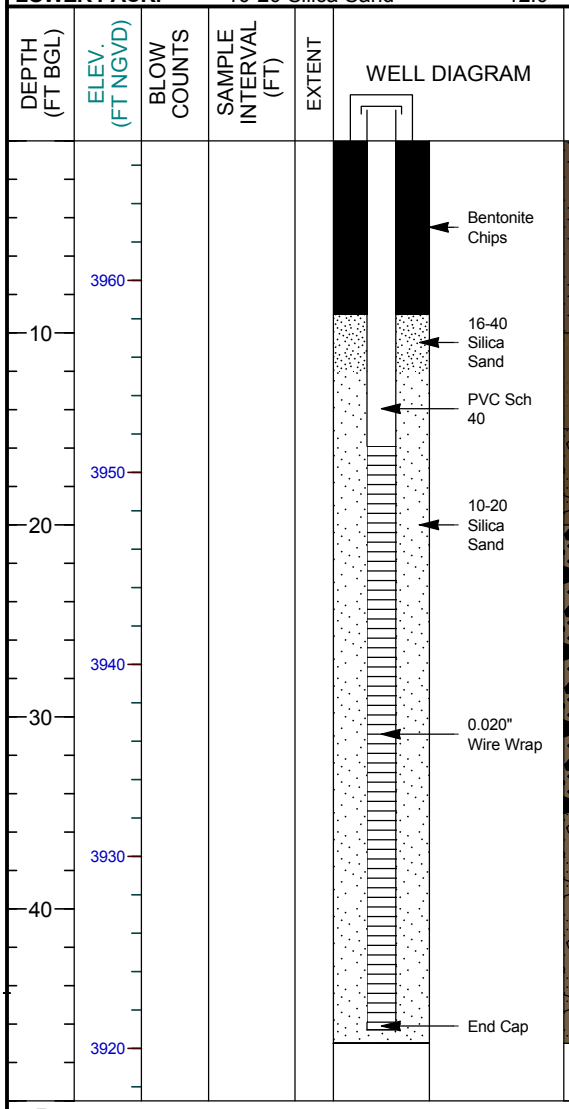
Total Depth 47.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0676

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0676 | **DATE DRILLED** | 06/29/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664050.78 | **SURFACE ELEV. ( FT NGVD)** | 3967.27 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186188.85 | **TOP OF CASING (FT)** | 3969.69 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.69 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 46.30 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | | **BIT SIZE(S) (IN)** | 10.75 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.42 | to | 15.9 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.9 | to | 45.9 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.9 | to | 46.3 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.0 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.0 | to | 12.0 |
| **LOWER PACK:** | 10-20 Silica Sand | 12.0 | to | 47.0 |

**WATER LEVEL DATE**
**DRILLER** Lamon, A.
**LOGGED BY** Pill, K.
**SAMPLING METHOD** Airlift/Cyclone
**DATE DEVELOPED**
**REMARKS**




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); dark brown (7.5YR 3/3), ~60% silt, 40% very fine grained sand, trace of clay, damp.

@9.0 ft. hit water.

10.0-15.0 ft. SILTY SAND (SM); dark yellow brown (10YR 3/4), ~40% silt, ~50% very fine to fine grained sand, 10% clay, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); dark yellow brown (10YR 3/4), ~35% subangular to rounded gravel (up to 1.0" in diameter), 60% fine to coarse grained sand, wet.

20.0-47.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 2.0" in diameter), wet.

Transition between sandy gravel and gravelly sand.

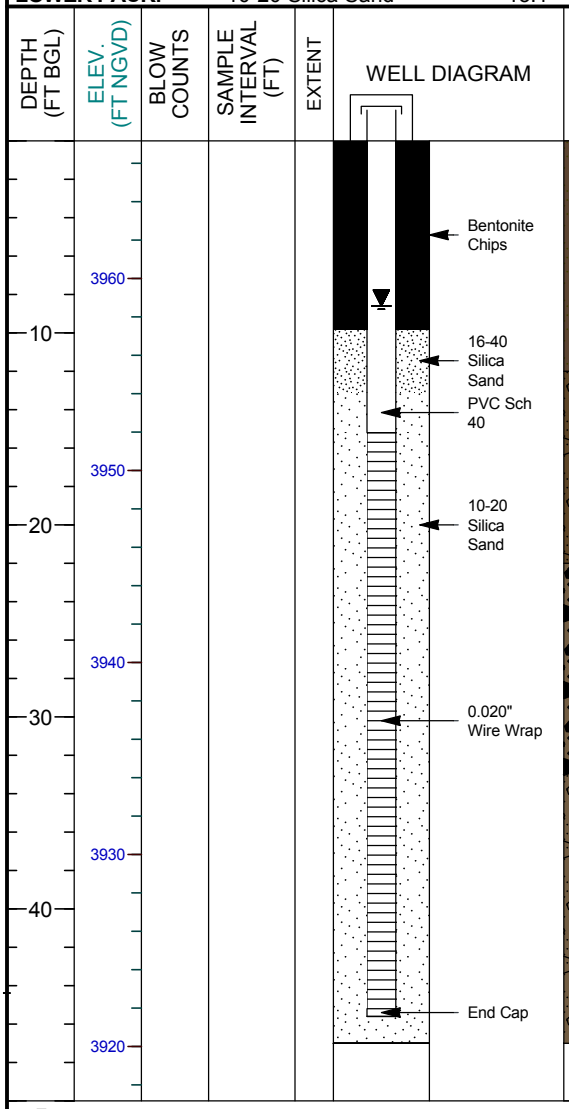
Total Depth 47.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0677

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0677 | **DATE DRILLED** | 06/24/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664078.97 | **SURFACE ELEV. ( FT NGVD)** | 3967.17 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186198.08 | **TOP OF CASING (FT)** | 3969.61 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 47.00 | **MEAS. PT. ELEV. (FT)** | 3969.61 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 45.60 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 8.6 | **BIT SIZE(S) (IN)** | 10.87 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.44 | to | 15.2 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.2 | to | 45.2 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.2 | to | 45.6 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.8 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.8 | to | 13.1 |
| **LOWER PACK:** | 10-20 Silica Sand | 13.1 | to | 47.0 |

**WATER LEVEL DATE** 06/25/2005
**DRILLER** Lamon, A.
**LOGGED BY** Pill, K.
**SAMPLING METHOD** Airlift/Cyclone
**DATE DEVELOPED**
**REMARKS**




**LITHOLOGIC DESCRIPTION**

0-12.0 ft. SILTY SAND (SM); loose, moist ~80% sand, matix is brown, wet.

12.0-22.0 ft. GRAVELLY SAND (SP-GP); dark yellow brown (10YR 3/4), loose, saturated, ~70% sand.

22.0-33.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 2.0" in diameter), wet. ~30% sand and 70% gravel.

Transition between sandy gravel and gravelly sand.

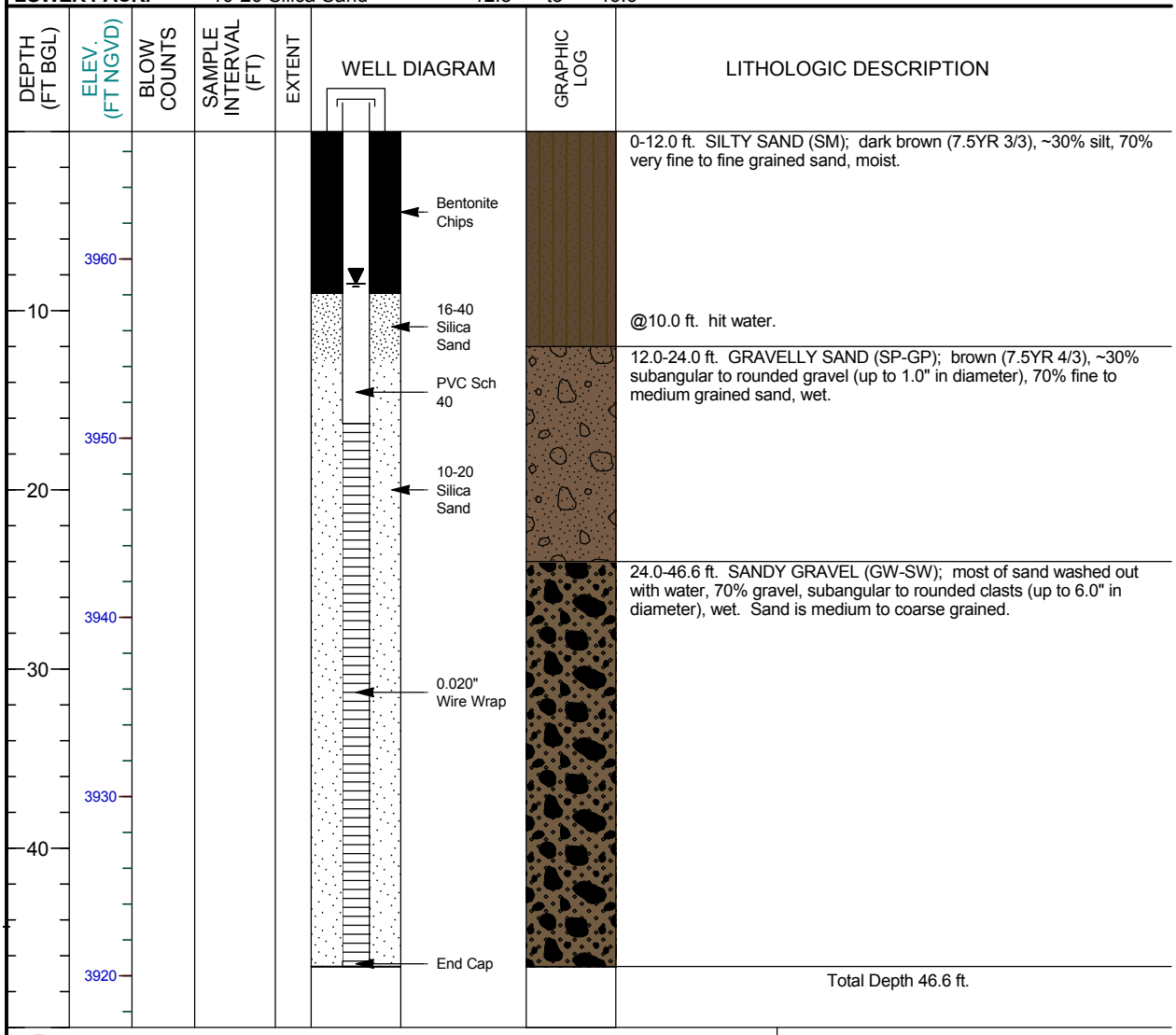
Total Depth 47.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0678

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0678 | **DATE DRILLED** | 06/23/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664107.77 | **SURFACE ELEV. ( FT NGVD)** | 3967.11 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186209.93 | **TOP OF CASING (FT)** | 3969.65 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 46.60 | **MEAS. PT. ELEV. (FT)** | 3969.65 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 46.60 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 8.5 | **BIT SIZE(S) (IN)** | 10.87 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.54 | to | 16.3 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 16.3 | to | 46.3 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 46.3 | to | 46.6 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.0 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.0 | to | 12.8 |
| **LOWER PACK:** | 10-20 Silica Sand | 12.8 | to | 46.6 |

**WATER LEVEL DATE** 06/25/2005
**DRILLER** Lamon, A.
**LOGGED BY** Pill, K.
**SAMPLING METHOD** Airlift/Cyclone
**DATE DEVELOPED**
**REMARKS**

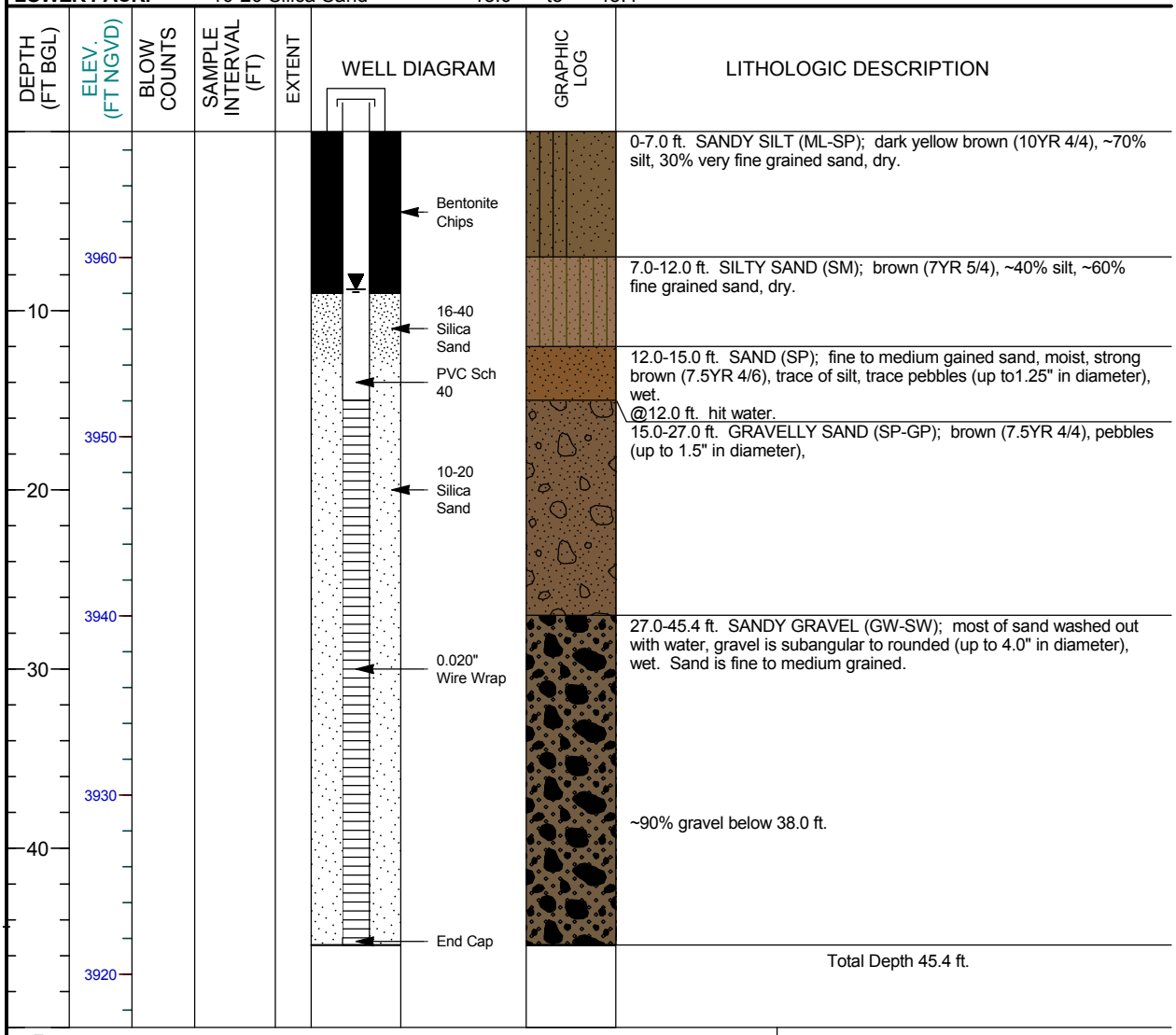


# MONITORING WELL COMPLETION LOG MOA01-0679

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0679 | **DATE DRILLED** | 06/21/2005 to 06/23/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664136.53 | **SURFACE ELEV. ( FT NGVD)** | 3967.03 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186218.80 | **TOP OF CASING (FT)** | 3969.59 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 45.40 | **MEAS. PT. ELEV. (FT)** | 3969.59 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 45.40 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 8.8 | **BIT SIZE(S) (IN)** | 10.87 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.56 | to | 15.0 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 15.0 | to | 45.0 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 45.0 | to | 45.4 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 9.0 |
| **UPPER PACK:** | 16-40 Silica Sand | 9.0 | to | 13.0 |
| **LOWER PACK:** | 10-20 Silica Sand | 13.0 | to | 45.4 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/25/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |

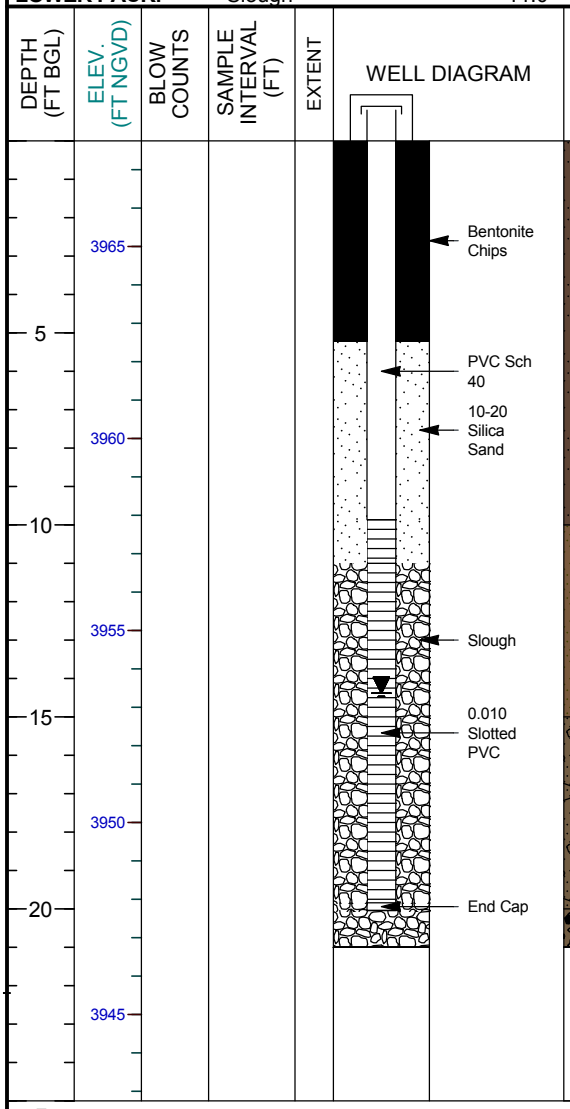


# MONITORING WELL COMPLETION LOG MOA01-0680

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0680 | **DATE DRILLED** | 08/16/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663916.20 | **SURFACE ELEV. ( FT NGVD)** | 3967.75 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186125.62 | **TOP OF CASING (FT)** | 3969.80 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 21.00 | **MEAS. PT. ELEV. (FT)** | 3969.80 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 20.04 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 16.43 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -2.05 | to | 9.87 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 9.87 | to | 19.84 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 19.84 | to | 20.04 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 5.2 |
| **UPPER PACK:** | 10-20 Silica Sand | 5.2 | to | 11.0 |
| **LOWER PACK:** | Slough | 11.0 | to | 21.0 |

**WATER LEVEL DATE** 08/23/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/23/2005
**REMARKS** Lithology description from well location # MOA01-0671.




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); dark reddish brown (5YR 3/3), ~60% silt, 40% very fine to medium grained sand, trace of clay, damp.

@8.0 ft. hit water.

10.0-15.0 ft. SILTY SAND (SM); brown (7.5YR 4/4), ~40% silt, 60% very fine to medium grained sand, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (10YR 4/3), ~30% subangular to rounded gravel (up to 3.0" in diameter), medium to coarse grained sand, wet. Lost fines in water.

20.0-21.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 3.0" in diameter), wet. ~30% gravel and 40% sand.

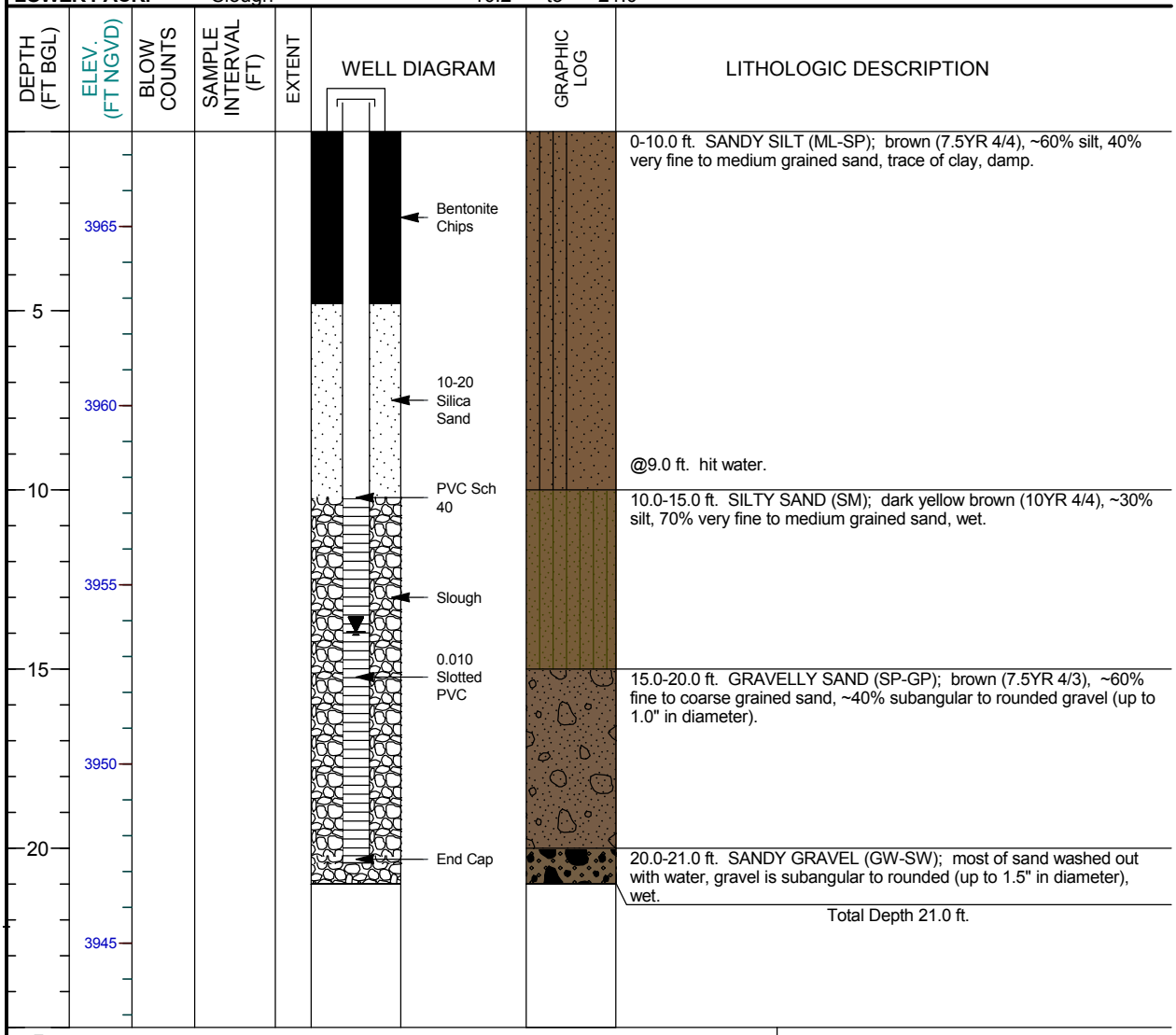
Total Depth 21.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0681

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0681 | **DATE DRILLED** | 08/16/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663951.49 | **SURFACE ELEV. ( FT NGVD)** | 3967.65 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186177.22 | **TOP OF CASING (FT)** | 3970.67 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 21.00 | **MEAS. PT. ELEV. (FT)** | 3970.67 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 20.41 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 16.99 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -3.02 | to | 10.24 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 10.24 | to | 20.21 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 20.21 | to | 20.41 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 4.8 |
| **UPPER PACK:** | 10-20 Silica Sand | 4.8 | to | 10.2 |
| **LOWER PACK:** | Slough | 10.2 | to | 21.0 |

**WATER LEVEL DATE** 08/22/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/22/2005
**REMARKS** Lithology description from well location # MOA01-0673.




Stoller

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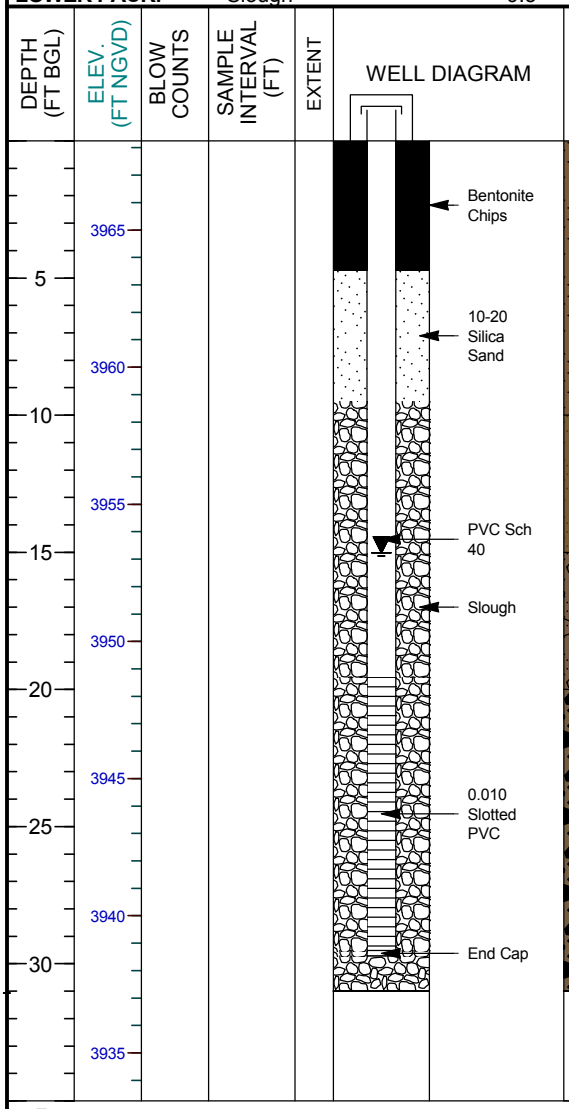
GRAND JUNCTION, COLORADO

# MONITORING WELL COMPLETION LOG MOA01-0682

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0682 | **DATE DRILLED** | 08/09/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6663986.66 | **SURFACE ELEV. ( FT NGVD)** | 3968.25 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186137.20 | **TOP OF CASING (FT)** | 3970.18 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 31.00 | **MEAS. PT. ELEV. (FT)** | 3970.18 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 29.72 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 16.94 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.93 | to | 19.55 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 19.55 | to | 29.52 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 29.52 | to | 29.72 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 4.7 |
| **UPPER PACK:** | 10-20 Silica Sand | 4.7 | to | 9.5 |
| **LOWER PACK:** | Slough | 9.5 | to | 31.0 |

**WATER LEVEL DATE** 08/23/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/23/2005
**REMARKS** Lithology description from well location # MOA01-0674.




**LITHOLOGIC DESCRIPTION**

0-10.0 ft. SANDY SILT (ML-SP); brown (7.5YR 4/4), ~60% silt, 40% very fine grained sand, trace of clay, damp.

@9.0 ft. hit water.

10.0-15.0 ft. SILTY SAND (SM); dark yellow brown (10YR 4/4), ~30% silt, 70% very fine to medium grained sand, wet.

15.0-20.0 ft. GRAVELLY SAND (SP-GP); brown (7.5YR 4/3), ~60% fine to coarse grained sand, ~40% subangular to rounded gravel (up to 1.0" in diameter), wet.

20.0-31.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 1.5" in diameter), wet.

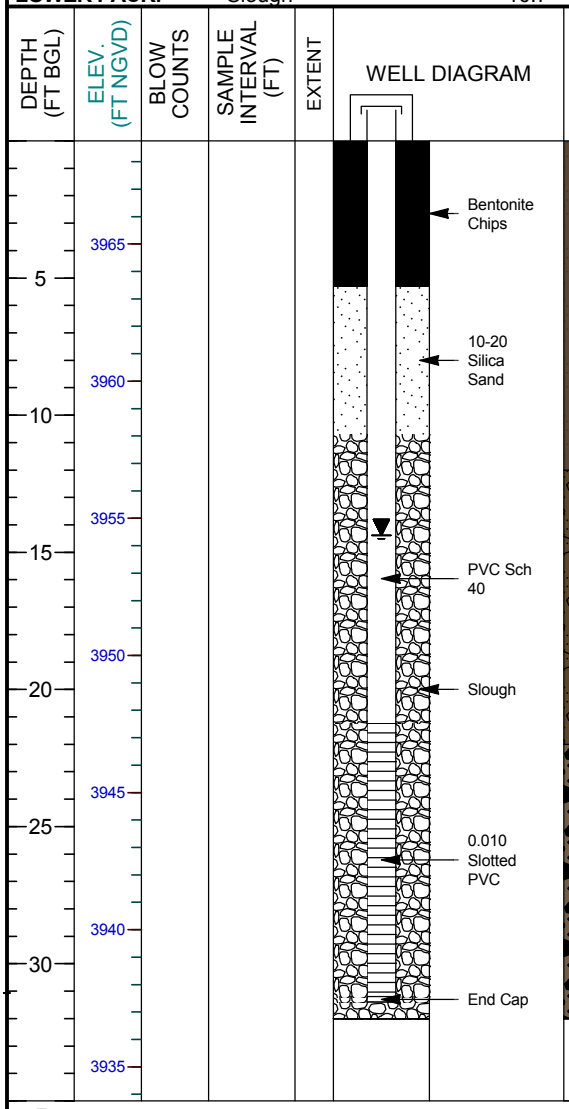
Total Depth 31.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0683

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0683 | **DATE DRILLED** | 08/10/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664077.81 | **SURFACE ELEV. ( FT NGVD)** | 3968.76 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186172.57 | **TOP OF CASING (FT)** | 3970.73 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 32.00 | **MEAS. PT. ELEV. (FT)** | 3970.73 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 31.40 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 16.35 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.97 | to | 21.23 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 21.23 | to | 31.2 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 31.2 | to | 31.4 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 5.3 |
| **UPPER PACK:** | 10-20 Silica Sand | 5.3 | to | 10.7 |
| **LOWER PACK:** | Slough | 10.7 | to | 32.0 |

**WATER LEVEL DATE** 08/16/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/16/2005
**REMARKS** Lithology description from well location # MOA01-0677.




**LITHOLOGIC DESCRIPTION**

0-12.0 ft. SILTY SAND (SM); loose, moist ~80% sand, matix is brown, wet.

12.0-22.0 ft. GRAVELLY SAND (SP-GP); dark yellow brown (10YR 3/4), loose, saturated, ~70% sand.

22.0-32.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, gravel is subangular to rounded (up to 2.0" in diameter), wet. ~30% sand and 70% gravel.

Total Depth 32.0 ft.

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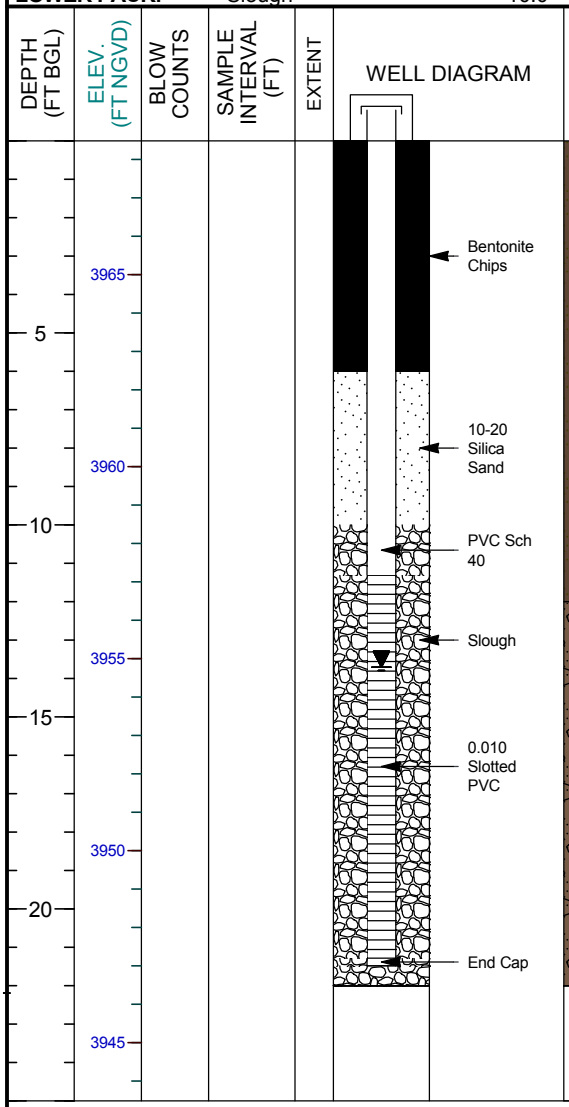
GRAND JUNCTION, COLORADO

# MONITORING WELL COMPLETION LOG MOA01-0684

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0684 | **DATE DRILLED** | 08/03/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664124.97 | **SURFACE ELEV. ( FT NGVD)** | 3968.48 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186191.75 | **TOP OF CASING (FT)** | 3970.22 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 22.00 | **MEAS. PT. ELEV. (FT)** | 3970.22 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 21.48 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 15.45 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | WELL INSTALLATION | INTERVAL (FT) | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.74 | to | 11.31 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 11.31 | to | 21.28 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 21.28 | to | 21.48 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 6.0 |
| **UPPER PACK:** | 10-20 Silica Sand | 6.0 | to | 10.0 |
| **LOWER PACK:** | Slough | 10.0 | to | 22.0 |

**WATER LEVEL DATE** 08/03/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/03/2005
**REMARKS** Lithology description from well location # MOA01-0678.




LITHOLOGIC DESCRIPTION

0-12.0 ft. SILTY SAND (SM); dark brown (7.5YR 3/3), ~30% silt, 70% very fine to fine grained sand, moist.

@10.0 ft. hit water.

12.0-22.0 ft. GRAVELLY SAND (SP-GP); brown (7.5YR 4/3), ~30% subangular to rounded gravel (up to 1.0" in diameter), 70% fine to medium grained sand, wet.

Total Depth 22.0 ft.

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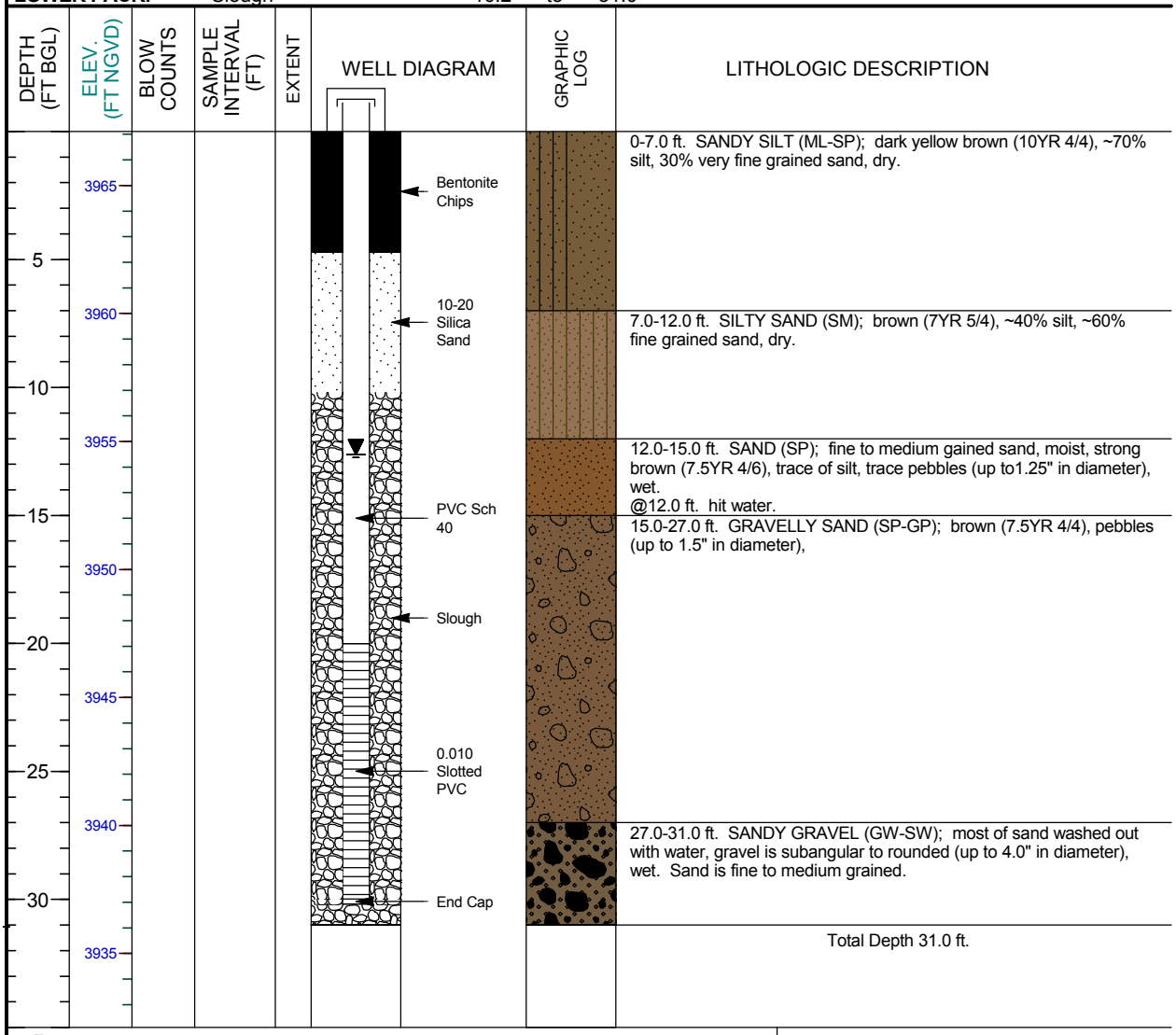
GRAND JUNCTION, COLORADO

# MONITORING WELL COMPLETION LOG MOA01-0685

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0685 | **DATE DRILLED** | 08/02/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664165.70 | **SURFACE ELEV. ( FT NGVD)** | 3967.11 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186229.87 | **TOP OF CASING (FT)** | 3968.76 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 31.00 | **MEAS. PT. ELEV. (FT)** | 3968.76 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 30.18 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 14.27 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.65 | to | 20.01 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 20.01 | to | 29.98 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 29.98 | to | 30.18 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 4.7 |
| **UPPER PACK:** | 10-20 Silica Sand | 4.7 | to | 10.2 |
| **LOWER PACK:** | Slough | 10.2 | to | 31.0 |

**WATER LEVEL DATE** 08/02/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/02/2005
**REMARKS** Lithology description from well location # MOA01-0679.

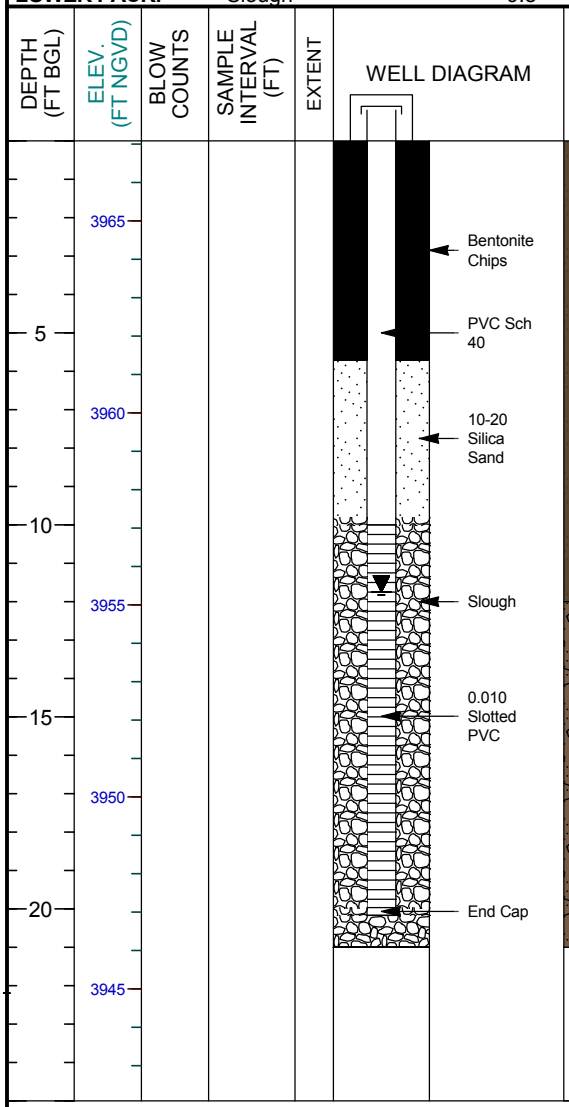


# MONITORING WELL COMPLETION LOG MOA01-0686

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0686 | **DATE DRILLED** | 08/17/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664097.02 | **SURFACE ELEV. ( FT NGVD)** | 3967.08 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186221.77 | **TOP OF CASING (FT)** | 3968.85 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 21.00 | **MEAS. PT. ELEV. (FT)** | 3968.85 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 20.17 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 13.51 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| **WELL INSTALLATION** | | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -1.77 | to | 10.0 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 10.0 | to | 19.97 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 19.97 | to | 20.17 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 5.7 |
| **UPPER PACK:** | 10-20 Silica Sand | 5.7 | to | 9.8 |
| **LOWER PACK:** | Slough | 9.8 | to | 21.0 |

**WATER LEVEL DATE** 08/17/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/17/2005
**REMARKS** Lithology description from well location # MOA01-0678.




**LITHOLOGIC DESCRIPTION**

0-12.0 ft. SILTY SAND (SM); dark brown (7.5YR 3/3), ~30% silt, 70% very fine to fine grained sand, moist.

@10.0 ft. hit water.

12.0-21.0 ft. GRAVELLY SAND (SP-GP); brown (7.5YR 4/3), ~30% subangular to rounded gravel (up to 1.0" in diameter), 70% fine to medium grained sand, wet.

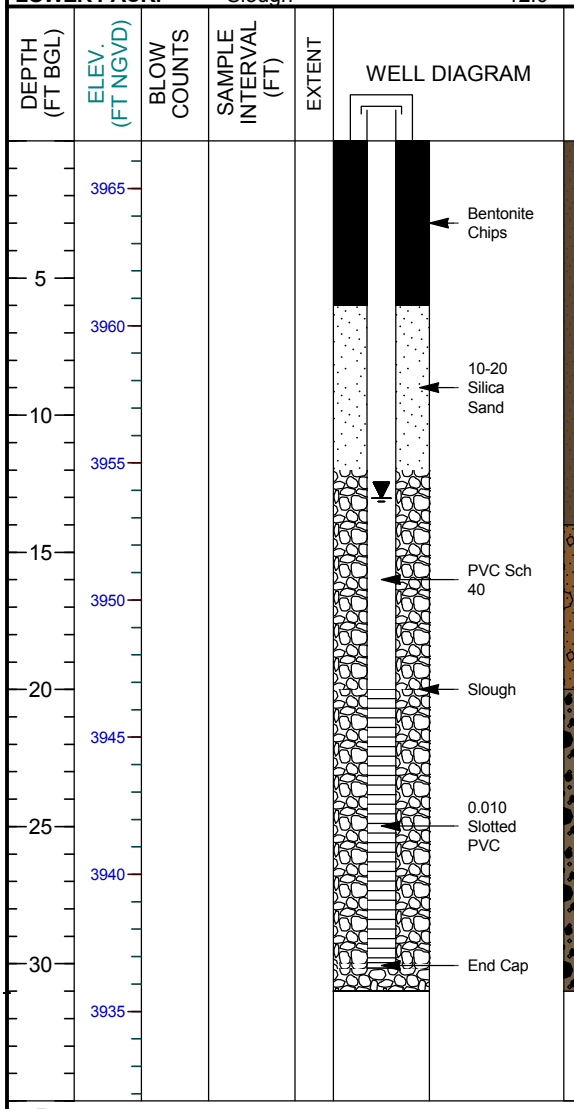
Total Depth 21.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0687

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0687 | **DATE DRILLED** | 08/17/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664011.02 | **SURFACE ELEV. ( FT NGVD)** | 3966.74 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186192.65 | **TOP OF CASING (FT)** | 3969.09 |
| **DRILLING METHOD** | GEOPROBE | **HOLE DEPTH (FT)** | 31.00 | **MEAS. PT. ELEV. (FT)** | 3969.09 |
| **DRILL COMPANY** | S.M. Stoller | **WELL DEPTH (FT)** | 30.16 | **SLOT SIZE (IN)** | 0.010 |
| **RIG TYPE** | GEOPROBE | **WATER LEVEL (FT BTOC)** | 15.38 | **BIT SIZE(S) (IN)** | 2.0 / 2.13 |

| | WELL INSTALLATION | INTERVAL (FT) | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 1 in. PVC Sch 40 | -2.35 | to | 19.99 |
| **WELL SCREEN:** | 1 in. 0.01 Slotted PVC | 19.99 | to | 29.96 |
| **SUMP/END CAP:** | 1 in. PVC Sch 40 | 29.96 | to | 30.16 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | | | | |
| **SEAL:** | Bentonite Chips | 0.0 | to | 6.0 |
| **UPPER PACK:** | 10-20 Silica Sand | 6.0 | to | 12.0 |
| **LOWER PACK:** | Slough | 12.0 | to | 31.0 |

**WATER LEVEL DATE** 08/22/2005
**DRILLER** Trevino, Joe
**LOGGED BY** Hopping, B.
**SAMPLING METHOD** CORE BARREL
**DATE DEVELOPED** 08/22/2005
**REMARKS** Lithology description from well location # MOA01-0688.




**LITHOLOGIC DESCRIPTION**

7.0-12.0 ft. SILTY SAND (SM); brown (7YR 3/3), ~20% silt, ~80% fine grained sand, trace of clay, dry.

@9.0 ft. hit water.

15.0-27.0 ft. GRAVELLY SAND (SP-GP); strong brown (7.5YR 4/6), 60% medium to coarse grained sand, 40% subangular to rounded gravel (up to 1.0" in diameter),

27.0-31.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, 60% gravel is subangular to rounded, wet, 40% sand, fine to medium grained.

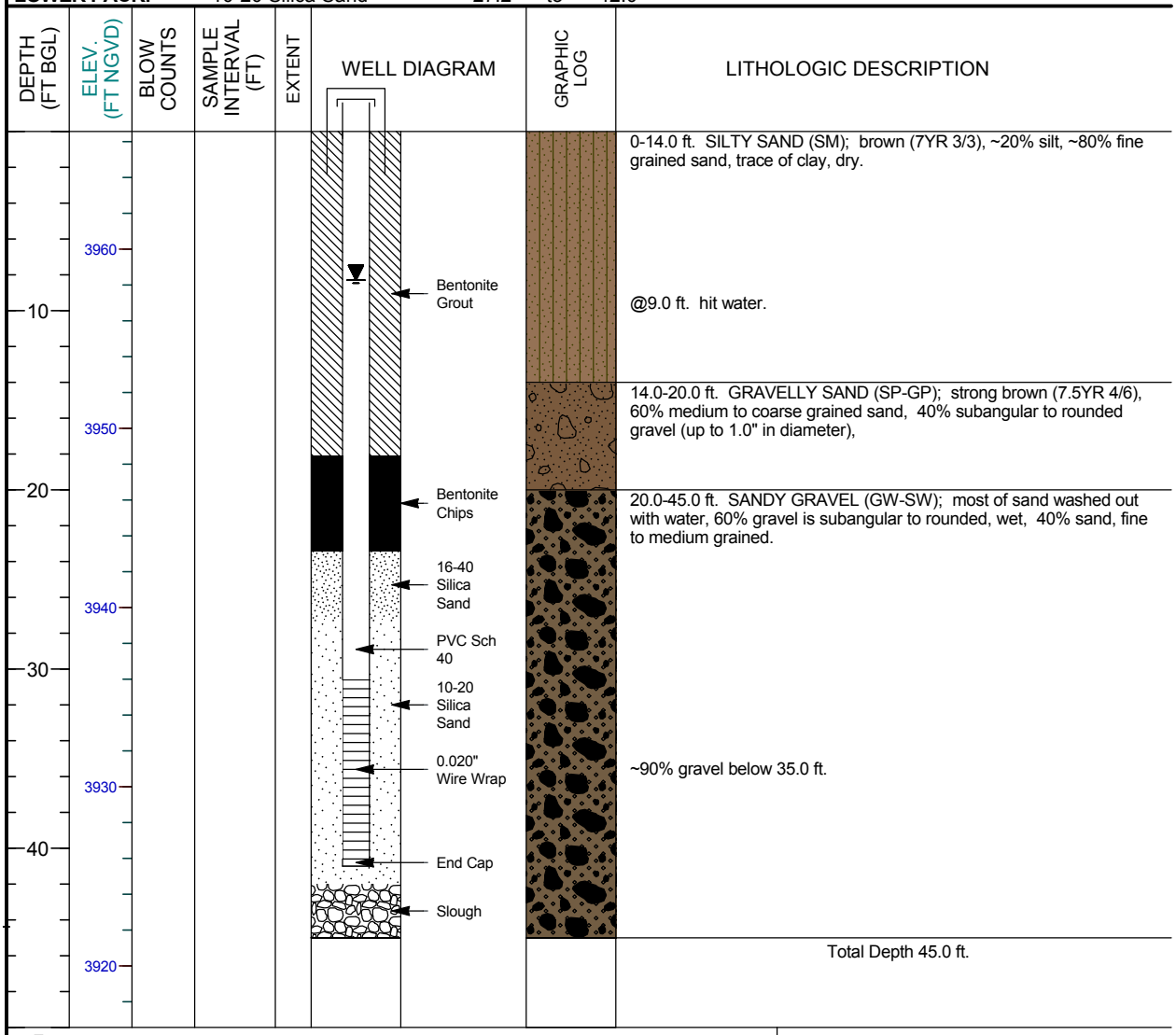
Total Depth 31.0 ft.

# MONITORING WELL COMPLETION LOG MOA01-0688

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0688 | **DATE DRILLED** | 06/25/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664007.19 | **SURFACE ELEV. ( FT NGVD)** | 3966.57 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186189.94 | **TOP OF CASING (FT)** | 3968.66 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 45.00 | **MEAS. PT. ELEV. (FT)** | 3968.66 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 41.00 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 8.3 | **BIT SIZE(S) (IN)** | 10.87 / |

| **WELL INSTALLATION** | | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.09 | to | 30.6 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 30.6 | to | 40.6 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 40.6 | to | 41.0 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | Bentonite Grout | 0.0 | to | 18.1 |
| **SEAL:** | Bentonite Chips | 18.1 | to | 23.4 |
| **UPPER PACK:** | 16-40 Silica Sand | 23.4 | to | 27.2 |
| **LOWER PACK:** | 10-20 Silica Sand | 27.2 | to | 42.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/28/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |

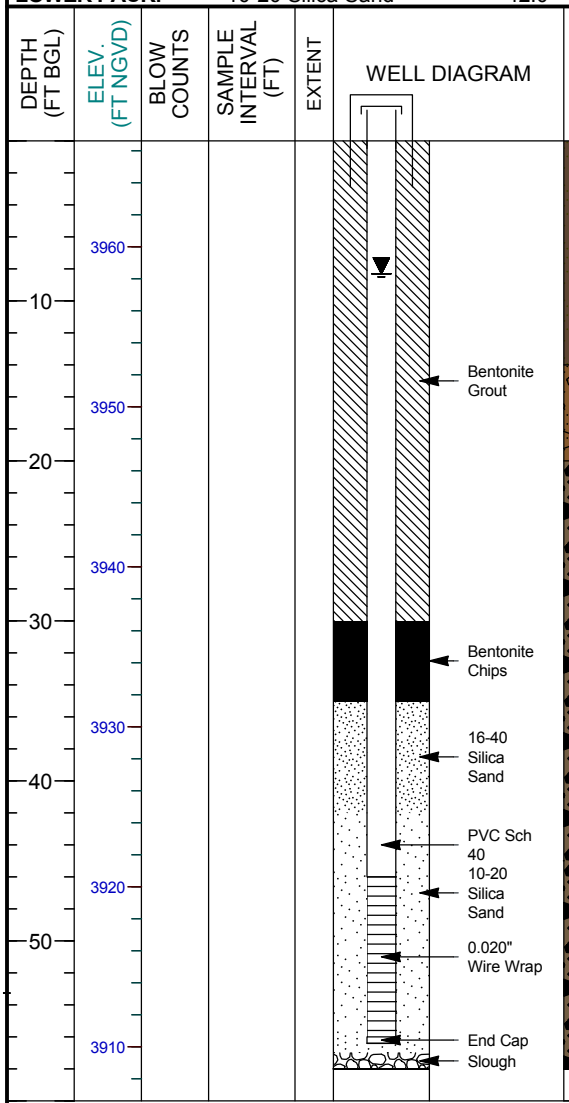


# MONITORING WELL COMPLETION LOG MOA01-0689

| | | | | | |
|---|---|---|---|---|---|
| **PROJECT** | MOAB | **WELL NUMBER** | MOA01-0689 | **DATE DRILLED** | 06/27/2005 |
| **LOCATION** | Moab, UT | **NORTH COORD. (FT)** | 6664014.43 | **SURFACE ELEV. ( FT NGVD)** | 3966.62 |
| **SITE** | Moab Site | **EAST COORD. (FT)** | 2186193.26 | **TOP OF CASING (FT)** | 3968.66 |
| **DRILLING METHOD** | ARCH | **HOLE DEPTH (FT)** | 58.00 | **MEAS. PT. ELEV. (FT)** | 3968.66 |
| **DRILL COMPANY** | WDC | **WELL DEPTH (FT)** | 56.40 | **SLOT SIZE (IN)** | 0.020 |
| **RIG TYPE** | Star 30K | **WATER LEVEL (FT BGS)** | 8.3 | **BIT SIZE(S) (IN)** | 10.87 / |

| | **WELL INSTALLATION** | **INTERVAL (FT)** | | |
|---|---|---|---|---|
| **SURFACE CASING:** | | | | |
| **BLANK CASING:** | 6 in. PVC Sch 40 | -2.04 | to | 46.0 |
| **WELL SCREEN:** | 6 in. 0.020 Wire Wrap | 46.0 | to | 56.0 |
| **SUMP/END CAP:** | 6 in. PVC Sch 40 | 56.0 | to | 56.4 |
| **SURFACE SEAL:** | | | | |
| **GROUT:** | Bentonite | 0.0 | to | 30.0 |
| **SEAL:** | Bentonite Chips | 30.0 | to | 38.0 |
| **UPPER PACK:** | 16-40 Silica Sand | 38.0 | to | 42.0 |
| **LOWER PACK:** | 10-20 Silica Sand | 42.0 | to | 57.0 |

| | |
|---|---|
| **WATER LEVEL DATE** | 06/28/2005 |
| **DRILLER** | Lamon, A. |
| **LOGGED BY** | Pill, K. |
| **SAMPLING METHOD** | Airlift/Cyclone |
| **DATE DEVELOPED** | |
| **REMARKS** | |




**LITHOLOGIC DESCRIPTION**

0-14.0 ft. SILTY SAND (SM); brown (7YR 3/3), ~20% silt, ~80% fine grained sand, trace of clay, dry.

@9.0 ft. hit water.

14.0-20.0 ft. GRAVELLY SAND (SP-GP); strong brown (7.5YR 4/6), 60% medium to coarse grained sand, 40% subangular to rounded gravel (up to 1.0" in diameter),

20.0-45.0 ft. SANDY GRAVEL (GW-SW); most of sand washed out with water, 60% gravel is subangular to rounded, wet, 40% sand, fine to medium grained.

~90% gravel below 35.0 ft.

45.0-58.0 ft. SANDY GRAVEL (GW-SW); ~60% subangular to subrounded gravel, ~40% medium to coarse grained sand. Most sand wash washed away with water.

Total Depth 58.0 ft.

Stoller

**U.S. DEPARTMENT OF ENERGY**
GRAND JUNCTION, COLORADO

# Appendix B

# Configurations 1 and 3 Pumping Rate and Water Elevation Plots

# Appendix B−1

# Configuration 1 Extraction Well Pumping Data

| | | Well 470 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/04 | 9:18 | 19.31 | 4.14 | 334,039 | 1,707,548 | 45 | 12.43 | 31.94 | 6.58 | System Shut Down for Winter | 3949.18 |
| 12/27/04 | 1:27 | 16.65 | | | | | | | | | 3951.84 |
| 1/25/05 | 15:30 | 16.13 | | | | | | | | baseline samples collected | 3952.36 |
| 2/14/05 | | | | 334,437 | 1,707,946 | | | | | Change batteries | no data |
| 2/15/05 | 9:34 | 16.15 | 1.53 | | | 22 | | | | Spring 2005 startup | 3952.34 |
| 2/17/05 | 11:01 | 17.36 | | 1,313 | 1,709,259 | 24 | 15.06 | 25.06 | 6.65 | Adjusted flow rate to 1.2 gpm/Flow rate less than threshold | 3951.13 |
| 2/21/05 | 15:01 | 17.43 | 1.46 | 5,433 | 1,713,379 | 27 | 15.16 | 28.21 | 6.57 | | 3951.06 |
| 2/24/05 | 10:25 | 17.3 | | 7,448 | 1,715,394 | 31 | 14.68 | 29.64 | 6.69 | Flow rate below threshold | 3951.19 |
| 2/28/05 | 11:30 | 17.41 | 2.56 | 7,459 | 1,715,405 | 40 | 15.06 | 31.31 | 6.69 | New flow rate of 3.82 | 3951.08 |
| 3/3/05 | 9:59 | 18.36 | 3.82 | 23,550 | 1,731,496 | 40 | 14.44 | 32.19 | 6.57 | | 3950.13 |
| 3/7/05 | 11:30 | 18.53 | 3.82 | 45,408 | 1,753,354 | 40 | | | | | 3949.96 |
| 3/10/05 | 9:45 | 18.59 | 3.82 | 61,367 | 1,769,313 | 40 | 14.84 | 36.57 | 6.07 | | 3949.9 |
| 3/14/05 | 8:25 | 18.31 | 3.75 | 82,448 | 1,790,394 | 42 | | | | | 3950.18 |
| 3/17/05 | 9:20 | 18.19 | 3.82 | 98,902 | 1,806,848 | 42 | 14.44 | 40.1 | 6.67 | | 3950.3 |
| 3/21/05 | 8:45 | 18.09 | 3.82 | 120,690 | 1,828,636 | 42 | | | | | 3950.4 |
| 3/24/05 | 9:55 | 18.69 | 4.52 | 138,639 | 1,846,585 | 42 | 14.85 | 39.3 | 6.52 | | 3949.8 |
| 3/28/05 | 9:30 | 18.47 | 4.46 | 164,581 | 1,872,527 | 42 | | | | | 3950.02 |
| 3/31/05 | 9:45 | 18.55 | 4.59 | 184,567 | 1,892,513 | 42 | 14.77 | 38.14 | 6.89 | | 3949.94 |
| 4/4/05 | 9:30 | 18.3 | 4.52 | 210,144 | 1,918,090 | 44 | | | | | 3950.19 |
| 4/7/05 | 9:25 | 18.13 | 4.33 | 229,246 | 1,937,192 | 45 | 14.79 | 34.76 | 6.94 | | 3950.36 |
| 4/11/05 | 9:20 | 17.11 | 4.46 | 254,552 | 1,962,498 | 44 | | | | | 3951.38 |
| 4/14/05 | 3:10 | 17.1 | 4.26 | 273,677 | 1,981,623 | 48 | 16.23 | 32.13 | 6.91 | | 3951.39 |
| 4/18/05 | 9:20 | 15.84 | 4.46 | 297,229 | 2,005,175 | 48 | | | | | 3952.65 |
| 4/28/05 | 8:25 | | | | | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/05 | 10:15 | 9.85 | 4.33 | 318,726 | 2,026,672 | 40 | 12.52 | | 7.36 | | 3954.27 |
| 5/2/05 | 2:15 | 9.22 | 3.63 | 311,452 | 2,019,398 | 48 | | | | | 3954.9 |
| 5/5/05 | 9:36 | 10.33 | 3.12 | 325,214 | 2,033,160 | 39 | 15.2 | 15.51 | 7.21 | | 3953.79 |
| 5/9/05 | 8:45 | 10.22 | 4.09 | 347,955 | 2,055,901 | 46 | | | | | 3953.9 |
| 5/12/05 | 9:05 | 9.71 | 4.2 | 365,546 | 2,073,492 | 48 | 14.55 | 13.47 | 7.07 | | 3954.41 |
| 5/16/05 | 9:36 | 9.52 | 4.2 | 389,591 | 2,097,537 | 46 | | | | | 3954.6 |
| 5/19/05 | 9:45 | 8.61 | 4.07 | 407,332 | 2,115,278 | 48 | 14.51 | 8.074 | 7.16 | | 3955.51 |
| 5/23/05 | 9:30 | 5.62 | 3.82 | 414,866 | 2,122,812 | 48 | | | | | 3958.5 |
| 5/26/05 | 11:06 | 4.04 | 3.82 | 431,521 | 2,139,467 | 40 | 13.18 | 28.55 | 7.28 | | 3960.08 |
| 5/31/05 | 9:05 | 5.25 | 3.75 | 437,876 | 2,145,822 | 48 | | | | | 3958.87 |
| 6/2/05 | 9:05 | 6.2 | 3.69 | 448,849 | 2,156,795 | 48 | 13.72 | 37.3 | 7.24 | | 3957.92 |
| 6/6/05 | 9:00 | 6.95 | 3.69 | 469,876 | 2,177,822 | 48 | | | | | 3957.17 |
| 6/9/05 | 9:20 | 7.61 | 3.69 | 485,877 | 2,193,823 | 48 | 14.16 | 4.495 | 7.34 | | 3956.51 |
| 6/13/05 | 8:45 | 7.91 | 3.69 | 506,912 | 2,214,858 | 48 | | | | | 3956.21 |
| 6/16/05 | 9:05 | 8.25 | 3.69 | 522,865 | 2,230,811 | 48 | 14.54 | 4.875 | 7.27 | | 3955.87 |
| 6/20/05 | 9:20 | 7.86 | 3.75 | 544,552 | 2,252,498 | 48 | | | | | 3956.26 |
| 6/23/05 | 10:00 | 7.43 | 3.75 | 560,803 | 2,268,749 | 48 | 14.54 | 3.882 | 7.24 | | 3956.69 |
| 6/27/05 | 9:53 | 7.48 | 3.69 | 582,012 | 2,289,958 | 46 | | | | | 3956.64 |
| 6/30/05 | 9:10 | 8.5 | 3.75 | 597,200 | 2,305,146 | 48 | 14.82 | 4.58 | 7.19 | | 3955.62 |
| 7/5/05 | 9:45 | 8.83 | 3.69 | 624,198 | 2,332,144 | 48 | | | | | 3955.29 |
| 7/7/05 | 9:10 | 9.29 | 3.69 | 634,688 | 2,342,634 | 48 | 15.18 | 6.933 | 6.68 | | 3954.83 |
| 7/11/05 | 9:20 | 10.19 | 3.82 | 656,315 | 2,364,261 | 48 | | | | | 3953.93 |
| 7/14/05 | 9:40 | 10.9 | 3.88 | 672,747 | 2,380,693 | 48 | 15.64 | 11.29 | 7.21 | | 3953.22 |
| 7/18/05 | 10:30 | 11.25 | 3.75 | 694,792 | 2,402,738 | 46 | | | | | 3952.87 |
| 7/21/05 | 11:05 | 11.65 | 3.75 | 711,215 | 2,419,161 | 48 | 16.42 | 15.86 | 6.95 | | 3952.47 |
| 7/25/05 | 8:45 | 12.25 | 3.69 | 732,159 | 2,440,105 | 48 | | | | | 3951.87 |
| 7/28/05 | 10:31 | 11.85 | 3.75 | 748,521 | 2,456,467 | 46 | 15.55 | 16.609 | | | 3952.27 |
| 8/1/05 | 8:45 | 12.49 | 3.69 | 769,478 | 2,477,424 | 48 | | | | | 3951.63 |
| 8/4/05 | 10:00 | 12.75 | 3.75 | 785,597 | 2,493,543 | 50 | 15.83 | 19.11 | 6.86 | | 3951.37 |
| 8/8/05 | 9:30 | 12.68 | 3.69 | 806,918 | 2,514,864 | 48 | | | | | 3951.44 |
| 8/11/05 | 8:30 | 12.95 | 3.63 | 822,614 | 2,530,560 | 48 | 15.84 | 10.37 | 7.01 | | 3951.17 |
| 8/15/05 | 8:30 | 12.89 | 3.63 | 843,612 | 2,551,558 | 48 | | | | | 3951.23 |
| 8/18/05 | 9:10 | 12.86 | 3.69 | 854,642 | 2,562,588 | 48 | 16.07 | 19.65 | 6.63 | | 3951.26 |
| 8/22/05 | 9:45 | 13.19 | 3.63 | 875,746 | 2,583,692 | 46 | | | | | 3950.93 |
| 8/25/05 | 9:10 | 13.1 | 3.44 | 890,648 | 2,598,594 | 0 | 16.01 | 19.46 | 6.71 | | 3951.02 |
| 8/29/05 | 11:51 | 13.35 | 3.44 | 911,863 | 2,619,809 | 47 | | | | | 3950.77 |
| 9/1/05 | 11:39 | 13.48 | 3.44 | 926,609 | 2,634,555 | 48 | 16.36 | 25.89 | 6.72 | | 3950.64 |
| 9/6/05 | 11:04 | 13.68 | 3.37 | 951,803 | 2,659,749 | 47 | | | | | 3950.44 |
| 9/8/05 | 13:17 | 13.72 | 3.44 | 962,164 | 2,670,110 | 47 | 16.33 | 23.83 | 6.92 | | 3950.4 |
| 9/12/05 | 9:05 | 13.11 | 3.44 | 981,764 | 2,689,710 | 48 | | | | | 3951.01 |
| 9/15/05 | 10:35 | 13.19 | 3.56 | 996,888 | 2,704,834 | 48 | 16.23 | 22.29 | 6.96 | | 3950.93 |
| 9/19/05 | 9:10 | 13.49 | 3.5 | 1,017,484 | 2,725,430 | 48 | | | | | 3950.63 |
| 9/22/05 | 9:00 | 11.97 | 3.5 | 1,035,000 | 2,742,946 | 6 | 16.84 | 23.06 | 7.02 | | 3952.15 |
| 9/26/05 | 9:26 | 13.41 | 3.56 | 37,560 | 2,760,860 | 47 | | | | | 3950.71 |
| 9/29/05 | 9:17 | 12.98 | 3.63 | 52,799 | 2,776,099 | 48 | 16.32 | 19.88 | 6.92 | | 3951.14 |
| 10/3/05 | 9:40 | 12.84 | 3.56 | 73,369 | 2,796,669 | 48 | | | | | 3951.28 |
| 10/6/05 | 9:20 | 13.1 | 3.5 | 88,495 | 2,811,795 | 48 | 16.07 | 11.35 | 6.97 | | 3951.02 |
| 10/10/05 | 10:15 | 13.51 | 3.5 | 108,788 | 2,832,088 | 48 | | | | | 3950.61 |
| 10/13/05 | 1:30 | 12.9 | 3.5 | 124,580 | 2,847,880 | 50 | 16.6 | 19.02 | 6.88 | | 3951.22 |
| 10/17/05 | 9:00 | 13.15 | 3.5 | 143,701 | 2,867,001 | 48 | | | | | 3950.97 |
| 10/20/05 | 9:00 | 13.26 | 4.26 | 161,055 | 2,884,355 | 47 | 16.34 | 20.41 | 6.91 | | 3950.86 |
| 10/24/05 | 9:30 | 13.57 | 13.57 | 185,460 | 2,908,760 | 47 | | | | | 3950.55 |
| 10/27/05 | 9:25 | 13.69 | 4.2 | 203,504 | 2,926,804 | 48 | 16.65 | 16.9 | 6.95 | | 3950.43 |
| 10/31/05 | 9:30 | 13.51 | 4.26 | 228,085 | 2,951,385 | 47 | | | | | 3950.61 |
| 11/3/05 | 9:00 | 13.55 | 4.2 | 246,178 | 2,969,478 | 47 | 16.44 | 16.779 | 7.09 | | 3950.57 |
| 11/7/05 | 10:06 | 13.86 | 4.2 | 270,771 | 2,994,071 | 47 | | | | | 3950.26 |
| 11/10/05 | 9:00 | 13.98 | 4.27 | 288,468 | 3,011,768 | 48 | 16.45 | 19.838 | 6.89 | | 3950.14 |
| 11/14/05 | 9:30 | 13.98 | 4.01 | 312,533 | 3,035,833 | 48 | | | | | 3950.14 |
| 11/17/05 | 10:00 | 14.13 | 0.7 | 324,192 | 3,047,492 | 45 | 16.47 | 20.79 | 6.97 | | 3949.99 |
| 11/23/05 | 10:41 | 14.45 | 4.2 | 11,772 | 3,078,041 | 47 | 16.26 | 21.516 | 6.75 | | 3949.67 |
| 11/28/05 | 10:18 | 14.35 | 4.07 | 41,219 | 3,107,488 | 28 | | | | | 3949.77 |
| 12/1/05 | 8:50 | 14.61 | 4.01 | 58,494 | 3,124,763 | 48 | 15.96 | 21.909 | 6.77 | | 3949.51 |
| 12/5/05 | 9:50 | 14.41 | 4.07 | 82,030 | 3,148,299 | 49 | | | | | 3949.71 |
| 12/7/05 | 9:50 | 14.41 | 4.07 | 93,670 | 3,159,939 | | 16.54 | 21.48 | 6.91 | System shut down for winter | 3949.71 |

| | | Well 471 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:23 | 19.04 | 3.33 | 1,298,181 | 1,298,181 | 45 | 13.96 | 36.46 | 6.64 | System Shut Down for Winter | 3949.79 |
| 12/27/2004 | 1:28 | 16.70 | | | | | | | | | 3952.13 |
| 1/25/2005 | 16:08 | 16.25 | | | | | | | | baseline samples collected | 3952.58 |
| 2/14/2005 | | | | 1,298,415 | 1,298,415 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:38 | 16.24 | 1.47 | | | 14 | | | | Spring 2005 startup | 3952.59 |
| 2/17/2005 | 11:13 | 17.00 | | 2,472 | 1,300,887 | 20 | 14.77 | 22.12 | 6.65 | Adjusted flow to .96/Flow rate less than threshold | 3951.83 |
| 2/21/2005 | 15:14 | 17.00 | | 2,651 | 1,301,066 | 34 | 15.91 | 27.6 | 6.63 | Flow showing 0 | 3951.83 |
| 2/24/2005 | 10:27 | 16.97 | 0.96 | 4,304 | 1,302,719 | 43 | 15.86 | 23.71 | 6.69 | | 3951.86 |
| 2/28/2005 | 11:32 | 17.05 | 0.7 | 9,213 | 1,307,628 | 54 | 15.6 | 3.144 | 6.73 | New flow rate of 3.2 | 3951.78 |
| 3/3/2005 | 10:00 | 18.05 | 3.13 | 22,450 | 1,320,865 | 52 | 14.72 | 34.69 | 6.55 | | 3950.78 |
| 3/7/2005 | 11:32 | 18.62 | 3.07 | 39,472 | 1,337,887 | 50 | | | | | 3950.21 |
| 3/10/2005 | 9:46 | 18.67 | 3 | 52,220 | 1,350,635 | 49 | 15.17 | 42.37 | 6.69 | | 3950.16 |
| 3/14/2005 | 8:26 | 18.44 | 2.94 | 68,633 | 1,367,048 | 46 | | | | | 3950.39 |
| 3/17/2005 | 9:25 | 18.35 | 3 | 81,612 | 1,380,027 | 45 | 15.31 | 46.48 | 6.71 | | 3950.48 |
| 3/21/2005 | 8:48 | 18.23 | 2.94 | 98,033 | 1,396,448 | 48 | | | | | 3950.60 |
| 3/24/2005 | 10:00 | 18.61 | 3.45 | 111,586 | 1,410,001 | 44 | 15.47 | 44.76 | 6.59 | | 3950.22 |
| 3/28/2005 | 9:31 | 18.39 | 3.33 | 130,625 | 1,429,040 | 45 | | | | | 3950.44 |
| 3/31/2005 | 9:50 | 18.45 | 3.33 | 145,127 | 1,443,542 | 44 | 14.92 | 43.36 | 6.83 | | 3950.38 |
| 4/4/2005 | 9:31 | 18.17 | 3.07 | 163,502 | 1,461,917 | 42 | | | | | 3950.66 |
| 4/7/2005 | 9:29 | 18.10 | 3.07 | 176,673 | 1,475,088 | 45 | 15.11 | 40.48 | 6.94 | | 3950.73 |
| 4/11/2005 | 9:21 | 17.19 | 2.94 | 193,575 | 1,491,990 | 44 | | | | | 3951.64 |
| 4/14/2005 | 3:12 | 17.05 | 2.81 | 205,979 | 1,504,394 | 44 | 15.67 | 34.96 | 6.88 | | 3951.78 |
| 4/18/2005 | 9:25 | 15.85 | 2.81 | 220,894 | 1,519,309 | 44 | | | | | 3952.98 |
| 4/28/2005 | 7:40 | | | | 1,298,415 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:16 | 10.12 | 3.52 | 229,521 | 1,527,936 | 45 | 8.3 | 113.58 | 7.36 | | 3954.25 |
| 5/2/105 | 2:15 | 10.54 | 3.45 | 232,856 | 1,531,271 | 48 | | | | | 3953.83 |
| 5/5/105 | 9:43 | 10.85 | 3.39 | 246,485 | 1,544,900 | 48 | 14.7 | 18.63 | 7.23 | | 3953.52 |
| 5/9/2005 | 8:50 | 10.51 | 3.2 | 264,958 | 1,563,373 | 48 | | | | | 3953.86 |
| 5/12/2005 | 9:10 | 9.99 | 3.2 | 278,649 | 1,577,064 | 48 | 14.07 | 20.74 | 6.98 | | 3954.38 |
| 5/16/2005 | 9:37 | 9.84 | 3.2 | 297,156 | 1,595,571 | 48 | | | | | 3954.53 |
| 5/19/2005 | 9:48 | 8.93 | 3.13 | 310,649 | 1,609,064 | 48 | 14.07 | 7.817 | 7.11 | | 3955.44 |
| 5/23/2005 | 9:33 | 5.92 | 3.2 | 316,438 | 1,614,853 | 48 | | | | | 3958.45 |
| 5/26/2005 | 11:10 | 4.32 | 3.13 | 322,446 | 1,620,861 | 48 | 13.04 | 5.069 | 7.11 | | 3960.05 |
| 5/31/2005 | 9:07 | 5.49 | 3.45 | 322,473 | 1,620,888 | 48 | | | | | 3958.88 |
| 6/2/2005 | 9:10 | 6.90 | 3.13 | 331,291 | 1,629,706 | 48 | 13.24 | 4.47 | 7.28 | | 3957.47 |
| 6/6/2005 | 9:04 | 7.24 | 2.94 | 347,837 | 1,646,252 | 48 | | | | | 3957.13 |
| 6/9/2005 | 9:28 | 7.86 | 2.94 | 360,542 | 1,658,957 | 48 | 13.68 | 4.038 | 7.21 | | 3956.51 |
| 6/13/2005 | 8:47 | 8.23 | 2.88 | 377,162 | 1,675,577 | 48 | | | | | 3956.14 |
| 6/16/2005 | 9;10 | 8.55 | 2.88 | 389,584 | 1,687,999 | 48 | 14.3 | 6.958 | 7.11 | | 3955.82 |
| 6/20/2005 | 9:25 | 8.21 | 2.94 | 406,798 | 1,705,213 | 48 | | | | | 3956.16 |
| 6/23/2005 | 10:00 | 7.72 | 2.88 | 419,526 | 1,717,941 | 48 | 14.21 | 10.25 | 7 | | 3956.65 |
| 6/27/2005 | 9:55 | 7.74 | 2.94 | 436,309 | 1,734,724 | 48 | | | | | 3956.63 |
| 6/30/2005 | 9:14 | 8:33 | 2.94 | 448,123 | 1,746,538 | 48 | 14.72 | 9.753 | 7.08 | | 3964.01 |
| 7/5/2005 | 9:47 | 9.14 | 2.94 | 469,171 | 1,767,586 | 48 | | | | | 3955.23 |
| 7/7/2005 | 9:12 | 9.62 | 2.88 | 477,402 | 1,775,817 | 50 | 15.17 | 16.37 | 6.98 | | 3954.75 |
| 7/11/2005 | 9:22 | 10.52 | 3.13 | 494,954 | 1,793,369 | 48 | | | | | 3953.85 |
| 7/14/2005 | 9:45 | 11.50 | 3 | 507,919 | 1,806,334 | 48 | 15.61 | 23.76 | 7.13 | | 3952.87 |
| 7/18/2005 | 10:32 | 11.57 | 2.88 | 525,353 | 1,823,768 | 48 | | | | | 3952.80 |
| 7/21/2005 | 11:09 | 11.98 | 2.88 | 538,019 | 1,836,434 | 49 | 16.11 | 27.54 | 6.54 | | 3952.39 |
| 7/25/2005 | 8:50 | 12.55 | 2.88 | 554,145 | 1,852,560 | 49 | | | | | 3951.82 |
| 7/28/2005 | 10:33 | 12.37 | 2.94 | 566,721 | 1,865,136 | 50 | 15.6 | 26.18 | | | 3952.00 |
| 8/1/2005 | 8:50 | 12.84 | 2.81 | 583,106 | 1,881,521 | 48 | | | | | 3951.53 |
| 8/4/2005 | 10:05 | 13.09 | 2.81 | 595,577 | 1,893,992 | 50 | 15.77 | 14.44 | 6.8 | | 3951.28 |
| 8/8/2005 | 9:35 | 13.02 | 2.88 | 611,787 | 1,910,202 | 48 | | | | | 3951.35 |
| 8/11/2005 | 8:33 | 13.28 | 2.88 | 623,899 | 1,922,314 | 50 | 15.81 | 14.45 | 6.87 | | 3951.09 |
| 8/15/2005 | 8:33 | 13.25 | 2.81 | 640,170 | 1,938,585 | 48 | | | | | 3951.12 |
| 8/18/2005 | 9:15 | 13.21 | 2.94 | 648,843 | 1,947,258 | 48 | 15.91 | 25.14 | 6.54 | | 3951.16 |
| 8/22/2005 | 9:50 | 13.48 | 2.81 | 665,584 | 1,963,999 | 48 | | | | | 3950.89 |
| 8/25/2005 | 9:21 | 13.45 | 2.56 | 676,924 | 1,975,339 | 0 | 15.99 | 25.3 | 6.64 | | 3950.92 |
| 8/29/2005 | 11:55 | 13.64 | 2.68 | 693,459 | 1,991,874 | 50 | | | | | 3950.73 |
| 9/1/2005 | 11:45 | 13.75 | 2.62 | 704,654 | 2,003,069 | 50 | 16.02 | 32.04 | 6.57 | | 3950.62 |
| 9/6/2005 | 11:06 | 13.93 | 2.62 | 724,176 | 2,022,591 | 50 | | | | | 3950.44 |
| 9/8/2005 | 13:21 | 13.97 | 2.68 | 732,130 | 2,030,545 | 50 | 16.13 | 29.58 | 6.78 | | 3950.40 |
| 9/12/2005 | 9:08 | 13.43 | 2.68 | 747,520 | 2,045,935 | 50 | | | | | 3950.94 |
| 9/15/2005 | 10:40 | 13.51 | 2.81 | 759,358 | 2,057,773 | 50 | 15.99 | 27.74 | 6.93 | | 3950.86 |
| 9/19/2005 | 9:12 | 13.81 | 2.81 | 776,222 | 2,074,637 | 50 | | | | | 3950.56 |
| 9/22/2005 | 9:05 | 13.42 | 2.88 | 788,338 | 2,086,753 | 50 | 16.18 | 14.9 | 6.89 | | 3950.95 |
| 9/26/2005 | 9:28 | 13.75 | 2.88 | 804,576 | 2,102,991 | 49 | | | | | 3950.62 |
| 9/29/2005 | 9:28 | 13.33 | 2.75 | 816,543 | 2,114,958 | 49 | 16.07 | 24.86 | 6.89 | | 3951.04 |
| 10/3/2005 | 9:42 | 13.22 | 2.81 | 832,292 | 2,130,707 | 50 | | | | | 3951.15 |
| 10/6/2005 | 9:28 | 13.45 | 2.68 | 843,905 | 2,142,320 | 50 | 15.87 | 13.73 | 6.99 | | 3950.92 |
| 10/10/2005 | 10:16 | 13.42 | 2.68 | 859,506 | 2,157,921 | 50 | | | | | 3950.95 |
| 10/13/2005 | 1:15 | 13.27 | 2.68 | 871,721 | 2,170,136 | 50 | 16.4 | 23.37 | 6.83 | | 3951.10 |
| 10/17/2005 | 9:03 | 13.25 | 2.68 | 886,559 | 2,184,974 | 50 | | | | | 3951.12 |
| 10/20/2005 | 9:02 | 13.82 | 3.26 | 899,907 | 2,198,322 | 48 | 16.16 | 23.8 | 6.89 | | 3950.55 |
| 10/24/2005 | 9:32 | 13.74 | 3.26 | 918,790 | 2,217,205 | 48 | | | | | 3950.63 |
| 10/27/2005 | 9:28 | 13.83 | 3.26 | 932,794 | 2,231,209 | 48 | 16.32 | 25.23 | 6.93 | | 3950.54 |
| 10/31/2005 | 9:32 | 13.71 | 3.2 | 951,564 | 2,249,979 | 48 | | | | | 3950.66 |
| 11/3/2005 | 9:04 | 13.74 | 3.2 | 965,349 | 2,263,764 | 48 | 16.33 | 19779 | 7.09 | | 3950.63 |
| 11/7/2005 | 10:09 | 13.95 | 3.13 | 983,902 | 2,282,317 | 48 | | | | | 3950.42 |
| 11/10/2005 | 9:02 | 13.11 | 3.13 | 997,311 | 2,295,726 | 48 | 16.43 | 22.323 | 6.97 | | 3951.26 |
| 11/14/2005 | 9:32 | 14.10 | 3.13 | 1,015,598 | 2,314,013 | 48 | | | | | 3950.27 |
| 11/17/2005 | 10:02 | 14.19 | 3.13 | 1,029,467 | 2,327,882 | 48 | 16.45 | 22.7 | 7.04 | | 3950.18 |
| 11/23/050 | 10:43 | 14.41 | 3.2 | 1,056,881 | 2,355,296 | 48 | 16.26 | 21.516 | 6.75 | | 3949.96 |
| 11/28/2005 | 10:19 | 14.54 | 3.13 | 1,079,699 | 2,378,114 | 49 | | | | | 3949.83 |
| 12/1/2005 | 9:00 | 14.55 | 3.2 | 1,093,180 | 2,391,595 | 48 | 16.19 | 23.663 | 6.92 | | 3949.82 |
| 12/5/2005 | 9:52 | 14.42 | 3.2 | 1,111,965 | 2,410,380 | 59 | | | | | 3949.95 |
| 12/7/2005 | 9;50 | 14.42 | 3.2 | 1,121,295 | 2,419,710 | | 16.25 | 23.8 | 6.92 | System shut down for winter | 3949.95 |

| | | Well 472 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:32 | 19.39 | 2.69 | 97,799 | 1,107,994 | 42 | 13.41 | 30.42 | 6.61 | System Shut Down for Winter | 3949.42 |
| 12/27/2004 | 1:29 | 16.68 | | | | 5 | | | | | 3952.13 |
| 1/25/2005 | 16:36 | 16.26 | | | | | | | | baseline samples collected | 3952.55 |
| 2/14/2005 | | | | 97,967 | 1,108,162 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:41 | 16.25 | 1.53 | | | 52 | | | | Spring 2005 startup | 3952.56 |
| 2/17/2005 | 11:19 | 17.30 | | 3,001 | 1,111,163 | 51 | 14.53 | 21.73 | 6.71 | Adjusted flow to .91/Flow rate below threshold | 3951.51 |
| 2/21/2005 | 3:36 | 17.34 | 0.33 | 6,201 | 1,114,363 | 52 | 14.8 | 23.97 | 6.66 | | 3951.47 |
| 2/24/2005 | 10:29 | 17.31 | 0.3 | 1,814 | 1,109,976 | 51 | 14.63 | 24.85 | 6.71 | | 3951.50 |
| 2/28/2005 | 11:34 | 17.30 | 2.555 | 7,950 | 1,116,112 | 52 | 15.17 | 26.25 | 6.73 | New flow rate of 2.82 | 3951.51 |
| 3/3/2005 | 10:05 | 18.63 | 2.8 | 18,925 | 1,127,087 | 49 | 14.49 | 26.28 | 6.59 | | 3950.18 |
| 3/7/2005 | 11:33 | 18.80 | 2.78 | 33,913 | 1,142,075 | 42 | | | | | 3950.01 |
| 3/10/2005 | 9:47 | 18.85 | 2.8 | 44,186 | 1,152,348 | 42 | 14.82 | 31.98 | 6.71 | | 3949.96 |
| 3/14/2005 | 8:31 | 18.59 | 2.75 | 56,874 | 1,165,036 | 42 | | | | | 3950.22 |
| 3/17/2005 | 9:30 | 18.55 | 2.78 | 66,800 | 1,174,962 | 42 | 14.77 | 36.49 | 6.79 | | 3950.26 |
| 3/21/2005 | 8:50 | 18.47 | 2.84 | 77,520 | 1,185,682 | 42 | | | | | 3950.34 |
| 3/24/2005 | 10:05 | 18.49 | 2.78 | 85,443 | 1,193,605 | 43 | 14.85 | 36.07 | 6.6 | | 3950.32 |
| 3/28/2005 | 9:33 | 18.33 | 2.76 | 96,164 | 1,204,326 | 42 | | | | | 3950.48 |
| 3/31/2005 | 9:52 | 18.44 | 2.76 | 104,417 | 1,212,579 | 42 | | | | | 3950.37 |
| 4/4/2005 | 9:32 | 18.19 | 2.67 | 114,888 | 1,223,050 | 42 | | | | | 3950.62 |
| 4/7/2005 | 9:33 | 18.15 | 2.61 | 122,995 | 1,231,157 | 43 | 14.73 | 33.52 | 6.96 | | 3950.66 |
| 4/11/2005 | 11:05 | 17.15 | 2.65 | 135,055 | 1,243,217 | 44 | | | | | 3951.66 |
| 4/14/2005 | 3:15 | 17.00 | 2.61 | 145,959 | 1,254,121 | 42 | 15.52 | 31.02 | 6.89 | | 3951.81 |
| 4/18/2005 | 9:28 | 15.86 | 2.72 | 160,023 | 1,268,185 | 42 | | | | | 3952.95 |
| 4/28/2005 | 7:40 | | | | 1,108,162 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:17 | 9.95 | 2.67 | 165,250 | 1,273,412 | 42 | 7.39 | 87.76 | 7.35 | | 3954.45 |
| 5/2/2005 | 2:15 | 10.37 | 2.59 | 180,042 | 1,288,204 | 43 | | | | | 3954.03 |
| 5/5/2005 | 9:45 | 10.51 | 2.26 | 189,199 | 1,297,361 | 43 | 14.44 | 17.45 | 7.27 | | 3953.89 |
| 5/9/2005 | 8:53 | 10.54 | 2.48 | 202,669 | 1,310,831 | 44 | | | | | 3953.86 |
| 5/12/2005 | 9:15 | 9.74 | 2.42 | 212,812 | 1,320,974 | 43 | 13.85 | 15.52 | 7.03 | | 3954.66 |
| 5/16/2005 | 9:41 | 9.53 | 2.42 | 226,380 | 1,334,542 | 43 | | | | | 3954.87 |
| 5/19/2005 | 9:50 | 8.68 | 2.38 | 236,580 | 1,344,742 | 43 | 13.61 | 8.81 | 7.1 | | 3955.72 |
| 5/23/2005 | 9:35 | 5.73 | 2.57 | 240,917 | 1,349,079 | 42 | | | | | 3958.67 |
| 5/26/2005 | 11:13 | 4.13 | 2.61 | 249,064 | 1,357,226 | 44 | 13.06 | 3.27 | 7.17 | | 3960.27 |
| 5/31/2005 | 9:10 | 5.33 | 2.65 | 253,344 | 1,361,506 | 44 | | | | | 3959.07 |
| 6/2/2005 | 9:12 | 6.74 | 2.63 | 260,782 | 1,368,944 | 44 | 13.18 | 3.41 | 7.42 | | 3957.66 |
| 6/6/2005 | 9:06 | 7.12 | 2.61 | 275,246 | 1,383,408 | 42 | | | | | 3957.28 |
| 6/9/2005 | 9:31 | 7.72 | 2.65 | 286,478 | 1,394,640 | 42 | 13.65 | 8.534 | 7.29 | | 3956.68 |
| 6/13/2005 | 8:50 | 8.50 | 2.59 | 301,198 | 1,409,360 | 42 | | | | | 3955.90 |
| 6/16/2005 | 9:15 | 8.35 | 2.48 | 311,468 | 1,419,630 | 42 | 14.27 | 7.27 | 7.14 | | 3956.05 |
| 6/20/2005 | 9:28 | 7.98 | 2.5 | 324,984 | 1,433,146 | 44 | | | | | 3956.42 |
| 6/23/2005 | 10:05 | 7.54 | 2.55 | 335,198 | 1,443,360 | 44 | 14.29 | 11.02 | 7.05 | | 3956.86 |
| 6/27/2005 | 9:58 | 7.58 | 2.55 | 348,903 | 1,457,065 | 44 | | | | | 3956.82 |
| 6/30/2005 | 9:16 | 8.14 | 2.57 | 358,532 | 1,466,694 | 44 | 14.7 | 12.5 | 7.06 | | 3956.26 |
| 7/5/2005 | 9:50 | 8.85 | 2.48 | 375,478 | 1,483,640 | 44 | | | | | 3955.55 |
| 7/7/2005 | 9:15 | 9.24 | 2.55 | 382,159 | 1,490,321 | 44 | 15.1 | 18.74 | 6.93 | | 3955.16 |
| 7/11/2005 | 9:25 | 10.15 | 2.53 | 395,761 | 1,503,923 | 44 | | | | | 3954.25 |
| 7/14/2005 | 9:50 | 10.69 | 2.44 | 405,829 | 1,513,991 | 42 | 15.68 | 24.45 | 7.06 | | 3953.71 |
| 7/18/2005 | 10:35 | 11.14 | 2.38 | 419,429 | 1,527,591 | 44 | | | | | 3953.26 |
| 7/21/2005 | 11:15 | 11.55 | 2.36 | 429,656 | 1,537,818 | 45 | 16.04 | 27.28 | 6.32 | | 3952.85 |
| 7/25/2005 | 8:55 | 12.11 | 2.33 | 442,094 | 1,550,256 | 44 | | | | | 3952.29 |
| 7/28/2005 | 10:36 | 12.30 | 2.36 | 451,720 | 1,559,882 | 44 | 15.73 | 23.044 | | | 3952.10 |
| 8/1/2005 | 8:53 | 12.45 | 2.33 | 464,439 | 1,572,601 | 44 | | | | | 3951.95 |
| 8/4/2005 | 10:10 | 12.71 | 2.31 | 473,703 | 1,581,865 | 44 | 15.82 | 25.97 | 6.75 | | 3951.69 |
| 8/8/2005 | 9:38 | 12.73 | 2.36 | 487,105 | 1,595,267 | 42 | | | | | 3951.67 |
| 8/11/2005 | 8:35 | 12.92 | 2.31 | 496,373 | 1,604,535 | 44 | 15.86 | 14.33 | 6.83 | | 3951.48 |
| 8/15/2005 | 8:35 | 12.95 | 2.31 | 508,518 | 1,616,680 | 44 | | | | | 3951.45 |
| 8/18/2005 | 9:20 | 12.82 | 2.36 | 515,305 | 1,623,467 | 44 | 15.86 | 24.41 | 6.58 | | 3951.58 |
| 8/22/2005 | 9:55 | 13.17 | 2.25 | 528,450 | 1,636,612 | 46 | | | | | 3951.23 |
| 8/25/2005 | 9:31 | 13.16 | 1.99 | 536,497 | 1,644,659 | 0 | 16.05 | 24.02 | 6.64 | | 3951.24 |
| 8/29/2005 | 11:58 | 13.33 | 2.08 | 547,561 | 1,655,723 | 47 | | | | | 3951.07 |
| 9/1/2005 | 11:50 | 13.44 | 2.12 | 555,628 | 1,663,790 | 47 | 16.03 | 30.46 | 6.55 | | 3950.96 |
| 9/6/2005 | 11:08 | 13.65 | 2.06 | 568,846 | 1,677,008 | 47 | | | | | 3950.75 |
| 9/8/2005 | 13:25 | 13.70 | 2.06 | 574,500 | 1,682,662 | 48 | 16.19 | 27.4 | 6.76 | | 3950.70 |
| 9/12/2005 | 9:10 | 13.15 | 2.1 | 584,846 | 1,693,008 | 48 | | | | | 3951.25 |
| 9/15/2005 | 10:42 | 13.21 | 2.23 | 593,022 | 1,701,184 | 44 | 16.2 | 13.31 | 6.89 | | 3951.19 |
| 9/19/2005 | 9:15 | 13.51 | 2.19 | 605,420 | 1,713,582 | 46 | | | | | 3950.89 |
| 9/22/2005 | 9:10 | 13.11 | 2.21 | 613,696 | 1,721,858 | 46 | 16.42 | 14.83 | 6.87 | | 3951.29 |
| 9/26/2005 | 9:30 | 13.42 | 2.21 | 624,514 | 1,732,676 | 45 | | | | | 3950.98 |
| 9/29/2005 | 9:40 | 12.96 | 2.14 | 632,635 | 1,740,797 | 47 | 16.37 | 20.41 | 6.89 | | 3951.44 |
| 10/3/2005 | 9:45 | 12.87 | 2.12 | 643,444 | 1,751,606 | 46 | | | | | 3951.53 |
| 10/6/2005 | 9:30 | 13.11 | 2.1 | 651,522 | 1,759,684 | 46 | 16.15 | 12.09 | 7 | | 3951.29 |
| 10/10/2005 | 10:17 | 13.05 | 2.08 | 662,414 | 1,770,576 | 46 | | | | | 3951.35 |
| 10/13/2005 | 1:55 | 12.91 | 2.1 | 670,911 | 1,779,073 | 49 | 16.8 | 19.7 | 6.86 | | 3951.49 |
| 10/17/2005 | 9:05 | 13.16 | 2.08 | 681,188 | 1,789,350 | 46 | | | | | 3951.24 |
| 10/20/2005 | 9:03 | 13.48 | 2.5 | 690,586 | 1,798,748 | 42 | 16.48 | 16.25 | 6.89 | | 3950.92 |
| 10/24/2005 | 9:34 | 13.43 | 2.5 | 704,162 | 1,812,324 | 42 | | | | | 3950.97 |
| 10/27/2005 | 9:30 | 13.51 | 2.5 | 714,268 | 1,822,430 | 43 | 16.71 | 11.97 | 6.96 | | 3950.89 |
| 10/31/2005 | 9:35 | 13.41 | 2.48 | 727,932 | 1,836,094 | 42 | | | | | 3950.99 |
| 11/3/2005 | 9:06 | 13.42 | 2.48 | 737,974 | 1,846,136 | 42 | 16.74 | 16.05 | 7.12 | | 3950.98 |
| 11/7/2005 | 10:11 | 13.64 | 2.5 | 751,645 | 1,859,807 | 43 | | | | | 3950.76 |
| 11/10/2005 | 9:04 | 13.74 | 2.46 | 761,597 | 1,869,759 | 42 | 16.84 | 18.678 | 6.99 | | 3950.66 |
| 11/14/2005 | 9:34 | 13.75 | 2.44 | 775,190 | 1,883,352 | 44 | | | | | 3950.65 |
| 11/17/2005 | 10:04 | 13.83 | 2.44 | 785,451 | 1,893,613 | 40 | 16.77 | 18.982 | 7.07 | | 3950.57 |
| 11/23/2005 | 10:44 | 14.94 | 2.42 | 795,616 | 1,903,778 | 42 | 16.74 | 19.988 | 6.91 | | 3949.46 |
| 11/28/2005 | 10:21 | 14.13 | 2.42 | 822,529 | 1,930,691 | 44 | | | | | 3950.27 |
| 12/1/2005 | 9:05 | 14.12 | 2.42 | 832,466 | 1,940,628 | 42 | 16.54 | 20.123 | 6.93 | | 3950.28 |
| 12/5/2005 | 9:54 | 14.03 | 2.4 | 846,084 | 1,954,246 | 42 | | | | | 3950.37 |
| 12/7/2005 | 9:50 | 14.03 | 2.4 | 852,812 | 1,960,974 | | 16.87 | 19.93 | 6.92 | System shut down for winter | 3950.37 |

| | | Well 473 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:45 | 20.32 | 3.25 | 205,009 | 808,196 | 47 | 15.21 | 23.68 | 6.69 | System Shut Down for Winter | 3948.73 |
| 12/27/2004 | 1:30 | 16.65 | | | | 0 | | | | | 3952.40 |
| 1/25/2005 | 16:55 | 16.21 | | | | | | | | baseline samples collected | 3952.84 |
| 2/14/2005 | | | | 205,144 | 808,331 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:43 | 16.22 | 0.89 | | | 36 | | | | Spring 2005 startup | 3952.83 |
| 2/17/2005 | 11:28 | 17.74 | 0.94 | 2,823 | 811,154 | 49 | 15.45 | 19.05 | 6.77 | | 3951.31 |
| 2/21/2005 | 3:20 | 17.81 | 0.94 | 8,287 | 816,618 | 59 | 15.34 | 20.27 | 6.63 | | 3951.24 |
| 2/24/2005 | 10:31 | 17.67 | 0.89 | 11,375 | 819,706 | 58 | 15.12 | 20.78 | 6.75 | | 3951.38 |
| 2/28/2005 | 11:35 | 17.76 | 0.9 | 15,946 | 824,277 | 60 | 15.26 | 21.93 | 6.71 | New flow rate of 1.48 | 3951.29 |
| 3/3/2005 | 10:07 | 19.95 | 1.42 | 21,664 | 829,995 | 46 | 14.79 | 21.3 | 6.6 | | 3949.10 |
| 3/7/2005 | 11:34 | 20.54 | 1.43 | 29,635 | 837,966 | 49 | | | | | 3948.51 |
| 3/10/2005 | 9:50 | 20.65 | 1.43 | 34,572 | 842,903 | 49 | 15.2 | 27.37 | 6.72 | Noticed an oil(?) slick in water | 3948.40 |
| 3/14/2005 | 8:33 | 20.45 | 1.42 | 39,909 | 848,240 | 48 | | | | | 3948.60 |
| 3/17/2005 | 9:35 | 21.05 | 1.43 | 44,011 | 852,342 | 44 | 14.97 | 27.63 | 6.79 | | 3948.00 |
| 3/21/2005 | 8:51 | 20.02 | 1.44 | 49,367 | 857,698 | 45 | | | | | 3949.03 |
| 3/24/2005 | 10:07 | 19.99 | 1.44 | 53,276 | 861,607 | 46 | 15.21 | 27.47 | 6.62 | | 3949.06 |
| 3/28/2005 | 9:35 | 19.72 | 1.45 | 58,634 | 866,965 | 55 | | | | | 3949.33 |
| 3/31/2005 | 9:55 | 19.99 | 1.45 | 62,762 | 871,093 | 50 | 14.87 | 27.47 | 6.9 | | 3949.06 |
| 4/4/2005 | 9:33 | 19.52 | 1.46 | 65,536 | 873,867 | 45 | | | | | 3949.53 |
| 4/7/2005 | 9:38 | 19.49 | 1.43 | 65,536 | 873,867 | 48 | 14.98 | 25.67 | 7 | | 3949.56 |
| 4/11/2005 | 11:07 | 17.98 | 1.44 | 65,536 | 873,867 | 49 | | | | | 3951.07 |
| 4/14/2005 | 3:20 | 17.65 | 1.41 | 65,536 | 873,867 | 48 | 15.36 | 23.84 | 6.86 | | 3951.40 |
| 4/18/2005 | 9:30 | 16.41 | 1.44 | 65,536 | 873,867 | 45 | | | | | 3952.64 |
| 4/27/2005 | 7:40 | | | | | | | | | Restarted After New Vault Intsalled. New TOC | no data |
| 4/28/2005 | 10:20 | 10.56 | 1.35 | 65,536 | 873,867 | 48 | 7.53 | 115.38 | 7.14 | | 3954.10 |
| 5/2/2005 | 2:15 | 10.99 | 1.33 | 65,536 | 873,867 | 48 | | | | | 3953.67 |
| 5/5/2005 | 9:50 | 10.98 | 2.8 | 19 | 808,350 | 12 | 14.66 | 14.72 | 7.2 | New meter | 3953.68 |
| 5/9/2005 | 8:55 | 10.95 | 3.14 | 12,858 | 821,189 | 30 | | | | | 3953.71 |
| 5/12/2005 | 9:18 | 10.48 | 3.19 | 25,209 | 833,540 | 38 | 14.1 | 14.92 | 6.94 | | 3954.18 |
| 5/16/2005 | 9:42 | 10.32 | 3.26 | 41,458 | 849,789 | 40 | | | | | 3954.34 |
| 5/19/2005 | 9:52 | 9.51 | 3.24 | 53,646 | 861,977 | 42 | 13.87 | 11.22 | 6.99 | | 3955.15 |
| 5/23/2005 | 9:38 | 6.29 | 3.27 | 58,942 | 867,273 | 44 | | | | | 3958.37 |
| 5/26/2005 | 11:17 | 4.81 | 3.38 | 69,378 | 877,709 | 45 | 13.33 | 4.153 | 7.15 | | 3959.85 |
| 5/31/2005 | 9:12 | 5.91 | 3.21 | 72,491 | 880,822 | 44 | | | | | 3958.75 |
| 6/2/2005 | 9:15 | 7.42 | 3.28 | 77,899 | 886,230 | 44 | 13.48 | 4.99 | 7.36 | | 3957.24 |
| 6/6/2005 | 9:10 | 7.79 | 3.29 | 88,655 | 896,986 | 44 | | | | | 3956.87 |
| 6/9/2005 | 9:35 | 8.35 | 3.32 | 96,828 | 905,159 | 44 | 14.02 | 11.34 | 7.18 | | 3956.31 |
| 6/13/2005 | 8:52 | 8.79 | 3.34 | 107,538 | 915,869 | 44 | | | | | 3955.87 |
| 6/16/2005 | 9:20 | 9.15 | 3.34 | 115,686 | 924,017 | 48 | 14.55 | 7.687 | 7.08 | | 3955.51 |
| 6/20/2005 | 9:30 | 8.74 | 3.35 | 126,494 | 934,825 | 48 | | | | | 3955.92 |
| 6/23/2005 | 10:07 | 8.24 | 3.39 | 137,360 | 945,691 | 46 | 14.72 | 12.26 | 6.94 | | 3956.42 |
| 6/27/2005 | 10:00 | 8.28 | 3.36 | 156,214 | 964,545 | 48 | | | | | 3956.38 |
| 6/30/2005 | 9:18 | 8.85 | 3.32 | 169,613 | 977,944 | 46 | 14.91 | 15.26 | 6.94 | | 3955.81 |
| 7/5/2005 | 9:52 | 9.58 | 3.31 | 193,329 | 1,001,660 | 46 | | | | | 3955.08 |
| 7/7/2005 | 9:13 | 9.95 | 3.3 | 202,688 | 1,011,019 | 46 | 15.3 | 10.79 | 6.81 | | 3954.71 |
| 7/11/2005 | 9:28 | 10.82 | 3.36 | 221,602 | 1,029,933 | 48 | | | | | 3953.84 |
| 7/14/2005 | 9:55 | 11.41 | 3.35 | 235,747 | 1,044,078 | 46 | 15.79 | 23.62 | 7.09 | | 3953.25 |
| 7/18/2005 | 10:38 | 10.72 | 0 | 250,923 | 1,059,254 | 46 | | | | Changed batteries | 3953.94 |
| 7/21/2005 | 11:20 | 11.11 | 0 | 250,923 | 1,059,254 | 10 | | | | No electrical power | 3953.55 |
| 7/25/2005 | 8:58 | 11.61 | 0 | 250,923 | 1,059,254 | 4 | | | | Pump not on | 3953.05 |
| 7/28/2005 | 10:38 | 13.07 | 3.66 | 265,199 | 1,073,530 | 100 | 16.35 | 22.38 | | | 3951.59 |
| 8/1/2005 | 8:55 | 13.25 | 2.96 | 281,238 | 1,089,569 | 110 | | | | | 3951.41 |
| 8/4/2005 | 10:15 | 13.52 | 2.94 | 293,591 | 1,101,922 | 110 | 16.3 | 23.77 | 6.76 | | 3951.14 |
| 8/8/2005 | 9:40 | 13.54 | 2.97 | 309,679 | 1,118,010 | 110 | | | | | 3951.12 |
| 8/11/2005 | 8:38 | 13.89 | 2.97 | 321,677 | 1,130,008 | 110 | 16.32 | 13.48 | 6.91 | | 3950.77 |
| 8/15/2005 | 8:40 | 13.92 | 2.98 | 337,873 | 1,146,204 | 110 | | | | | 3950.74 |
| 8/18/2005 | 9:25 | 12.21 | 2.98 | 338,940 | 1,147,271 | 44 | 22.6 | 11.91 | 6.57 | Pump replaced | 3952.45 |
| 8/22/2005 | 9:58 | 13.65 | 2.3 | 351,593 | 1,159,924 | 48 | | | | | 3951.01 |
| 8/25/2005 | 9:39 | 13.57 | 2.11 | 360,223 | 1,168,554 | 0 | 17.16 | 23.05 | 6.62 | | 3951.09 |
| 8/29/2005 | 12:01 | 13.84 | 2.17 | 373,307 | 1,181,638 | 50 | | | | | 3950.82 |
| 9/1/2005 | 11:54 | 13.92 | 2.19 | 382381 | 1,190,712 | 50 | 17.16 | 29.44 | 6.48 | | 3950.74 |
| 9/6/2005 | 11:10 | 14.23 | 2.15 | 397,896 | 1,206,227 | 49 | | | | | 3950.43 |
| 9/8/2005 | 6:57 | 14.28 | 2.17 | 404,261 | 1,212,592 | 48 | 17.13 | 26.11 | 6.79 | | 3950.38 |
| 9/12/2005 | 9:12 | 13.62 | 2.19 | 416,006 | 1,224,337 | 48 | | | | | 3951.04 |
| 9/15/2005 | 10:45 | 13.58 | 2.33 | 425,209 | 1,233,540 | 48 | 17.22 | 24.91 | 6.9 | | 3951.08 |
| 9/19/2005 | 9:20 | 13.92 | 2.22 | 438,052 | 1,246,383 | 48 | | | | | 3950.74 |
| 9/22/2005 | 9:13 | 13.05 | 2.31 | 438,115 | 1,246,446 | 46 | 17.5 | 24.03 | 6.95 | | 3951.61 |
| 9/26/2005 | 9:32 | 13.93 | 2.29 | 450,281 | 1,258,612 | 48 | | | | | 3950.73 |
| 9/29/2005 | 9:52 | 13.4 | 2.23 | 459,439 | 1,267,770 | 47 | 17.52 | 17.55 | 6.93 | | 3951.26 |
| 10/3/2005 | 9:48 | 13.35 | 2.23 | 471,579 | 1,279,910 | 48 | | | | | 3951.31 |
| 10/6/2005 | 9:35 | 13.58 | 2.21 | 480,670 | 1,289,001 | 48 | 17.18 | 19.26 | 7.12 | | 3951.08 |
| 10/10/2005 | 10:18 | 13.52 | 2.25 | 492,920 | 1,301,251 | 42 | | | | | 3951.14 |
| 10/13/2005 | 2:02 | 13.4 | 2.26 | 502,490 | 1,310,821 | 50 | 17.8 | 16.04 | 6.92 | | 3951.26 |
| 10/17/2005 | 9:08 | 13.63 | 2.25 | 514,042 | 1,322,373 | 44 | | | | | 3951.03 |
| 10/20/2005 | 9:05 | 13.95 | 2.47 | 520,261 | 1,328,592 | 40 | 17.38 | 10.12 | 6.98 | | 3950.71 |
| 10/24/2005 | 9:36 | 13.92 | 2.44 | 533,839 | 1,342,170 | 40 | | | | | 3950.74 |
| 10/27/2005 | 9:32 | 13.98 | 2.45 | 543,944 | 1,352,275 | 40 | 17.64 | 16.57 | 6.99 | | 3950.68 |
| 10/31/2005 | 9:37 | 13.89 | 2.45 | 557,609 | 1,365,940 | 40 | | | | | 3950.77 |
| 11/3/2005 | 9:08 | 13.91 | 2.41 | 567,651 | 1,375,982 | 38 | 17.6 | 12.67 | 7.16 | | 3950.75 |
| 11/7/2005 | 10:14 | 14.1 | 2.4 | 581,323 | 1,389,654 | 37 | | | | | 3950.56 |
| 11/10/2005 | 9:06 | 14.21 | 2.39 | 591,274 | 1,399,605 | 40 | 17.73 | 14.539 | 7.05 | | 3950.45 |
| 11/14/2005 | 9:36 | 14.24 | 2.39 | 604,869 | 1,413,200 | 38 | | | | | 3950.42 |
| 11/17/2005 | 10:08 | 14.33 | 2.4 | 615,126 | 1,423,457 | 38 | 17.57 | 14.875 | 7.05 | | 3950.33 |
| 11/23/2005 | 10:46 | 14.82 | 2.55 | 635,393 | 1,443,724 | 36 | 17.54 | 15.826 | 6.95 | | 3949.84 |
| 11/28/2005 | 10:24 | 14.88 | 2.55 | 652,206 | 1,460,537 | 37 | | | | | 3949.78 |
| 12/1/2005 | 9:10 | 14.89 | 2.53 | 662,151 | 1,470,482 | 37 | 17.23 | 16.385 | 6.92 | | 3949.77 |
| 12/5/2005 | 9:58 | 14.76 | 2.54 | 675,764 | 1,484,095 | 35 | | | | | 3949.90 |
| 12/7/2005 | 9:50 | 14.76 | 2.54 | 682,496 | 1,490,827 | | 17.74 | 16.13 | 6.94 | System shut down for winter | 3949.90 |

| | | Well 474 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:51 | | 1.02 | 867,256 | 867,256 | 48 | 12.69 | 25.49 | 6.57 | System Shut Down for Winter | no data |
| 12/27/2004 | 1:31 | 16.94 | | | | | | | | | 3952.28 |
| 1/25/2005 | 17:20 | 16.46 | | | | | | | | baseline samples collected | 3952.76 |
| 2/14/2005 | | | | 867,408 | 867,408 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:45 | 16.51 | 1.08 | | | 0 | | | | Spring 2005 startup | 3952.71 |
| 2/17/2005 | 11:35 | 17.4 | | 2,105 | 869,513 | 50 | 14.76 | 17.63 | 6.75 | Adjusted flow to 1.08/ Flow rate below threshold | 3951.82 |
| 2/21/2005 | 15:17 | 17.44 | | 2,181 | 869,589 | 50 | 13.82 | 17.89 | 6.66 | Flow showing 0 | 3951.78 |
| 2/24/2005 | 10:43 | 17.26 | | 2,262 | 869,670 | 49 | 12.57 | 18.43 | 6.64 | Flow rate below threshold | 3951.96 |
| 2/28/2005 | 11:36 | 17.33 | 2.555 | 2,262 | 869,670 | 48 | 14.71 | 18.48 | 6.67 | | 3951.89 |
| 3/3/2005 | 10:10 | 17.85 | 0.44 | 2,340 | 869,748 | 47 | 14.14 | 19.39 | 6.55 | | 3951.37 |
| 3/7/2005 | 11:35 | 17.97 | 0.12 | 2,933 | 870,341 | 47 | | | | | 3951.25 |
| 3/10/2005 | 9:51 | 18.03 | 0.7 | 3,337 | 870,745 | 48 | 13.91 | 22 | 6.71 | | 3951.19 |
| 3/14/2005 | 8:35 | 17.96 | 1.02 | 3,798 | 871,206 | 48 | | | | | 3951.26 |
| 3/17/2005 | 9:40 | 17.86 | 0.12 | 4,196 | 871,604 | 45 | 14.46 | 26.62 | 6.81 | | 3951.36 |
| 3/21/2005 | 8:55 | 17.82 | 1.21 | 4,836 | 872,244 | 45 | | | | | 3951.40 |
| 3/24/2005 | 10:08 | 17.91 | 1.27 | 9,060 | 876,468 | 44 | 14.35 | 27.42 | 6.56 | | 3951.31 |
| 3/28/2005 | 9:38 | 17.78 | 0.12 | 10,659 | 878,067 | 45 | | | | | 3951.44 |
| 3/31/2005 | 9:58 | 17.88 | 0.38 | 11,654 | 879,062 | 48 | 14.19 | 28.18 | 6.83 | | 3951.34 |
| 4/4/2005 | 9:34 | 17.68 | 0 | 14,861 | 882,269 | 0 | | | | Last reading 0.12 | 3951.54 |
| 4/7/2005 | 9:44 | 17.68 | | 14,966 | 882,374 | 0 | 14.66 | 26.24 | 6.96 | Last reading 0.12 | 3951.54 |
| 4/11/2005 | 11:10 | 17.5 | | 14,966 | 882,374 | 0 | | | | Last reading 0.12 | 3951.72 |
| 4/14/2005 | 3:25 | 16.78 | 0.06 | 14,999 | 882,407 | 48 | 15.99 | 25.97 | 6.91 | | 3952.44 |
| 4/18/2005 | 9:30 | 15.81 | 1.25 | 15,603 | 883,011 | 47 | | | | | 3953.41 |
| 4/27/2005 | 8:15 | | | | 867,408 | | | | | Restarted After New Vault Intsalled. New TOC | no data |
| 4/28/2005 | 10:21 | 10.23 | 0.83 | 17,258 | 884,666 | 44 | 7.45 | 16465 | 6.97 | | 3954.76 |
| 5/2/2005 | 2:15 | 10.61 | | 17,548 | 884,956 | 44 | | | | Last flow reading 0.83 | 3954.38 |
| 5/5/2005 | 9:55 | 10.55 | 0.62 | 40 | 867,448 | 46 | 15.79 | 18.35 | 7.22 | New meter | 3954.44 |
| 5/9/2005 | 8:56 | 10.41 | 0.92 | 4,783 | 872,191 | 46 | | | | | 3954.58 |
| 5/12/2005 | 9:20 | 9.93 | 0.76 | 8,027 | 875,435 | 51 | 15.07 | 15.65 | 7 | | 3955.06 |
| 5/16/2005 | 9:44 | 9.71 | 0.89 | 12,105 | 879,513 | 46 | | | | | 3955.28 |
| 5/19/2005 | 10:00 | 9.09 | 1.08 | 15,764 | 883,172 | 47 | 14.69 | 11.97 | 7.04 | | 3955.90 |
| 5/23/2005 | 9:40 | 5.98 | 1.35 | 17,528 | 884,936 | 46 | | | | | 3959.01 |
| 5/26/2005 | 11:19 | 4.54 | 1.38 | 22,975 | 890,383 | 47 | 13.9 | 5.906 | 7.05 | | 3960.45 |
| 5/31/2005 | 9:15 | 5.61 | 1.17 | 24,710 | 892,118 | 48 | | | | | 3959.38 |
| 6/2/2005 | 9:20 | 7.11 | 1.11 | 27,415 | 894,823 | 46 | 14.24 | 5.32 | 7.26 | | 3957.88 |
| 6/6/2005 | 9:11 | 7.52 | 1.28 | 32,793 | 900,201 | 48 | | | | | 3957.47 |
| 6/9/2005 | 9:40 | 7.98 | 1.27 | 36,881 | 904,289 | 48 | 14.42 | 12.15 | 7.13 | | 3957.01 |
| 6/13/2005 | 8:54 | 8.39 | 0.93 | 38,587 | 905,995 | 48 | | | | | 3956.60 |
| 6/16/2005 | 9:25 | 8.64 | 1.02 | 41,031 | 908,439 | 48 | 15.2 | 15.03 | 7.04 | | 3956.35 |
| 6/20/2005 | 9:32 | 8.39 | 1.09 | 46,102 | 913,510 | 48 | | | | | 3956.60 |
| 6/23/2005 | 10:10 | 7.85 | 0.99 | 46,625 | 914,033 | 48 | 19.35 | 13.03 | 6.93 | | 3957.14 |
| 6/27/2005 | 10:02 | 7.97 | 1.25 | 52,204 | 919,612 | 46 | | | | | 3957.02 |
| 6/30/2005 | 9:23 | 8.48 | 1.19 | 56,035 | 923,443 | 48 | 15.42 | 8.504 | 6.89 | | 3956.51 |
| 7/5/2005 | 9:54 | 9.13 | 1.18 | 62,809 | 930,217 | 48 | | | | | 3955.86 |
| 7/7/2005 | 9:15 | 9.45 | 1.18 | 65,485 | 932,893 | 48 | 15.7 | 19.98 | 6.84 | | 3955.54 |
| 7/11/2005 | 9:31 | 10.22 | 1.18 | 65,536 | | 44 | | | | | 3954.77 |
| 7/14/2005 | 10:00 | 10.84 | 1.36 | 70,941 | 942,349 | 46 | 16.17 | 24.73 | 7.06 | Total 1 not workintg | 3954.15 |
| 7/18/2005 | 10:40 | 11.29 | 1.19 | 77,844 | 949,246 | 46 | | | | Changed batteries | 3953.70 |
| 7/21/2005 | 11:30 | 11.61 | 1.17 | 82,855 | 954,257 | 50 | 16.7 | 27.39 | 6.33 | | 3953.38 |
| 7/25/2005 | 9:01 | 12.12 | 1.14 | 65,536 | | 48 | | | | | 3952.87 |
| 7/28/2005 | 10:40 | 12.251 | 1.12 | 65,536 | 963,707 | 46 | 16.66 | 24.631 | 6.69 | | 3952.74 |
| 8/1/2005 | 9:00 | 12.48 | 1.1 | 65,536 | | 48 | | | | Raw gallons s/b 76467 | 3952.51 |
| 8/4/2005 | 10:20 | 12.651 | 1.12 | 81,214 | 973,150 | 48 | 16.6 | 14.56 | 6.7 | | 3952.34 |
| 8/8/2005 | 9:42 | 12.69 | 1.15 | 87,491 | 979,427 | 48 | | | | | 3952.30 |
| 8/11/2005 | 8:41 | 12.83 | 1.12 | 92,242 | 984,178 | 48 | 16.43 | 26.36 | 6.84 | | 3952.16 |
| 8/15/2005 | 8:45 | 12.85 | 1.05 | 97,944 | 989,880 | 48 | | | | | 3952.14 |
| 8/18/2005 | 9:30 | 12.72 | 1.1 | 101,169 | 993,105 | 48 | 16.75 | 25.68 | 6.58 | | 3952.27 |
| 8/22/2005 | 10:00 | 13.11 | 1 | 107,716 | 999,652 | 48 | | | | | 3951.88 |
| 8/25/2005 | 9:55 | 12.94 | 0.63 | 110,691 | 1,002,627 | 0 | 17.57 | 24.58 | 6.62 | | 3952.05 |
| 8/29/2005 | 12:03 | 13:14 | 0.69 | 116,326 | 1,008,262 | 48 | | | | | 3964.44 |
| 9/1/2005 | 12:01 | 13.15 | 0.72 | 119,297 | 1,011,233 | 49 | 17.48 | 33.14 | 6.49 | | 3951.84 |
| 9/6/2005 | 11:12 | 13.38 | 0.78 | 126,333 | 1,018,269 | 49 | | | | | 3951.61 |
| 9/8/2005 | 13:34 | 13.4 | 0.8 | 128,788 | 1,020,724 | 49 | 16.81 | 27.86 | 6.76 | | 3951.59 |
| 9/12/2005 | 9:15 | 13.09 | 0.76 | 134,040 | 1,025,976 | 49 | | | | | 3951.90 |
| 9/15/2005 | 10:48 | 12.66 | | 137,541 | 1,029,477 | 48 | | | | Installing status box | 3952.33 |
| 9/19/2005 | 9:22 | 12.99 | | 137,541 | 1,029,477 | 48 | | | | Installing status box | 3952.00 |
| 9/22/2005 | 9:15 | 12.85 | 0.84 | 1 | 1,029,478 | 48 | 17.41 | 33.85 | 6.94 | | 3952.14 |
| 9/26/2005 | 9:34 | 13.19 | 0.9 | 4,881 | 1,034,358 | 48 | | | | Replaced...on 9/22 | 3951.80 |
| 9/29/2005 | 10:03 | 12.85 | 0.79 | 8,270 | 1,037,747 | 47 | 17.82 | 20.4 | 6.92 | | 3952.14 |
| 10/3/2005 | 9:50 | 12.81 | 0.78 | 12,310 | 1,041,787 | 50 | | | | | 3952.18 |
| 10/6/2005 | 9:40 | 13.01 | 0.76 | 15,330 | 1,044,807 | 48 | 17.46 | 21.62 | 7.09 | | 3951.98 |
| 10/10/2005 | 10:20 | 12.99 | 0.74 | 18,342 | 1,047,819 | 48 | | | | | 3952.00 |
| 10/13/2005 | 2:04 | 12.89 | 0.8 | 20,470 | 1,049,947 | 49 | 19.2 | 17.81 | 6.9 | | 3952.10 |
| 10/17/2005 | 9:10 | 13.03 | 0.72 | 23,035 | 1,052,512 | 48 | | | | | 3951.96 |
| 10/20/2005 | 9:08 | 13.21 | 0.99 | 26,336 | 1,055,813 | 48 | 17.47 | 10.18 | 6.92 | | 3951.78 |
| 10/24/2005 | 9:40 | 13.18 | 0.94 | 30,280 | 1,059,757 | 48 | | | | | 3951.81 |
| 10/27/2005 | 9:34 | 13.22 | 0.06 | 33,021 | 1,062,498 | 48 | 17.66 | 17.9 | 6.94 | | 3951.77 |
| 10/31/2005 | 9:40 | 13.22 | 0.99 | 36,785 | 1,066,262 | 48 | | | | | 3951.77 |
| 11/3/2005 | 9:10 | 13.19 | 1.01 | 40,161 | 1,069,638 | 48 | 17.49 | 15.89 | 7.11 | | 3951.80 |
| 11/7/2005 | 10:16 | 13.32 | 1.01 | 43,509 | 1,072,986 | 47 | | | | | 3951.67 |
| 11/10/2005 | 9:08 | 13.38 | 0.99 | 46,103 | 1,075,580 | 48 | 17.47 | 16.133 | 7 | | 3951.61 |
| 11/14/2005 | 9:38 | 13.41 | 0.99 | 50,872 | 1,080,349 | 48 | | | | | 3951.58 |
| 11/17/2005 | 10:10 | 13.45 | 1.03 | 54,613 | 1,084,090 | 48 | 17.35 | 17.297 | 7.01 | | 3951.54 |
| 11/23/2005 | 10:47 | 13.59 | 1.08 | 62,306 | 1,091,783 | 46 | 17.23 | 17.977 | 6.95 | | 3951.40 |
| 11/28/2005 | 10:25 | 13.65 | 1.01 | 65,536 | 1,095,013 | 48 | | | | | 3951.34 |
| 12/1/2005 | 9:15 | 14.66 | 1.03 | 69,904 | 1,099,381 | 48 | 17.05 | 18.656 | 6.9 | | 3950.33 |
| 12/5/2005 | 10:00 | 13.62 | 1.04 | 65,536 | | 48 | | | | | 3951.37 |
| 12/7/2005 | 9:50 | 13.62 | 1.04 | 65,536 | 1,106,980 | | 17.47 | 13.77 | 6.92 | System shut down for winter | 3951.37 |

| | | Well 475 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:54 | 19.67 | 2.09 | 8,770 | 1,005,387 | 45 | 14.23 | 16.78 | 6.66 | System Shut Down for Winter | 3949.79 |
| 12/27/2004 | 1:32 | 17.00 | | | | | | | | | 3952.46 |
| 1/26/2005 | 8:31 | 16.52 | | | | | | | | baseline samples collected | 3952.94 |
| 2/14/2005 | | | | 8,924 | 1,005,541 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:47 | 16.55 | 1.32 | | | 4 | | | | Spring 2005 startup | 3952.91 |
| 2/17/2005 | 11:39 | 17.50 | 0.95 | 3,738 | 1,009,279 | 58 | 14.91 | 15.87 | 6.78 | | 3951.96 |
| 2/21/2005 | 15:21 | 17.59 | 1.01 | 9,060 | 1,014,601 | 59 | 14.88 | 15.13 | 6.7 | | 3951.87 |
| 2/24/2005 | 10:51 | 17.61 | 1.01 | 11,744 | 1,017,285 | 59 | 13.68 | 14.58 | 6.69 | | 3951.85 |
| 2/28/2005 | 11:37 | 17.66 | 1.01 | 17,715 | 1,023,256 | 58 | 14.37 | 15.51 | 6.73 | New flow rate of 2.91 | 3951.80 |
| 3/3/2005 | 10:12 | 19.36 | 2.79 | 29,653 | 1,035,194 | 45 | 13.93 | 15.53 | 6.61 | | 3950.10 |
| 3/7/2005 | 11:39 | 19.55 | 2.79 | 46,152 | 1,051,693 | 44 | | | | | 3949.91 |
| 3/10/2005 | 10:00 | 19.58 | 2.79 | 58,120 | 1,063,661 | 45 | 14.12 | 17.06 | 6.75 | | 3949.88 |
| 3/14/2005 | 8:40 | 19.41 | 2.72 | 73,771 | 1,079,312 | 44 | | | | | 3950.05 |
| 3/17/2005 | 9:45 | 19.31 | 2.79 | 85,870 | 1,091,411 | 48 | 14.14 | 19.06 | 6.84 | | 3950.15 |
| 3/21/2005 | 9:45 | 19.31 | 2.79 | 101,780 | 1,107,321 | 45 | | | | | 3950.15 |
| 3/24/2005 | 10:00 | 19.56 | 3.04 | 113,975 | 1,119,516 | 42 | 14.26 | 19.85 | 6.64 | | 3949.90 |
| 3/28/2005 | 9:40 | 19.49 | 2.98 | 164,982 | 1,170,523 | 43 | | | | | 3949.97 |
| 3/31/2005 | 10:00 | 19.56 | 3.04 | 29,673 | 1,035,214 | 42 | 13.49 | 21.02 | 6.9 | | 3949.90 |
| 4/4/2005 | 9:35 | 19.28 | 2.98 | 46,328 | 1,051,869 | 45 | | | | | 3950.18 |
| 4/7/2005 | 9:47 | 18.60 | 2.91 | 58,883 | 1,064,424 | 45 | 14.28 | 18.16 | 7.02 | | 3950.86 |
| 4/11/2005 | 11:15 | 18.37 | 2.91 | 75,868 | 1,081,409 | 46 | | | | | 3951.09 |
| 4/14/2005 | 3:30 | 16.60 | 0 | 87,798 | 1,093,339 | 44 | | | | Power off at 2:00 for vault work | 3952.86 |
| 4/18/2005 | 9:35 | 15.54 | 0 | 87,798 | 1,093,339 | 45 | | | | Last read 2.91 | 3953.92 |
| 4/27/2005 | 8:15 | | | | 1,005,541 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:22 | 10.76 | 2.6 | 92,102 | 1,097,643 | 48 | 7.49 | 156.75 | 6.92 | | 3954.21 |
| 5/2/2005 | 2:15 | 11.25 | 2.53 | 106,993 | 1,112,534 | 47 | | | | | 3953.72 |
| 5/5/2005 | 9:57 | 10.41 | 2.53 | 117,104 | 1,122,645 | 48 | 14.55 | 17.39 | 7.12 | | 3954.56 |
| 5/9/2005 | 8:59 | 11.19 | 2.72 | 132,190 | 1,137,731 | 48 | | | | | 3953.78 |
| 5/12/2005 | 9:30 | 10.64 | 2.66 | 143,637 | 1,149,178 | 48 | 14.41 | 16.28 | 6.82 | | 3954.33 |
| 5/16/2005 | 9:45 | 10.35 | 2.53 | 158,210 | 1,163,751 | 47 | | | | | 3954.62 |
| 5/19/2005 | 10:02 | 9.69 | 2.66 | 169,385 | 1,174,926 | 47 | 14.51 | 13.1 | 6.89 | | 3955.28 |
| 5/23/2005 | 9:43 | 6.35 | 2.66 | 174,260 | 1,179,801 | 48 | | | | - | 3958.62 |
| 5/26/2005 | 11:21 | 4.93 | 2.66 | 185,728 | 1,191,269 | 47 | 14.11 | 6.451 | 6.86 | | 3960.04 |
| 5/31/2005 | 9:18 | 5.98 | 2.6 | 190,067 | 1,195,608 | 48 | | | | | 3958.99 |
| 6/2/2005 | 9:25 | 7.56 | 2.53 | 197,452 | 1,202,993 | 47 | 14.26 | 6.21 | 7.08 | | 3957.41 |
| 6/6/2005 | 9:13 | 7.96 | 2.6 | 212,504 | 1,218,045 | 48 | | | | | 3957.01 |
| 6/9/2005 | 9:45 | 8.45 | 2.66 | 223,941 | 1,229,482 | 48 | 14.47 | 12.06 | 7.03 | | 3956.52 |
| 6/13/2005 | 8:56 | 8.91 | 2.6 | 238,843 | 1,244,384 | 48 | | | | | 3956.06 |
| 6/16/2005 | 9:30 | 9.21 | 2.72 | 250,488 | 1,256,029 | 48 | 14.88 | 14.71 | 6.93 | | 3955.76 |
| 6/20/2005 | 9:35 | 8.92 | 2.53 | 264,856 | 1,270,397 | 48 | | | | | 3956.05 |
| 6/23/2005 | 10:12 | 8.38 | 2.6 | 276,050 | 1,281,591 | 48 | 15.06 | 13.4 | 6.89 | | 3956.59 |
| 6/27/2005 | 10:04 | 8.46 | 2.53 | 291,018 | 1,296,559 | 48 | | | | | 3956.51 |
| 6/30/2005 | 9:25 | 9.30 | 2.6 | 301,559 | 1,307,100 | 48 | 15.38 | 8.745 | 6.83 | | 3955.67 |
| 7/5/2005 | 9:56 | 9.68 | 2.24 | 318,878 | 1,324,419 | 48 | | | | | 3955.29 |
| 7/7/2005 | 9:18 | 10.01 | 2.41 | 325,720 | 1,331,261 | 48 | 15.54 | 19.09 | 6.77 | | 3954.96 |
| 7/11/2005 | 9:34 | 10.92 | 2.6 | 340,311 | 1,345,852 | 48 | | | | | 3954.05 |
| 7/14/2005 | 10:05 | 11.56 | 2.6 | 351,313 | 1,356,854 | 48 | 16.06 | 24.48 | 7.05 | | 3953.41 |
| 7/18/2005 | 10:42 | 12.14 | 2.47 | 366,514 | 1,372,055 | 48 | | | | | 3952.83 |
| 7/21/2005 | 11:35 | 12.62 | 2.47 | 377,420 | 1,382,961 | 48 | 16.46 | 15.47 | 6.27 | | 3952.35 |
| 7/25/2005 | 9:05 | 13.21 | 2.53 | 391,405 | 1,396,946 | 48 | | | | | 3951.76 |
| 7/28/2005 | 10:42 | 13.15 | 2.41 | 402,334 | 1,407,875 | 48 | 16.1 | 23.162 | 6.71 | | 3951.82 |
| 8/1/2005 | 9:05 | 13.59 | 2.47 | 416,215 | 1,421,756 | 48 | | | | | 3951.38 |
| 8/4/2005 | 10:25 | 13.85 | 2.34 | 427,234 | 1,432,775 | 48 | 16.18 | 25.82 | 6.75 | | 3951.12 |
| 8/8/2005 | 9:50 | 13.85 | 2.53 | 441,289 | 1,446,830 | 48 | | | | | 3951.12 |
| 8/11/2005 | 8:45 | 14.11 | 2.41 | 451,731 | 1,457,272 | 48 | 16.1 | 24.25 | 6.84 | | 3950.86 |
| 8/15/2005 | 8:48 | 14.11 | 2.47 | 465,609 | 1,471,150 | 48 | | | | | 3950.86 |
| 8/18/2005 | 9:35 | 13.91 | 2.47 | 473,040 | 1,478,581 | 48 | 16.3 | 23.99 | 6.59 | | 3951.06 |
| 8/22/2005 | 10:05 | 14.02 | 2.41 | 487,376 | 1,492,917 | 50 | | | | | 3950.95 |
| 8/25/2005 | 10:07 | 13.96 | 2.22 | 497,170 | 1,502,711 | 0 | 16.54 | 22.3 | 6.64 | | 3951.01 |
| 8/29/2005 | 12:06 | 14.28 | 2.22 | 511,412 | 1,516,953 | 48 | | | | | 3950.69 |
| 9/1/2005 | 12:05 | 14.25 | 2.22 | 520,859 | 1,526,400 | 48 | 16.58 | 27.5 | 6.52 | | 3950.72 |
| 9/6/2005 | 11:15 | 14.65 | 2.09 | 537,598 | 1,543,139 | 49 | | | | | 3950.32 |
| 9/8/2005 | 13:39 | 14.60 | 2.22 | 544,342 | 1,549,883 | 48 | 16.42 | 22.24 | 6.85 | | 3950.37 |
| 9/12/2005 | 9:18 | 14.10 | 2.15 | 557,140 | 1,562,681 | 48 | | | | | 3950.87 |
| 9/15/2005 | 10:50 | 13.22 | 2.28 | 560,360 | 1,565,901 | 48 | 16.52 | 20.92 | 7 | | 3951.75 |
| 9/19/2005 | 9:25 | 14.28 | 2.34 | 574,129 | 1,579,670 | 48 | | | | | 3950.69 |
| 9/22/2005 | 9:20 | 13.92 | 2.34 | 584,199 | 1,589,740 | 48 | 16.9 | 23.06 | 6.97 | | 3951.05 |
| 9/22/2005 | 9:36 | 14.34 | 2.34 | 597,597 | 1,603,138 | 48 | | | | | 3950.63 |
| 9/29/2005 | 10:13 | 13.92 | 2.34 | 607,626 | 1,613,167 | 48 | 16.99 | 16.95 | 6.93 | | 3951.05 |
| 10/3/2005 | 9:52 | 13.89 | 2.28 | 620,873 | 1,626,414 | 48 | | | | | 3951.08 |
| 10/6/2005 | 9:45 | 14.10 | 2.28 | 630,719 | 1,636,260 | 49 | 16.75 | 19.05 | 7.12 | | 3950.87 |
| 10/10/2005 | 10:22 | 14.01 | 2.22 | 644,034 | 1,649,575 | 48 | | | | | 3950.96 |
| 10/13/2005 | 2:00 | 13.92 | 2.28 | 654,550 | 1,660,091 | 48 | 17.8 | 16.2 | 6.89 | | 3951.05 |
| 10/17/2005 | 9:13 | 14.09 | 2.22 | 666,891 | 1,672,432 | 48 | | | | | 3950.88 |
| 10/20/2005 | 9:12 | 14.44 | 2.6 | 677,768 | 1,683,309 | 48 | 16.94 | 14.12 | 6.95 | | 3950.53 |
| 10/24/2005 | 9:41 | 14.41 | 2.6 | 692,983 | 1,698,524 | 48 | | | | | 3950.56 |
| 10/27/2005 | 9:36 | 14.49 | 2.6 | 704,253 | 1,709,794 | 48 | 17.11 | 16.18 | 6.96 | | 3950.48 |
| 10/31/2005 | 9:42 | 14.45 | 2.53 | 719,325 | 1,724,866 | 48 | | | | | 3950.52 |
| 11/3/2005 | 9:12 | 14.41 | 2.6 | 730,431 | 1,735,972 | 48 | 17.1 | 14.12 | 7.1 | | 3950.56 |
| 11/7/2005 | 10:19 | 14.60 | 2.66 | 745,690 | 1,751,231 | 48 | | | | | 3950.37 |
| 11/10/2005 | 9:10 | 14.68 | 2.6 | 756,738 | 1,762,279 | 48 | 17.12 | 14.56 | 6.95 | | 3950.29 |
| 11/14/2005 | 9:40 | 14.72 | 2.6 | 771,862 | 1,777,403 | 48 | | | | | 3950.25 |
| 11/17/2005 | 10:13 | 14.78 | 7.6 | 783,202 | 1,788,743 | 48 | 16.87 | 15.193 | 7.03 | | 3950.19 |
| 11/23/2005 | 10:48 | 15.02 | 2.66 | 805,805 | 1,811,346 | 48 | 16.82 | 15.719 | 6.9 | | 3949.95 |
| 11/28/2005 | 10:28 | 15.12 | 2.66 | 824,978 | 1,830,519 | 47 | | | | | 3949.85 |
| 12/1/2005 | 9:20 | 15.13 | 2.66 | 836,242 | 1,841,783 | 48 | 16.58 | 15.933 | 6.84 | | 3949.84 |
| 12/5/2005 | 10:03 | 15.11 | 2.66 | 851,507 | 1,857,048 | 48 | | | | | 3949.86 |
| 12/7/2005 | 9:50 | 15.11 | 2.66 | 859,065 | 1,864,606 | | 16.97 | 16.01 | 6.89 | System shut down for winter | 3949.86 |

| | | Well 476 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 9:58 | 20.92 | 1.65 | 604,622 | 604,622 | 44 | 14.02 | 14.28 | 6.67 | System Shut Down for Winter | 3948.56 |
| 12/27/2004 | 1:32 | 17.00 | | | | | | | | | 3952.48 |
| 1/26/2005 | 9:06 | 16.56 | | | | | | | | baseline samples collected | 3952.92 |
| 2/14/2005 | | | | 604,729 | 604,729 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:50 | 16.57 | 1.23 | | | 62 | | | | Spring 2005 startup | 3952.91 |
| 2/17/2005 | 11:46 | 17.95 | | 302 | 605,031 | 61 | 14.59 | 15.15 | 6.84 | Adjusted flow to .90-84 | 3951.53 |
| 2/21/2005 | 15:24 | 18.00 | | 307 | 605,036 | 62 | 14.99 | 14.39 | 6.71 | Flow showing 0 | 3951.48 |
| 2/24/2005 | 10:58 | 18.05 | | 457 | 605,186 | 61 | 14.05 | 14.14 | 6.75 | Flow rate below threshold | 3951.43 |
| 2/28/2005 | 11:39 | 18.11 | 2.555 | 460 | 605,189 | 62 | 14.42 | 15.08 | 6.76 | New flow rate of 2.71 | 3951.37 |
| 3/3/2005 | 10:14 | 19.85 | | 8,516 | 613,245 | 45 | 12.14 | 14.95 | 6.62 | Flow rate below threshold | 3949.63 |
| 3/7/2005 | 11:37 | 20.52 | 2.84 | 13,846 | 618,575 | 46 | | | | | 3948.96 |
| 3/10/2005 | 10:02 | 20.49 | 2.45 | 16,799 | 621,528 | 45 | 13.86 | 15.67 | 6.76 | | 3948.99 |
| 3/14/2005 | 8:48 | 17.52 | | 21,149 | 625,878 | 45 | | | | Meter shows no flow | 3951.96 |
| 3/17/2005 | 9:55 | 20.87 | 2.45 | 25,104 | 629,833 | 43 | 14.01 | 17.91 | 6.84 | | 3948.61 |
| 3/21/2005 | 9:46 | 17.63 | | 31,357 | 636,086 | 45 | | | | Meter shows no flow | 3951.85 |
| 3/24/2005 | 10:02 | 19.69 | 2.52 | 36,461 | 641,190 | 43 | 13.6 | 18.28 | 6.69 | | 3949.79 |
| 3/28/2005 | 9:42 | 20.18 | 2.82 | 42,509 | 647,238 | 47 | | | | | 3949.30 |
| 3/31/2005 | 10:01 | 17.55 | 0 | 47,829 | 652,558 | 46 | 12.97 | 18.27 | 6.9 | Last reading 2.52 | 3951.93 |
| 4/4/2005 | 9:36 | 17.49 | 0 | 55,052 | 659,781 | 44 | | | | Last reading 2.52 | 3951.99 |
| 4/7/2005 | 9:51 | 17.50 | 3.1 | 61,238 | 665,967 | 47 | 13.76 | 16.66 | 7.02 | | 3951.98 |
| 4/11/2005 | 11:20 | 20.52 | 2.97 | 75,230 | 679,959 | 47 | | | | | 3948.96 |
| 4/14/2005 | | | | | 604,729 | | | | | Power off at 8:00 for vault work | no data |
| 4/18/2005 | | | | | 604,729 | | | | | Power off for vault installation | no data |
| 4/26/2005 | 9:20 | | | | 604,729 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:18 | 11.76 | 2.71 | 86,952 | 691,681 | 46 | 13.55 | 12.78 | 6.94 | | 3953.48 |
| 5/2/2005 | 2:15 | 11.98 | 2.45 | 101,162 | 705,891 | 46 | | | | | 3953.26 |
| 5/5/2005 | 10:00 | 12.22 | 2.52 | 110,835 | 715,564 | 46 | 13.72 | 15.13 | 7.1 | | 3953.02 |
| 5/9/2005 | 9:00 | 11.92 | 2.65 | 122,799 | 727,528 | 46 | | | | | 3953.32 |
| 5/12/2005 | 9:32 | 11.28 | 2.71 | 133,719 | 738,448 | 46 | 13.56 | 13.89 | 6.83 | | 3953.96 |
| 5/16/2005 | 9:46 | 10.95 | 2.52 | 147,549 | 752,278 | 48 | | | | | 3954.29 |
| 5/19/2005 | 10:10 | 10.27 | 2.58 | 158,116 | 762,845 | 46 | 13.74 | 11.38 | 6.87 | | 3954.97 |
| 5/23/2005 | 9:45 | 6.73 | 2.65 | 162,932 | 767,661 | 46 | | | | | 3958.51 |
| 5/26/2004 | 11:24 | 5.43 | 2.91 | 175,495 | 780,224 | 47 | 13.42 | 5.587 | 6.87 | | 3959.81 |
| 5/31/2005 | 9:20 | 6.46 | 2.71 | 180,290 | 785,019 | 50 | | | | | 3958.78 |
| 6/2/2005 | 9:28 | 8.2 | 2.58 | 187,654 | 792,383 | 48 | 13.59 | 6.32 | 7.1 | | 3957.04 |
| 6/6/2005 | 9:15 | 8.56 | 2.78 | 202,784 | 807,513 | 48 | | | | | 3956.68 |
| 6/9/2005 | 9:50 | 8.98 | 2.91 | 215,176 | 819,905 | 50 | 13.98 | 12.41 | 7 | | 3956.26 |
| 6/13/2005 | 8:58 | 9.42 | 2.26 | 227,926 | 832,655 | 48 | | | | | 3955.82 |
| 6/16/2005 | 9:35 | 9.74 | 2.33 | 237,957 | 842,686 | 48 | 14.43 | 13.83 | 6.99 | | 3955.50 |
| 6/20/2005 | 9:38 | 9.52 | 2.45 | 251,436 | 856,165 | 46 | | | | | 3955.72 |
| 6/23/2005 | 10:15 | 8.94 | 2.52 | 262,172 | 866,901 | 48 | 14.7 | 12.89 | 6.82 | | 3956.30 |
| 6/27/2005 | 10:05 | 9.06 | 2.58 | 276,519 | 881,248 | 48 | | | | | 3956.18 |
| 6/30/2005 | 9:30 | 9.68 | 2.52 | 286,827 | 891,556 | 48 | 14.99 | 7.992 | 6.59 | | 3955.56 |
| 7/5/2005 | 10:00 | 10.35 | 2.58 | 304,944 | 909,673 | 48 | | | | | 3954.89 |
| 7/7/2005 | 9:20 | 10.71 | 2.58 | 312,336 | 917,065 | 48 | 15.51 | 10.92 | 6.47 | | 3954.53 |
| 7/11/2005 | 9:36 | 11.71 | 2.65 | 327,592 | 932,321 | 48 | | | | | 3953.53 |
| 7/14/2005 | 10:07 | 12.36 | 2.58 | 339,044 | 943,773 | 46 | 15.54 | 24.4 | 6.98 | | 3952.88 |
| 7/18/2005 | 10:44 | 13.5 | 2.39 | 354,078 | 958,807 | 46 | | | | | 3951.74 |
| 7/21/2005 | 11:40 | 13.59 | 2.45 | 364,776 | 969,505 | 50 | 15.91 | 24.55 | 6.29 | | 3951.65 |
| 7/25/2005 | 9:08 | 13.86 | 2.52 | 378,674 | 983,403 | 48 | | | | | 3951.38 |
| 7/28/2005 | 10:45 | 14.11 | 2.33 | 389,492 | 994,221 | 46 | 15.81 | 20.353 | 6.71 | | 3951.13 |
| 8/1/2005 | 9;15 | 14.61 | 2.39 | 402,897 | 1,007,626 | 48 | | | | | 3950.63 |
| 8/4/2005 | 10:30 | 15.02 | 2.45 | 413,245 | 1,017,974 | 50 | 15.78 | 22.5 | 6.68 | | 3950.22 |
| 8/8/2005 | 9:55 | 15.14 | 2.45 | 427,006 | 1,031,735 | 50 | | | | | 3950.10 |
| 8/11/2005 | 8:50 | 14.32 | 2.39 | 437,153 | 1,041,882 | 48 | 15.86 | 10.94 | 6.87 | | 3950.92 |
| 8/15/2005 | 8:50 | 14.51 | 2.39 | 450,987 | 1,055,716 | 49 | | | | | 3950.73 |
| 8/18/2005 | 9:40 | 14.61 | 2.33 | 458,182 | 1,062,911 | 44 | 15.91 | 18.6 | 6.59 | | 3950.63 |
| 8/22/2005 | 10:10 | 14.44 | 2.07 | 470,912 | 1,075,641 | 46 | | | | | 3950.80 |
| 8/25/2005 | 10:27 | 13.58 | 1.94 | 479,530 | 1,084,259 | 0 | 16.04 | 17.71 | 6.66 | | 3951.66 |
| 8/29/2005 | 12:08 | 14.87 | 1.94 | 492,017 | 1,096,746 | 50 | | | | | 3950.37 |
| 9/1/2005 | 12:09 | 15.7 | 2 | 500,371 | 1,105,100 | 52 | 16.2 | 23.21 | 6.5 | | 3949.54 |
| 9/6/2005 | 11:20 | 15.82 | 2.07 | 514,836 | 1,119,565 | 50 | | | | | 3949.42 |
| 9/8/2005 | 13:45 | 15.9 | 2 | 520,980 | 1,125,709 | 52 | 16.59 | 18.66 | 6.79 | | 3949.34 |
| 9/12/2005 | 9:20 | 14.55 | 2.26 | 533,630 | 1,138,359 | 50 | | | | | 3950.69 |
| 9/15/2005 | 10:55 | 12.69 | 2.39 | 537,668 | 1,142,397 | 48 | 16.55 | 16.54 | 6.87 | | 3952.55 |
| 9/19/2005 | 9:28 | 14.63 | 2.2 | 551,045 | 1,155,774 | 49 | | | | | 3950.61 |
| 9/22/2005 | 9:23 | 15.21 | 2.2 | 560,717 | 1,165,446 | 50 | 16.59 | 19.8 | 6.93 | | 3950.03 |
| 9/26/2005 | 9:38 | 15.42 | 2.13 | 573,327 | 1,178,056 | 51 | | | | | 3949.82 |
| 9/29/2005 | 10:46 | 14.56 | 2 | 582,459 | 1,187,188 | 50 | 16.74 | 13.86 | 6.93 | | 3950.68 |
| 10/3/2005 | 9:55 | 15.02 | 2.26 | 594,399 | 1,199,128 | 51 | | | | | 3950.22 |
| 10/6/2005 | 9:50 | 13.81 | 1.72 | 603,801 | 1,208,530 | 48 | 16.51 | 16.85 | 7 | | 3951.43 |
| 10/10/2005 | 10:25 | 15.12 | 2.2 | 616,352 | 1,221,081 | 51 | | | | | 3950.12 |
| 10/13/2005 | 1:58 | 14.94 | 2.2 | 626,279 | 1,231,008 | 52 | 17.3 | 13.43 | 6.89 | | 3950.30 |
| 10/17/2005 | 9:15 | 15.29 | 2.2 | 638,103 | 1,242,832 | 52 | | | | | 3949.95 |
| 10/20/2005 | 9:14 | 15.02 | 2.52 | 648,630 | 1,253,359 | 50 | 16.61 | 10.02 | 6.93 | | 3950.22 |
| 10/24/2005 | 9:43 | 15.11 | 2.65 | 663,649 | 1,268,378 | 50 | | | | | 3950.13 |
| 10/27/2005 | 9:38 | 14.42 | 2.52 | 674,663 | 1,279,392 | 49 | 16.81 | 14.26 | 6.9 | | 3950.82 |
| 10/31/2005 | 9;45 | 15.68 | 2.58 | 689,209 | 1,293,938 | 48 | | | | | 3949.56 |
| 11/3/2005 | 9:14 | 14.82 | 2.58 | 700,456 | 1,305,185 | 46 | 16.89 | 12.34 | 7.06 | | 3950.42 |
| 11/7/2005 | 10:21 | 15.03 | 2.52 | 714,902 | 1,319,631 | 47 | | | | | 3950.21 |
| 11/10/2005 | 9:12 | 14.61 | 2.45 | 724,757 | 1,329,486 | 46 | 16.86 | 13.66 | 6.97 | | 3950.63 |
| 11/14/2005 | 9:43 | 15.11 | 2.39 | 738,011 | 1,342,740 | 46 | | | | | 3950.13 |
| 11/17/2005 | 10:15 | 15.29 | 2.33 | 747,406 | 1,352,135 | 47 | 16.73 | 13.974 | 7.02 | | 3949.95 |
| 11/23/2005 | 10:50 | 14.59 | 2.26 | 76,307 | 681,036 | 46 | 16.79 | 14.302 | 6.85 | | 3950.65 |
| 11/28/2005 | 10:30 | 15.19 | 2.71 | 775,316 | 1,380,045 | 44 | | | | | 3950.05 |
| 12/1/2005 | 8:25 | 15.24 | 2.32 | 782,448 | 1,387,177 | 44 | 16.39 | 13.998 | 6.82 | | 3950.00 |
| 12/5/2005 | 10:06 | 15.63 | 2 | 791,250 | 1,395,979 | 42 | | | | | 3949.61 |
| 12/7/2005 | 9;50 | 15.63 | 2 | 796,184 | 1,400,913 | | 16.74 | 14.22 | 6.91 | System shut down for winter | 3949.61 |

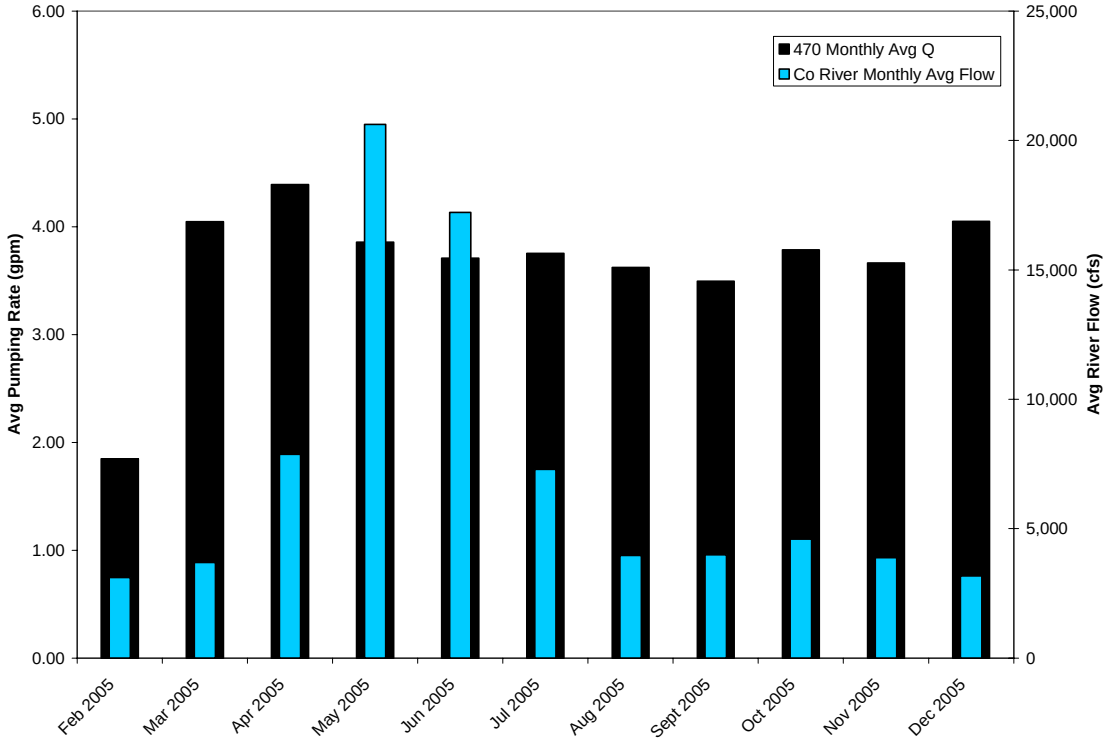
| | | Well 477 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 10:01 | 18.73 | 1.6 | 169,651 | 762,594 | 44 | 14.29 | 14.97 | 6.6 | System Shut Down for Winter | 3950.67 |
| 12/27/2004 | 1:33 | 16.75 | | | | | | | | | 3952.65 |
| 1/26/2005 | 9:38 | 16.30 | | | | | | | | baseline samples collected | 3953.10 |
| 2/14/2005 | | | | 169,775 | 762,718 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:53 | 16.32 | 1.53 | | | 22 | | | | Spring 2005 startup | 3953.08 |
| 2/17/2005 | 11:52 | 17.28 | | 2,400 | 765,118 | 22 | 15.45 | 14.69 | 6.78 | Adjusted flow to 1.08/Flow rate below threshold | 3952.12 |
| 2/21/2005 | 15:29 | 17.42 | 0.25 | 3,033 | 765,751 | 21 | 15.22 | 14.39 | 6.7 | | 3951.98 |
| 2/24/2005 | 11:01 | 17.45 | 0.38 | 4,449 | 767,167 | 24 | 14.74 | 14.21 | 6.79 | | 3951.95 |
| 2/28/2005 | 11:40 | 17.42 | 0.12 | 6,083 | 768,801 | 24 | 14.95 | 14 | 6.78 | New flow rate of 2.84 | 3951.98 |
| 3/3/2005 | 10:16 | 18.71 | 2.37 | 15,994 | 778,712 | 23 | 14.18 | 14.15 | 6.62 | | 3950.69 |
| 3/7/2005 | 11:42 | 18.90 | 2.03 | 29,232 | 791,950 | 28 | | | | | 3950.50 |
| 3/10/2005 | 10:03 | 18.92 | 2.24 | 38,835 | 801,553 | 24 | 14.4 | 15.51 | 6.75 | | 3950.48 |
| 3/14/2005 | 8:52 | 18.82 | 2.24 | 51,626 | 814,344 | 28 | | | | | 3950.58 |
| 3/17/2005 | 10:00 | 18.57 | 2.3 | 61,498 | 824,216 | 29 | 14.28 | 16.64 | 6.83 | | 3950.83 |
| 3/21/2005 | 9:48 | 18.76 | 2.24 | 73,990 | 836,708 | 28 | | | | | 3950.64 |
| 3/24/2005 | 10:05 | 19.29 | 2.81 | 84,682 | 847,400 | 29 | 14.05 | 16.34 | 6.62 | | 3950.11 |
| 3/28/2005 | 9:45 | 19.25 | 2.81 | 100,764 | 863,482 | 32 | | | | | 3950.15 |
| 3/31/2005 | 10:05 | 19.32 | 2.68 | 113,188 | 875,906 | 30 | 13.88 | 16.85 | 6.81 | | 3950.08 |
| 4/4/2005 | 9:37 | 19.12 | 2.81 | 128,816 | 891,534 | 30 | | | | | 3950.28 |
| 4/7/2005 | 9:55 | 19.13 | 2.68 | 140,474 | 903,192 | 30 | 13.94 | 15.19 | 7.02 | | 3950.27 |
| 4/11/2005 | 11:25 | 18.42 | 2.68 | 156,252 | 918,970 | 30 | | | | | 3950.98 |
| 4/14/2005 | | | | | | | | | | Power off at 8:00 for vault work | no data |
| 4/18/2005 | | | | | | | | | | Power off for vault installation | no data |
| 4/26/2005 | 8:00 | | | | | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:19 | 10.89 | | 166,611 | 929,329 | 48 | 12.88 | 12.1 | 6.9 | Last reading 2.68 | 3954.19 |
| 5/2/2005 | 2:15 | 11.17 | 2.04 | 179,314 | 942,032 | 49 | | | | | 3953.91 |
| 5/5/2005 | 10:04 | 11.32 | 1.98 | 187,315 | 950,033 | 48 | 13.4 | 13.97 | 7.08 | | 3953.76 |
| 5/9/2005 | 9:05 | 11.9 | 2.17 | 199,456 | 962,174 | 48 | | | | | 3953.18 |
| 5/12/2005 | 9:35 | 10.55 | 2.04 | 208,297 | 971,015 | 48 | 13.23 | 13.54 | 6.83 | | 3954.53 |
| 5/16/2005 | 9:48 | 10.32 | 2.04 | 220,285 | 983,003 | 48 | | | | | 3954.76 |
| 5/19/2005 | 10:15 | 9.72 | 1.98 | 229,104 | 991,822 | 48 | 13.46 | 12.7 | 6.9 | | 3955.36 |
| 5/23/2005 | 9:48 | 6.37 | 2.11 | 232,947 | 995,665 | 48 | | | | | 3958.71 |
| 5/26/2005 | 11:26 | 5.05 | 2.3 | 242,643 | 1,005,361 | 49 | 12.95 | 6.107 | 6.96 | | 3960.03 |
| 5/31/2005 | 9:22 | 6.14 | 2.24 | 246,465 | 1,009,183 | 48 | | | | | 3958.94 |
| 6/2/2005 | 9:30 | 7.64 | 2.24 | 252,905 | 1,015,623 | 48 | 13.42 | 6.78 | 7.17 | | 3957.44 |
| 6/6/2005 | 9:18 | 7.98 | 1.92 | 263,641 | 1,026,359 | 48 | | | | | 3957.10 |
| 6/9/2005 | 9:55 | 8.39 | 1.98 | 271,985 | 1,034,703 | 50 | 13.99 | 13.53 | 6.99 | | 3956.69 |
| 6/13/2005 | 9:00 | 8.92 | 1.92 | 282,771 | 1,045,489 | 48 | | | | | 3956.16 |
| 6/16/2005 | 9:40 | 9.18 | 1.98 | 291,055 | 1,053,773 | 48 | 14.48 | 14.99 | 6.89 | | 3955.90 |
| 6/20/2005 | 9:40 | 8.95 | 1.98 | 301,961 | 1,064,679 | 48 | | | | | 3956.13 |
| 6/23/2005 | 10:18 | 8.43 | 2.11 | 310,787 | 1,073,505 | 48 | 14.8 | 14.59 | 6.78 | | 3956.65 |
| 6/27/2005 | 10:06 | 8.53 | 2.04 | 322,047 | 1,084,765 | 48 | | | | | 3956.55 |
| 6/30/2005 | 9:35 | 9.9 | 2.04 | 331,224 | 1,093,942 | 48 | 14.85 | 16.72 | 6.63 | | 3955.18 |
| 7/5/2005 | 10:02 | 9.66 | 1.92 | 344,691 | 1,107,409 | 50 | | | | | 3955.42 |
| 7/7/2005 | 9:23 | 9.92 | 1.92 | 350,039 | 1,112,757 | 48 | 15.27 | 19.55 | 6.51 | | 3955.16 |
| 7/11/2005 | 9:38 | 10.72 | 1.98 | 361,450 | 1,124,168 | 50 | | | | | 3954.36 |
| 7/14/2005 | 10:10 | 11.25 | 2.04 | 368,933 | 1,131,651 | 48 | 15.4 | 23.28 | 6.96 | | 3953.83 |
| 7/18/2005 | 10:46 | 11.82 | 1.85 | 381,183 | 1,143,901 | 48 | | | | | 3953.26 |
| 7/21/2005 | 11:45 | 12.19 | 1.79 | 389,230 | 1,151,948 | 50 | 16.04 | 24.49 | 6.25 | | 3952.89 |
| 7/25/2005 | 9:12 | 12.63 | 1.85 | 399,451 | 1,162,169 | 48 | | | | | 3952.45 |
| 7/28/2005 | 10:47 | 12.77 | 1.79 | 407,413 | 1,170,131 | 48 | 15.94 | 20.215 | 6.71 | | 3952.31 |
| 8/1/2005 | 9:2 | 12.89 | 1.79 | 417,545 | 1,180,263 | 48 | | | | | 3952.19 |
| 8/4/2005 | 10:35 | 13.11 | 1.79 | 425,330 | 1,188,048 | 48 | 15.74 | 21.02 | 6.76 | | 3951.97 |
| 8/8/2005 | 10:00 | 13.15 | 1.79 | 435,486 | 1,198,204 | 48 | | | | | 3951.93 |
| 8/11/2005 | 8:53 | 13.35 | 1.79 | 443,009 | 1,205,727 | 48 | 15.99 | 11.29 | 6.78 | | 3951.73 |
| 8/15/2005 | 8:52 | 13.45 | 1.85 | 453,223 | 1,215,941 | 48 | | | | | 3951.63 |
| 8/18/2005 | 9:45 | 13.31 | 1.79 | 458,706 | 1,221,424 | 48 | 16.13 | 10.18 | 6.61 | | 3951.77 |
| 8/22/2005 | 10:15 | 13.51 | 1.66 | 469,003 | 1,231,721 | 49 | | | | | 3951.57 |
| 8/25/2005 | 10:36 | 13.4 | 1.4 | 475,507 | 1,238,225 | 0 | 16.24 | 18.08 | 6.61 | | 3951.68 |
| 8/29/2005 | 12:10 | 13.59 | 1.53 | 485,565 | 1,248,283 | 48 | | | | | 3951.49 |
| 9/1/2005 | 12:15 | 13.65 | 1.6 | 492,081 | 1,254,799 | 48 | 16.26 | 23.78 | 6.52 | | 3951.43 |
| 9/6/2005 | 11:23 | 13.89 | 1.53 | 504,454 | 1,267,172 | 48 | | | | | 3951.19 |
| 9/8/2005 | 13:52 | 13.95 | 1.6 | 509,285 | 1,272,003 | 48 | 16.42 | 19.87 | 6.79 | | 3951.13 |
| 9/12/2005 | 9:22 | 13.62 | 1.66 | 519,115 | 1,281,833 | 48 | | | | | 3951.46 |
| 9/15/2005 | 11:00 | 12.41 | 1.79 | 521,704 | 1,284,422 | 48 | 16.49 | 23.24 | 6.89 | | 3952.67 |
| 9/19/2005 | 9:30 | 13.82 | 1.72 | 532,147 | 1,294,865 | 48 | | | | | 3951.26 |
| 9/22/2005 | 9:30 | 13.61 | 1.72 | 539,862 | 1,302,580 | 48 | 16.7 | 22.2 | 6.99 | | 3951.47 |
| 9/26/2005 | 9:40 | 13.91 | 1.79 | 550,075 | 1,312,793 | 47 | | | | | 3951.17 |
| 9/29/2005 | 10:57 | 13.65 | 1.72 | 557,818 | 1,320,536 | 47 | 16.8 | 16.17 | 6.86 | | 3951.43 |
| 10/3/2005 | 9:58 | 13.61 | 1.75 | 567,766 | 1,330,484 | 48 | | | | | 3951.47 |
| 10/6/2005 | 9:55 | 15.1 | 2.74 | 575,326 | 1,338,044 | 52 | 16.19 | 23.55 | 6.95 | | 3949.98 |
| 10/10/2005 | 10:28 | 13.71 | 1.85 | 585,612 | 1,348,330 | 48 | | | | | 3951.37 |
| 10/13/2005 | 1:55 | 13.65 | 1.79 | 593,751 | 1,356,469 | 48 | 17.6 | 15.62 | 6.84 | | 3951.43 |
| 10/17/2005 | 9:20 | 13.76 | 1.79 | 603,621 | 1,366,339 | 47 | | | | | 3951.32 |
| 10/20/2005 | 9:16 | 13.91 | 1.85 | 611,829 | 1,374,547 | 47 | 16.68 | 10.42 | 6.96 | | 3951.17 |
| 10/24/2005 | 9:45 | 13.88 | 1.85 | 622,432 | 1,385,150 | 48 | | | | | 3951.20 |
| 10/27/2005 | 9:40 | 13.91 | 1.85 | 630,361 | 1,393,079 | 48 | 16.96 | 16.75 | 6.91 | | 3951.17 |
| 10/31/2005 | 9:47 | 13.92 | 1.85 | 641,112 | 1,403,830 | 48 | | | | | 3951.16 |
| 11/3/2005 | 9:16 | 13.87 | 1.85 | 649,043 | 1,411,761 | 48 | 16.9 | 12.92 | 7.11 | | 3951.21 |
| 11/7/2005 | 10:24 | 14.04 | 1.92 | 660,009 | 1,422,727 | 48 | | | | | 3951.04 |
| 11/10/2005 | 9:14 | 14.12 | 1.85 | 668,030 | 1,430,748 | 48 | 16.95 | 14.439 | 6.98 | | 3950.96 |
| 11/14/2005 | 9:45 | 14.12 | 1.98 | 679,977 | 1,442,695 | 48 | | | | | 3950.96 |
| 11/17/2005 | 10:18 | 14.15 | 1.92 | 687,210 | 1,449,928 | 48 | 16.7 | 14.398 | 7 | | 3950.93 |
| 11/23/2005 | 10:51 | 14.25 | 1.92 | 703,744 | 1,466,462 | 47 | 16.82 | 14.031 | 6.95 | | 3950.83 |
| 11/28/2005 | 10:32 | 14.31 | 1.92 | 717,575 | 1,480,293 | 47 | | | | | 3950.77 |
| 12/1/2005 | 9:30 | 14.32 | 1.98 | 725,001 | 1,487,719 | 47 | 16.58 | 13.319 | 6.91 | | 3950.76 |
| 12/5/2005 | 10:07 | 14.34 | 1.98 | 737,143 | 1,499,861 | 48 | | | | | 3950.74 |
| 12/7/2005 | 9:50 | 14.35 | 1.98 | 742,757 | 1,505,475 | | 17.03 | 13.28 | 6.94 | System shut down for winter | 3950.73 |

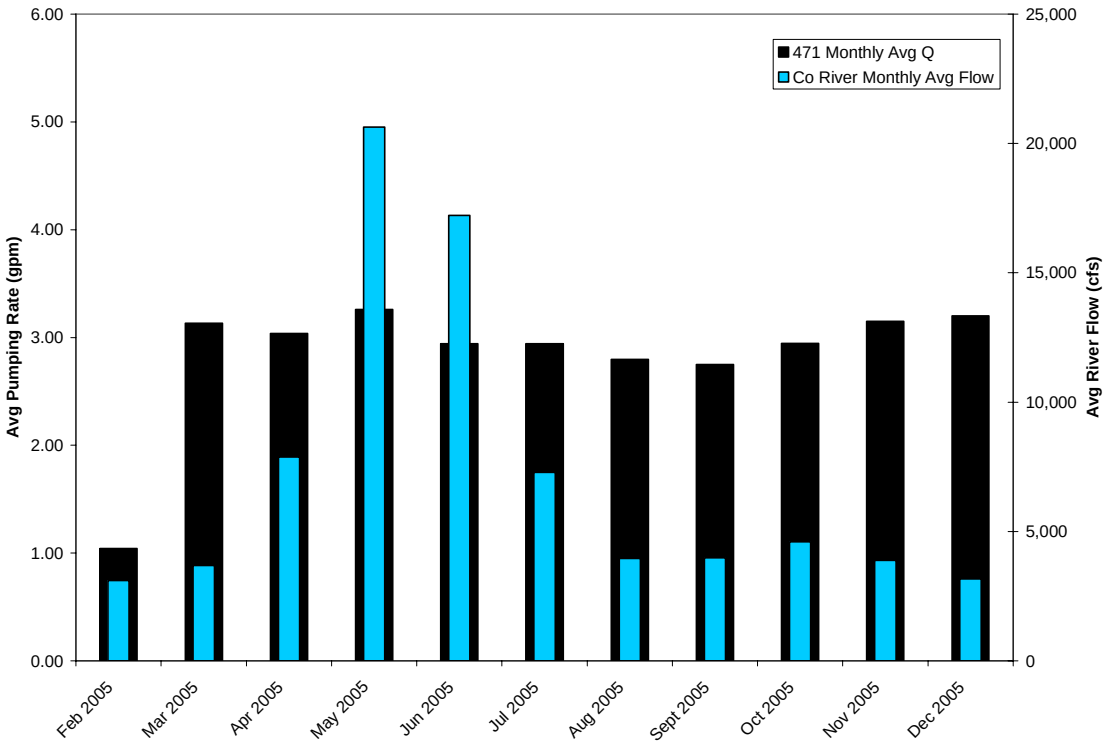
| | | Well 478 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 10:06 | | 2.23 | 342,219 | 842,125 | 116 | 14.87 | 18.98 | 6.64 | System Shut Down for Winter | no data |
| 12/27/2004 | 1:34 | 16.72 | | | | | | | | | 3952.77 |
| 1/26/2005 | 10:11 | 16.29 | | | | | | | | baseline samples collected | 3953.20 |
| 2/14/2005 | | | | 324,321 | 824,227 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:55 | 16.32 | 1.34 | | | 125 | | | | Spring 2005 startup | 3953.17 |
| 2/17/2005 | 11:59 | 17.58 | | 864 | 825,091 | 120 | 15.94 | 16.18 | 6.89 | Adjusted flow to 1.08/Flow rate below threshold | 3951.91 |
| 2/21/2005 | 15:33 | 17.73 | 1.15 | 4,425 | 828,652 | 125 | 15.32 | 16.75 | 6.8 | | 3951.76 |
| 2/24/2005 | 11:06 | 17.79 | 0.25 | 6,283 | 830,510 | 126 | 15.23 | 17.16 | 6.85 | | 3951.70 |
| 2/28/2005 | 11:41 | 17.8 | 1.15 | 11,861 | 836,088 | 126 | 15.54 | 17.33 | 6.83 | New flow rate of 1.97 | 3951.69 |
| 3/3/2005 | 10:20 | 18.81 | 1.91 | 20,059 | 844,286 | 21 | 15.11 | 17.21 | 6.67 | | 3950.68 |
| 3/7/2005 | 11:38 | 19.02 | 1.85 | 31,147 | 855,374 | 120 | | | | | 3950.47 |
| 3/10/2005 | 10:04 | 19.05 | 1.91 | 39,275 | 863,502 | 120 | 15.13 | 18.53 | 6.79 | | 3950.44 |
| 3/14/2005 | 8:55 | 18.95 | 1.85 | 49,999 | 874,226 | 120 | | | | | 3950.54 |
| 3/17/2005 | 10:05 | 18.85 | 1.85 | 58,168 | 882,395 | 120 | 15.28 | 18.96 | 6.87 | | 3950.64 |
| 3/21/2005 | 9:50 | 19.9 | 1.78 | 68,447 | 892,674 | 120 | | | | | 3949.59 |
| 3/24/2005 | 10:15 | 18.81 | 1.91 | 16,016 | 840,243 | 120 | 15.06 | 18.83 | 6.66 | | 3950.68 |
| 3/28/2005 | 9:46 | 18.9 | 1.85 | 86,418 | 910,645 | 120 | | | | | 3950.59 |
| 3/31/2005 | 10:10 | 19.03 | 1.91 | 94,541 | 918,768 | 120 | 15.09 | 19.51 | 6.87 | | 3950.46 |
| 4/4/2005 | 9:38 | 18.93 | 2.04 | 105,682 | 929,909 | 120 | | | | | 3950.56 |
| 4/7/2005 | 9:58 | 19.04 | 2.04 | 114,458 | 938,685 | 120 | 14.98 | 17.85 | 7.08 | | 3950.45 |
| 4/11/2005 | 11:30 | 18.36 | 2.04 | 126,293 | 950,520 | 120 | | | | | 3951.13 |
| 4/14/2005 | | | | | 824,227 | | | | | Power off at 2:00 for vault work | no data |
| 4/18/2005 | | | | | 824,227 | | | | | Power off for vault installation | no data |
| 4/25/2005 | 8:00 | | | | 824,227 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:23 | 13.25 | 5.8 | 185,058 | 1,009,285 | 46 | 13.58 | 15.37 | 6.75 | | 3951.66 |
| 5/2/2005 | 2:15 | 13.12 | 5.55 | 219,180 | 1,043,407 | 47 | | | | | 3951.79 |
| 5/5/2005 | 10:07 | 13.9 | 4.92 | 241,170 | 1,065,397 | 46 | 13.68 | 16.31 | 7.08 | | 3951.01 |
| 5/9/2005 | 9:10 | 12.85 | 6.18 | 275,467 | 1,099,694 | 48 | | | | | 3952.06 |
| 5/12/2005 | 9:40 | 12.89 | 5.99 | 301,132 | 1,125,359 | 47 | 13.31 | 14.78 | 6.78 | | 3952.02 |
| 5/16/2005 | 9:50 | 12.51 | 5.99 | 335,442 | 1,159,669 | 47 | | | | | 3952.40 |
| 5/19/2005 | 10:18 | 11.03 | 5.99 | 361,071 | 1,185,298 | 47 | 13.44 | 13.33 | 6.83 | | 3953.88 |
| 5/23/2005 | 9:50 | 7.24 | 6.11 | 372,291 | 1,196,518 | 46 | | | | | 3957.67 |
| 5/26/2005 | 11:28 | 6.16 | 6.11 | 398,870 | 1,223,097 | 47 | 12.82 | 7.797 | 6.82 | | 3958.75 |
| 5/31/2005 | 9:25 | 7.14 | 5.99 | 409,012 | 1,233,239 | 48 | | | | | 3957.77 |
| 6/2/2005 | 9:35 | 8.75 | 6.05 | 426,329 | 1,250,556 | 48 | 13.39 | 9.26 | 7.04 | | 3956.16 |
| 6/6/2005 | 9:20 | 9.34 | 6.18 | 461,116 | 1,285,343 | 50 | | | | | 3955.57 |
| 6/9/2005 | 9:59 | 9.81 | 6.05 | 487,634 | 1,311,861 | 50 | 14.04 | 11.79 | 6.97 | | 3955.10 |
| 6/13/2005 | 9:02 | 10.52 | 6.05 | 521,678 | 1,345,905 | 50 | | | | | 3954.39 |
| 6/16/2005 | 9:45 | 10.82 | 5.86 | 547,124 | 1,371,351 | 48 | 14.43 | 13.16 | 6.94 | | 3954.09 |
| 6/20/2005 | 9:48 | 10.55 | 5.92 | 580,835 | 1,405,062 | 50 | | | | | 3954.36 |
| 6/23/2005 | 10:20 | 9.78 | 5.99 | 606,636 | 1,430,863 | 50 | 14.87 | 13.03 | 6.8 | | 3955.13 |
| 6/27/2005 | 10:07 | 9.86 | 5.8 | 640,160 | 1,464,387 | 49 | | | | | 3955.05 |
| 6/30/2005 | 9:38 | 10.72 | 5.8 | 663,821 | 1,488,048 | 50 | 14.84 | 12.6 | 6.59 | | 3954.19 |
| 7/5/2005 | 10:04 | 11.72 | 5.86 | 705,702 | 1,529,929 | 50 | | | | | 3953.19 |
| 7/7/2005 | 9:25 | 12.19 | 5.8 | 722,366 | 1,546,593 | 50 | 15.17 | 18.7 | 6.54 | | 3952.72 |
| 7/11/2005 | 9:40 | 12.2 | 5.86 | 756,013 | 1,580,240 | 50 | | | | | 3952.71 |
| 7/14/2005 | 10:12 | 12.44 | 5.74 | 781,080 | 1,605,307 | 48 | 15.36 | 22.44 | 7 | | 3952.47 |
| 7/18/2005 | 10:50 | 13.51 | 5.36 | 813,772 | 1,637,999 | 50 | | | | | 3951.40 |
| 7/21/2005 | 11:50 | 13.08 | 4.79 | 836,159 | 1,660,386 | 50 | 15.92 | 24.89 | 6.31 | | 3951.83 |
| 7/25/2005 | 9:15 | 14.06 | 3.96 | 860,411 | 1,684,638 | 48 | | | | | 3950.85 |
| 7/28/2005 | 10:49 | 17.16 | 4.15 | 877,870 | 1,702,097 | 46 | 15.93 | 19.473 | 6.73 | | 3947.75 |
| 8/1/2005 | 9:25 | 14.11 | 3.7 | 899,755 | 1,723,982 | 48 | | | | | 3950.80 |
| 8/4/2005 | 10:40 | 16.08 | 3.51 | 914,642 | 1,738,869 | 50 | 15.81 | 24.02 | 6.77 | | 3948.83 |
| 8/8/2005 | 10:05 | 15.08 | 3.32 | 933,283 | 1,757,510 | 48 | | | | | 3949.83 |
| 8/11/2005 | 8:55 | 16.32 | 3 | 946,480 | 1,770,707 | 48 | 15.95 | 23.83 | 6.87 | | 3948.59 |
| 8/15/2005 | 8:55 | 16.05 | 3 | 963,737 | 1,787,964 | 49 | | | | | 3948.86 |
| 8/18/2005 | 9:50 | 16.97 | 3.25 | 973,209 | 1,797,436 | 48 | 16.04 | 23.12 | 6.62 | | 3947.94 |
| 8/22/2005 | 10:20 | 14.61 | 2.87 | 990,229 | 1,814,456 | 50 | | | | | 3950.30 |
| 8/25/2005 | 10:52 | 14.72 | 2.93 | 1,002,463 | 1,826,690 | 0 | 16.15 | 19.46 | 6.67 | | 3950.19 |
| 8/29/2005 | 12:12 | 15.5 | 2.82 | 1,018,483 | 1,842,710 | 50 | | | | | 3949.41 |
| 9/1/2005 | 12:25 | 17.11 | 2.81 | 1,030,514 | 1,854,741 | 51 | 16.33 | 26.93 | 6.58 | | 3947.80 |
| 9/6/2005 | 11:26 | 17.06 | 2.81 | 1,049,707 | 1,873,934 | 51 | | | | | 3947.85 |
| 9/8/2005 | 14:00 | 16.11 | 2.81 | 1,057,808 | 1,882,035 | 52 | 16.56 | 24.12 | 6.79 | | 3948.80 |
| 9/12/2005 | 9:25 | 16.13 | 3 | 1,073,235 | 1,897,462 | 52 | | | | | 3948.78 |
| 9/15/2005 | 11:10 | 13.26 | 5.8 | 1,077,685 | 1,901,912 | 54 | 16.32 | 24.61 | 6.86 | | 3951.65 |
| 9/19/2005 | 9:32 | 15.91 | 2.61 | 1,094,736 | 1,918,963 | 50 | | | | | 3949.00 |
| 9/22/2005 | 9:35 | 16.28 | 3.06 | 1,107,247 | 1,931,474 | 50 | 16.56 | 22.58 | 7.05 | | 3948.63 |
| 9/26/2005 | 9:42 | 16.85 | 2.81 | 1,123,694 | 1,947,921 | 50 | | | | | 3948.06 |
| 9/29/2005 | 11:07 | 15.86 | 2.81 | 1,135,768 | 1,959,995 | 48 | 16.53 | 21.55 | 6.84 | | 3949.05 |
| 10/3/2005 | 10:00 | 16.03 | 2.87 | 1,152,007 | 1,976,234 | 51 | | | | | 3948.88 |
| 10/6/2005 | 10:00 | 13.21 | 1.59 | 1,163,981 | 1,988,208 | 58 | 16.73 | 20.31 | 7.04 | | 3951.70 |
| 10/10/2005 | 10:30 | 15.76 | 2.93 | 1,180,275 | 2,004,502 | 52 | | | | | 3949.15 |
| 10/13/2005 | 1:52 | 15.61 | 2.87 | 1,193,087 | 2,017,314 | 52 | 17.3 | 22.69 | 6.78 | | 3949.30 |
| 10/17/2005 | 9:30 | 14.81 | 2.81 | 1,208,588 | 2,032,815 | 52 | | | | | 3950.10 |
| 10/20/2005 | 9:18 | 16.01 | 3.06 | 1,222,775 | 2,047,002 | 44 | 16.45 | 26.47 | 6.85 | | 3948.90 |
| 10/24/2005 | 9:46 | 15.21 | 2.81 | 1,237,294 | 2,061,521 | 46 | | | | | 3949.70 |
| 10/27/2005 | 9:42 | 15.92 | 2.68 | 1,249,385 | 2,073,612 | 46 | 16.73 | 13.28 | 6.8 | | 3948.99 |
| 10/31/2005 | 9:50 | 13.67 | 2.93 | 1,265,441 | 2,089,668 | 46 | | | | | 3951.24 |
| 11/3/2005 | 9:18 | 15.22 | 2.74 | 1,277,628 | 2,101,855 | 44 | 16.65 | 18.77 | 7.02 | | 3949.69 |
| 11/7/2005 | 10:26 | 16.66 | 2.81 | 1,293,740 | 2,117,967 | 46 | | | | | 3948.25 |
| 11/10/2005 | 9:16 | 15.95 | 2.74 | 1,305,366 | 2,129,593 | 44 | 16.75 | 18.65 | 6.9 | | 3948.96 |
| 11/14/2005 | 9:48 | 16.04 | 2.74 | 1,321,139 | 2,145,366 | 45 | | | | | 3948.87 |
| 11/17/2005 | 10:20 | 15.54 | 2.74 | 1,332,933 | 2,157,160 | 45 | 16.58 | 19.194 | 6.95 | | 3949.37 |
| 11./23/05 | 10:52 | 15.24 | 1.85 | 1,353,500 | 2,177,727 | 44 | 16.68 | 17.153 | 6.89 | | 3949.67 |
| 11/28/2005 | 10:34 | 15.25 | 0.64 | 1,365,035 | 2,189,262 | 46 | | | | | 3949.66 |
| 12/1/2005 | 8:35 | 15.27 | 1.08 | 1,366,559 | 2,189,725 | 45 | 16.49 | 18.143 | 6.87 | | 3949.64 |
| 12/5/2005 | 10:12 | 15.24 | 0.78 | 1,366,583 | | 44 | | | | | 3949.67 |
| 12/7/2005 | 9:50 | 15.24 | 0.77 | 1,366,583 | 2,198,650 | | 16.69 | 18.12 | 6.87 | System shut down for winter | 3949.67 |

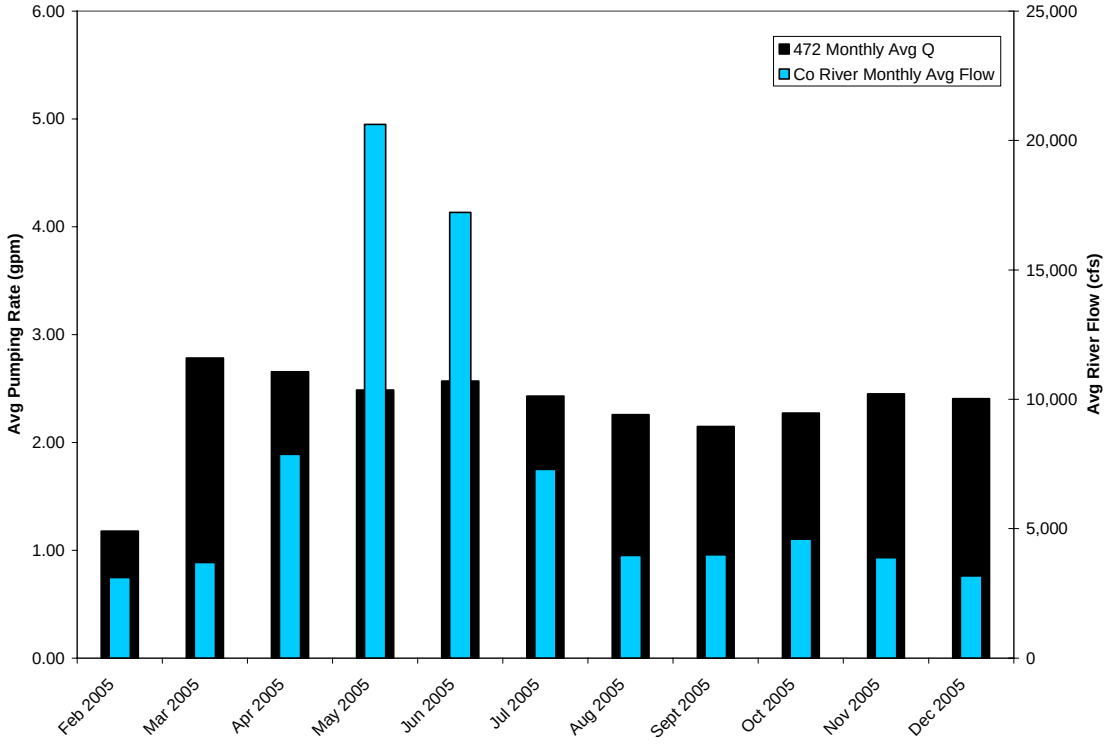
| | | Well 479 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Date | Time | Depth to water (ft) | flow rate gpm | total vol raw gls | total vol corrected | pressure psi | temp °C | spec cond µS/cm x1K | pH | comments | GW Elev (ft msl) |
| 12/23/2004 | 10:10 | 19.48 | 2.23 | 111,811 | 945,564 | 45 | 14.99 | 16.17 | 6.79 | System Shut Down for Winter | 3949.79 |
| 12/27/2004 | 1:35 | 16.38 | | | | | | | | | 3952.89 |
| 1/26/2005 | 10:46 | 15.96 | | | | | | | | baseline samples collected | 3953.31 |
| 2/14/2005 | | | | 111,954 | 945,707 | | | | | Changed batteries | no data |
| 2/15/2005 | 9:57 | 15.97 | 1.53 | | | 48 | | | | Spring 2005 startup | 3953.30 |
| 2/17/2005 | 12:06 | 16.95 | | 2,436 | 948,143 | 49 | 15.13 | 18.26 | 6.85 | Adjuste flow 1.08-.95/Flow rate below threshold | 3952.32 |
| 2/21/2005 | 15:39 | 17.07 | 1.21 | 6,603 | 952,310 | 51 | 15.17 | 17.97 | 6.78 | | 3952.20 |
| 2/24/2005 | 11:11 | 17.12 | 1.21 | 11,355 | 957,062 | 51 | 14.77 | 17.85 | 6.89 | | 3952.15 |
| 2/28/2005 | 11:42 | 17.11 | 1.21 | 18,154 | 963,861 | 52 | 14.96 | 18.9 | 6.83 | New flow rate of 2.42 | 3952.16 |
| 3/3/2005 | 10:25 | 18.49 | 2.29 | 27,937 | 973,644 | 45 | 14.95 | 18.36 | 6.7 | | 3950.78 |
| 3/7/2005 | 11:40 | 18.73 | 2.23 | 40,742 | 986,449 | 44 | | | | | 3950.54 |
| 3/10/2005 | 10:05 | 18.81 | 2.23 | 50,135 | 995,842 | 45 | 14.88 | 18.55 | 6.84 | | 3950.46 |
| 3/14/2005 | 8:59 | 18.69 | 2.16 | 62,490 | 1,008,197 | 44 | | | | | 3950.58 |
| 3/17/2005 | 10:15 | 18.55 | 2.1 | 71,928 | 1,017,635 | 45 | 14.78 | 18.56 | 6.93 | | 3950.72 |
| 3/21/2005 | 9:51 | 18.63 | 2.16 | 84,132 | 1,029,839 | 43 | | | | | 3950.64 |
| 3/24/2005 | 10:18 | 18.91 | 2.48 | 93,840 | 1,039,547 | 43 | 14.58 | 18.8 | 6.74 | | 3950.36 |
| 3/28/2005 | 9:50 | 18.87 | 2.42 | 107,753 | 1,053,460 | 45 | | | | | 3950.40 |
| 3/31/2005 | 10:15 | 18.59 | 2.23 | 117,507 | 1,063,214 | 45 | 14.28 | 18.07 | 6.95 | | 3950.68 |
| 4/4/2005 | 9:40 | 18.47 | 2.1 | 129,026 | 1,074,733 | 45 | | | | | 3950.80 |
| 4/7/2005 | 10:02 | 18.47 | 2.04 | 137,681 | 1,083,388 | 46 | 14.7 | 17.03 | 7.12 | | 3950.80 |
| 4/11/2005 | 11:35 | 17.71 | 1.97 | 149,243 | 1,094,950 | 46 | | | | | 3951.56 |
| 4/14/2005 | | | | | 945,707 | | | | | Power off at 2:00 for vault work | no data |
| 4/18/2005 | | | | | 945,707 | | | | | Power off for vault installation | no data |
| 4/21/2005 | 8:00 | | | | 945,707 | | | | | Restarted After New Vault Intsalled, New TOC | no data |
| 4/28/2005 | 10:25 | 9.89 | | 152,020 | 1,097,727 | 46 | 14.36 | 11.16 | 6.89 | Last reading 1.97 | 3954.78 |
| 5/2/2005 | 2:15 | 10.14 | | 152,025 | 1,097,732 | 46 | | | | Last flow reading 1.97 | 3954.53 |
| 5/5/2005 | 10:09 | 10.24 | | 152,028 | 1,097,735 | 48 | 14.48 | 10.62 | 7.21 | Last flow reading 1.97 | 3954.43 |
| 5/9/2005 | 9:15 | 9.98 | | 152,028 | 1,097,735 | 40 | | | | Last flow reading 2.28 | 3954.69 |
| 5/12/2005 | 9:45 | 9.67 | | 152,030 | 1,097,737 | 45 | 13.6 | 11.55 | 6.89 | | 3955.00 |
| 5/16/2005 | 9:52 | 9.49 | 1.27 | 159,459 | 1,105,166 | 46 | | | | | 3955.18 |
| 5/19/2005 | 10:20 | 8.95 | 1.4 | 165,147 | 1,110,854 | 46 | 13.44 | 11.93 | 6.88 | | 3955.72 |
| 5/23/2005 | 9:55 | 5.91 | 1.91 | 168,293 | 1,114,000 | 48 | | | | | 3958.76 |
| 5/26/2005 | 11:30 | 4.55 | 1.91 | 176,499 | 1,122,206 | 46 | 13.04 | 6.617 | 6.81 | | 3960.12 |
| 5/31/2005 | 9:30 | 5.68 | 1.91 | 179,602 | 1,125,309 | 46 | | | | | 3958.99 |
| 6/2/2005 | 9:40 | 7.02 | 1.85 | 184,991 | 1,130,698 | 47 | 13.16 | 7.34 | 7.06 | | 3957.65 |
| 6/6/2005 | 9:25 | 7.49 | 1.97 | 196,083 | 1,141,790 | 48 | | | | | 3957.18 |
| 6/9/2005 | 10:03 | 7.81 | 1.91 | 204,521 | 1,150,228 | 48 | 13.58 | 8.526 | 7.04 | | 3956.86 |
| 6/13/2005 | 9:04 | 8.42 | 1.91 | 215,288 | 1,160,995 | 48 | | | | | 3956.25 |
| 6/16/2005 | 9:50 | 8.67 | 1.97 | 223,778 | 1,169,485 | 48 | 14.07 | 9.459 | 7.01 | | 3956.00 |
| 6/20/2005 | 9:50 | 8.45 | 2.04 | 234,977 | 1,180,684 | 48 | | | | | 3956.22 |
| 6/23/2005 | 10:22 | 7.91 | 2.04 | 244,613 | 1,190,320 | 48 | 14.4 | 8.838 | 6.91 | | 3956.76 |
| 6/27/2005 | 10:09 | 7.98 | 1.97 | 255,010 | 1,200,717 | 46 | | | | | 3956.69 |
| 6/30/2005 | 9:40 | 8.52 | 1.91 | 262,850 | 1,208,557 | 48 | 14.82 | 5.282 | 6.72 | | 3956.15 |
| 7/5/2005 | 10:06 | 9.11 | 1.91 | 276,531 | 1,222,238 | 48 | | | | | 3955.56 |
| 7/7/2005 | 9:30 | 9.36 | 1.85 | 281,928 | 1,227,635 | 48 | 15.01 | 11.22 | 6.62 | | 3955.31 |
| 7/11/2005 | 9:42 | 10.11 | 1.97 | 293,173 | 1,238,880 | 46 | | | | | 3954.56 |
| 7/14/2005 | 10:15 | 10.61 | 1.91 | 301,548 | 1,247,255 | 45 | 15.4 | 14.85 | 7.09 | | 3954.06 |
| 7/18/2005 | 10:52 | 11.19 | 1.65 | 311,391 | 1,257,098 | 48 | | | | | 3953.48 |
| 7/21/2005 | 11:55 | 11.51 | 1.59 | 318,161 | 1,263,868 | 50 | 16.18 | 17.78 | 6.29 | | 3953.16 |
| 7/25/2005 | 9:20 | 11.85 | 1.65 | 327,114 | 1,272,821 | 48 | | | | | 3952.82 |
| 7/28/2005 | 10:52 | 11.92 | 1.53 | 334,074 | 1,279,781 | 48 | 16.11 | 16.655 | 6.8 | | 3952.75 |
| 8/1/2005 | 9:30 | 12.19 | 1.59 | 343,145 | 1,288,852 | 48 | | | | | 3952.48 |
| 8/4/2005 | 10:45 | 12.35 | 1.65 | 350,160 | 1,295,867 | 48 | 15.99 | 17.82 | 6.85 | | 3952.32 |
| 8/8/2005 | 10:10 | 12.45 | 1.65 | 359,519 | 1,305,226 | 48 | | | | | 3952.22 |
| 8/11/2005 | 9:00 | 12.59 | 1.65 | 366,330 | 1,312,037 | 48 | 15.91 | 17.77 | 6.94 | | 3952.08 |
| 8/15/2005 | 9:00 | 12.72 | 1.65 | 375,605 | 1,321,312 | 48 | | | | | 3951.95 |
| 8/18/2005 | 9:55 | 12.61 | 1.55 | 380,306 | 1,326,013 | 48 | 16.07 | 17.43 | 6.71 | | 3952.06 |
| 8/22/2005 | 10:25 | 13.82 | 1.46 | 389,171 | 1,334,878 | 48 | | | | | 3950.85 |
| 8/25/2005 | 11:05 | 12.62 | 0.89 | 391,789 | 1,337,496 | 0 | 16.66 | 16 | 6.71 | | 3952.05 |
| 8/29/2005 | 12:14 | 12.77 | 1.15 | 399,982 | 1,345,689 | 49 | | | | | 3951.90 |
| 9/1/2005 | 12:30 | 12.84 | 1.21 | 403,628 | 1,349,335 | 48 | 16.78 | 21.29 | 6.62 | | 3951.83 |
| 9/6/2005 | 11:30 | 13.06 | 1.21 | 413,493 | 1,359,200 | 48 | | | | | 3951.61 |
| 9/8/2005 | 14:08 | 13.12 | 1.21 | | | 49 | 16.86 | 20.29 | 6.82 | Flow meter not operating | 3951.55 |
| 9/12/2005 | 9:30 | 12.85 | 1.27 | | 1,371,800 | | | | | Replaced flow meter | 3951.82 |
| 9/15/2005 | | | | | | | | | | Electrician working on status box | |
| 9/19/2005 | 9:35 | 13.15 | 1.53 | 10,517 | 1,385,912 | 49 | | | | | 3951.52 |
| 9/22/2005 | 9:40 | 12.95 | 1.59 | 17,242 | 1,392,637 | 48 | 16.85 | 22.11 | 7.07 | | 3951.72 |
| 9/26/2005 | 9:44 | 13.27 | 1.59 | 26,096 | 1,401,491 | 47 | | | | | 3951.40 |
| 9/29/2005 | 11:19 | 13.05 | 1.53 | 32,976 | 1,408,371 | 48 | 17.08 | 18.78 | 6.88 | | 3951.62 |
| 10/3/2005 | 10:02 | 13.05 | 1.59 | 41,703 | 1,417,098 | 49 | | | | | 3951.62 |
| 10/6/2005 | 10:10 | 13.18 | 2.34 | 48,299 | 1,423,694 | 50 | 16.7 | 19.91 | 7.06 | | 3951.49 |
| 10/10/2005 | 10:31 | 13.04 | 1.91 | 48,301 | 1,434,638 | 50 | | | | Batteries replaced | 3951.63 |
| 10/13/2005 | 1:50 | 13.01 | 1.53 | 55,211 | 1,441,548 | 48 | 17.5 | 17.84 | 6.84 | | 3951.66 |
| 10/17/2005 | 9:35 | 13.11 | 1.53 | 63,520 | 1,449,857 | 48 | | | | | 3951.56 |
| 10/20/2005 | 9:20 | 13.24 | 1.79 | 4,615 | 1,457,675 | 46 | 16.88 | 20.82 | 6.93 | Changed flow meter on 10/18/05 | 3951.43 |
| 10/24/2005 | 9:48 | 13.25 | 1.79 | 14,722 | 1,467,782 | 46 | | | | | 3951.42 |
| 10/27/2005 | 9:45 | 13.24 | 1.79 | 22,191 | 1,475,251 | 46 | 17.03 | 9.94 | 6.89 | | 3951.43 |
| 10/31/2005 | 9:52 | 13.27 | 1.76 | 32,202 | 1,485,262 | 46 | | | | | 3951.40 |
| 11/3/2005 | 9:20 | 13.18 | 1.77 | 39,629 | 1,492,689 | 44 | 16.98 | 13.97 | 7.12 | | 3951.49 |
| 11/7/2005 | 10:28 | 13.32 | 1.76 | 49,712 | 1,502,772 | 46 | | | | | 3951.35 |
| 11/10/2005 | 9:18 | 13.39 | 1.74 | 57,010 | 1,510,070 | 45 | 16.97 | 14.598 | 6.94 | | 3951.28 |
| 11/14/2005 | 9:50 | 13.39 | 1.74 | 66,929 | 1,519,989 | 45 | | | | | 3951.28 |
| 11/17/2005 | 10:22 | 13.42 | 2.14 | 74,208 | 1,527,268 | 45 | 16.87 | 14.618 | 7.01 | | 3951.25 |
| 11/23/2005 | 10:54 | 13.48 | 1.72 | 88,628 | 1,541,688 | 46 | 16.8 | 15.208 | 6.93 | | 3951.19 |
| 11/28/2005 | 10:35 | 13.56 | 1.74 | 100,589 | 1,553,649 | 46 | | | | | 3951.11 |
| 12/1/2005 | 9:40 | 13.57 | 1.78 | 107,692 | 1,560,752 | 45 | 16.61 | 15.182 | 6.97 | | 3951.10 |
| 12/5/2005 | 10:15 | 13.56 | 1.76 | 117,348 | 1,570,408 | 45 | | | | | 3951.11 |
| 12/7/2005 | 9:50 | 13.56 | 1.76 | 122,114 | 1,575,174 | | 16.88 | 14.5 | 6.92 | System shut down for winter | 3951.11 |

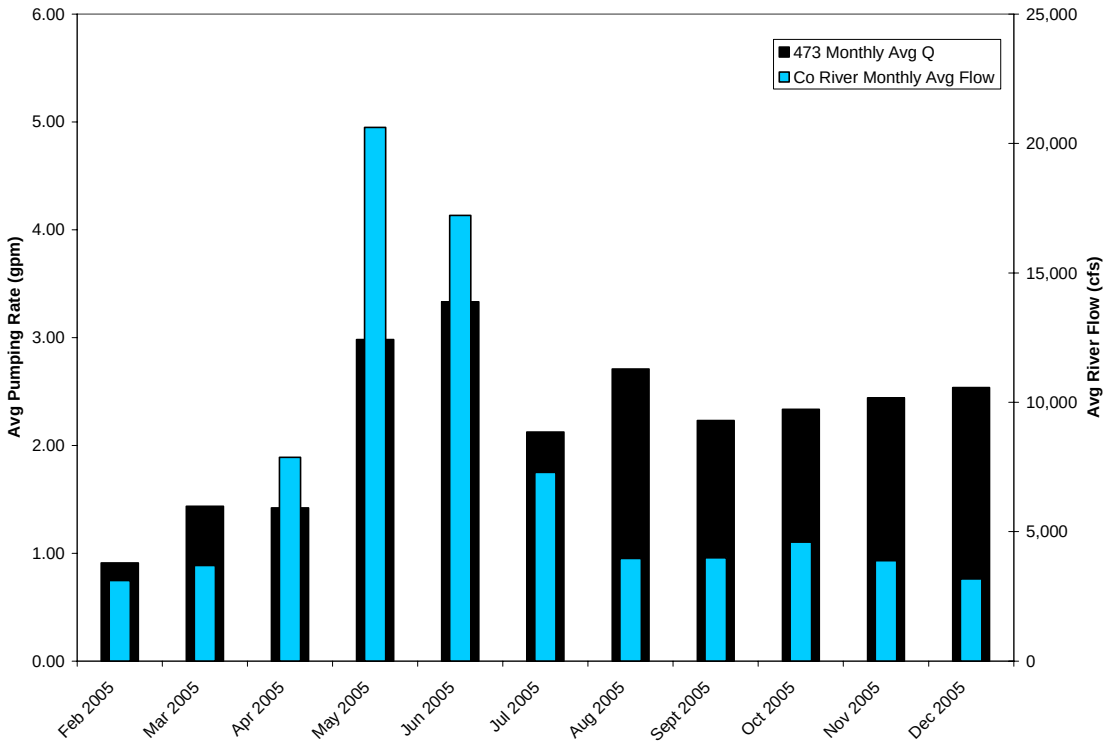
# Appendix B−2

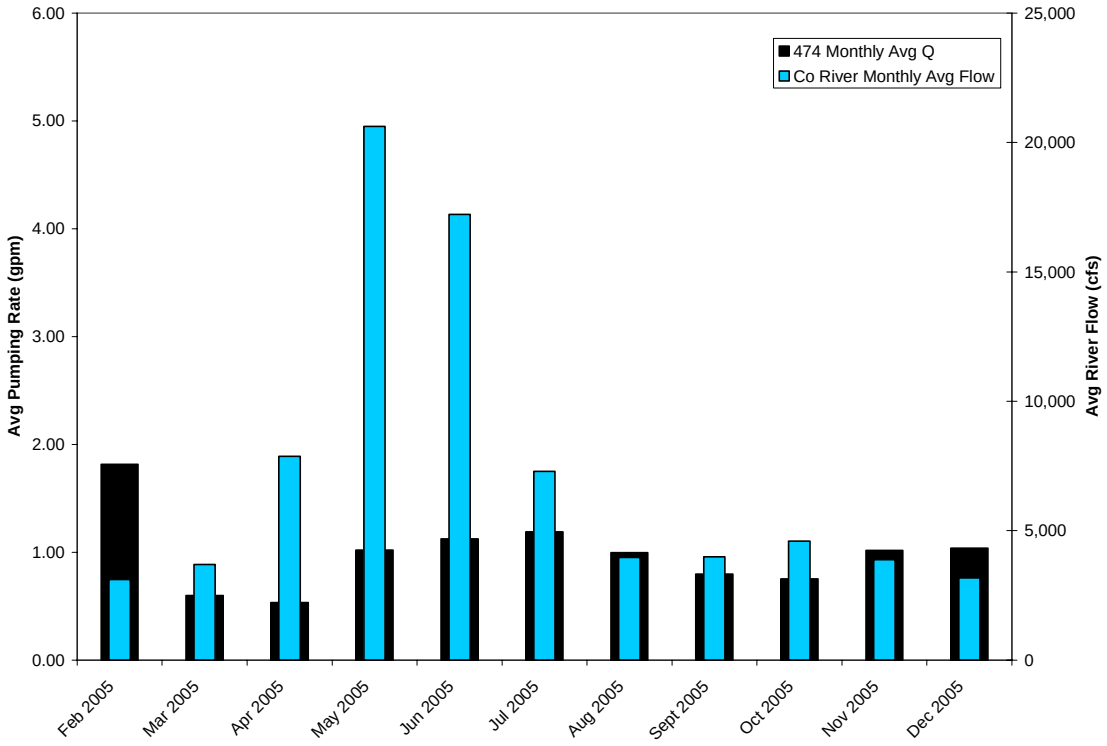
# Configuration 1 Extraction Well Pumping Rate Plots

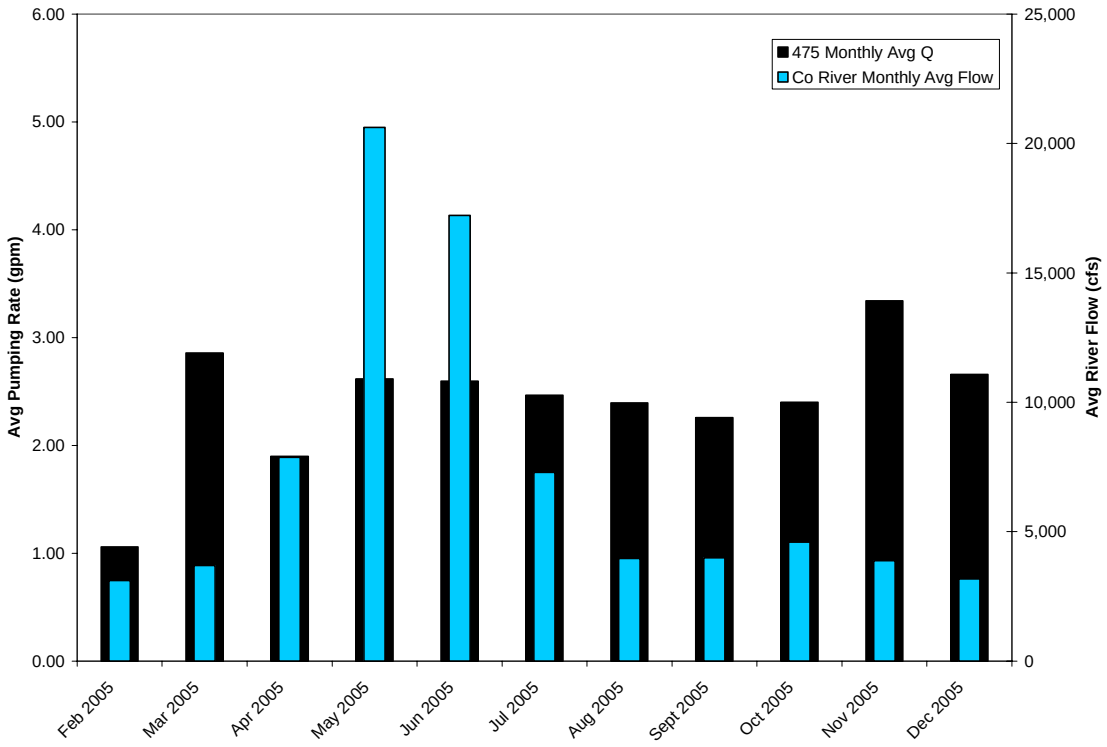

470 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005

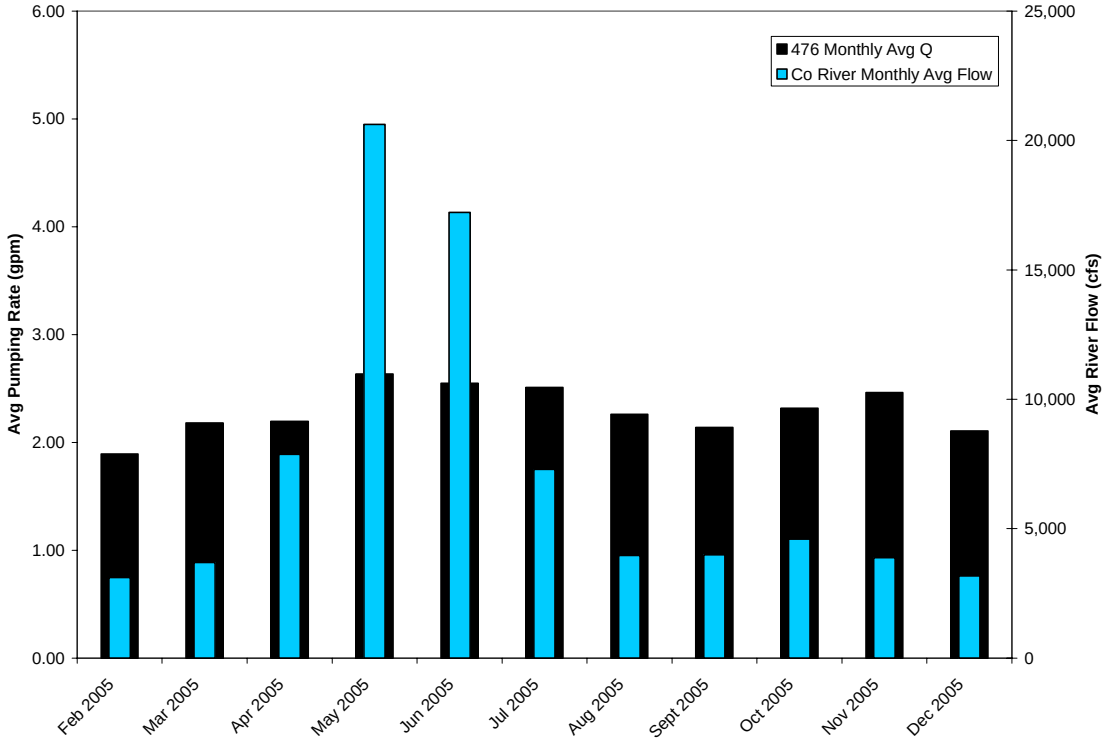

471 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005

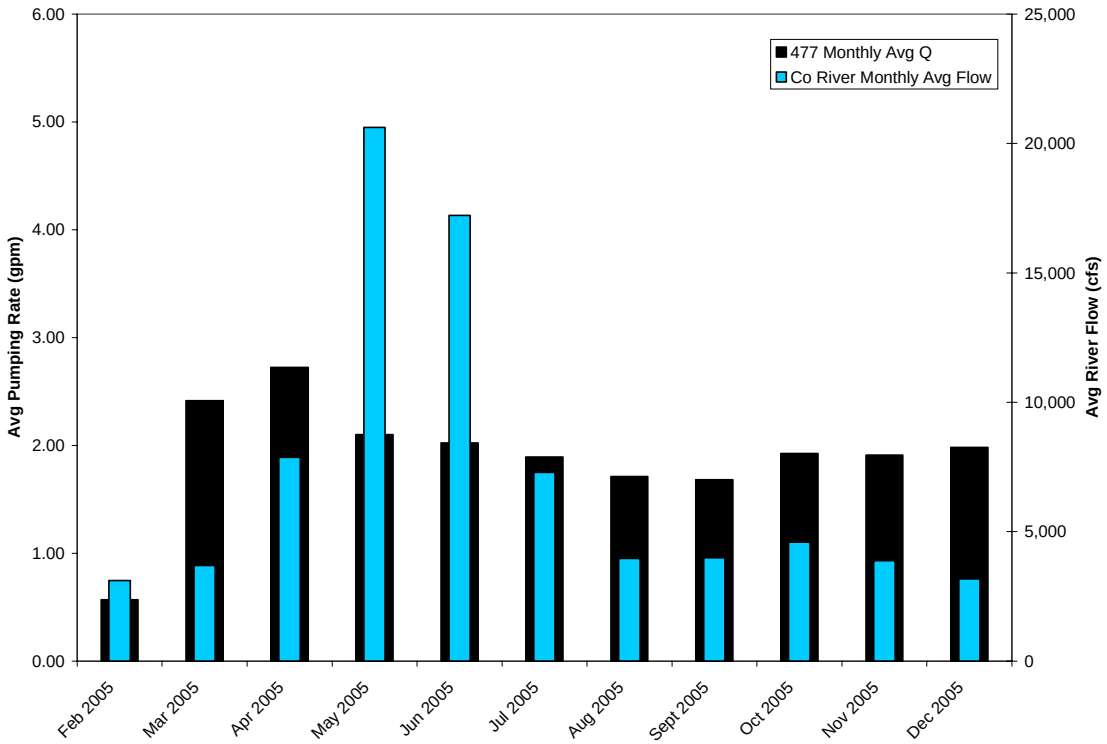

472 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005

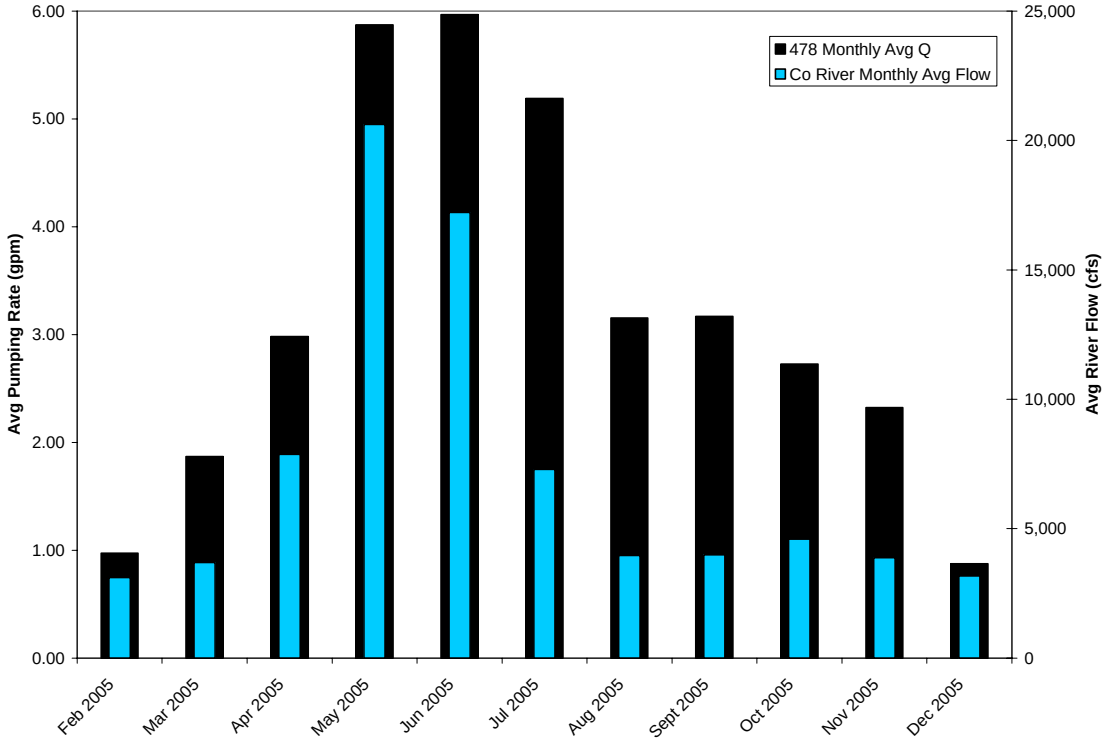

473 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005

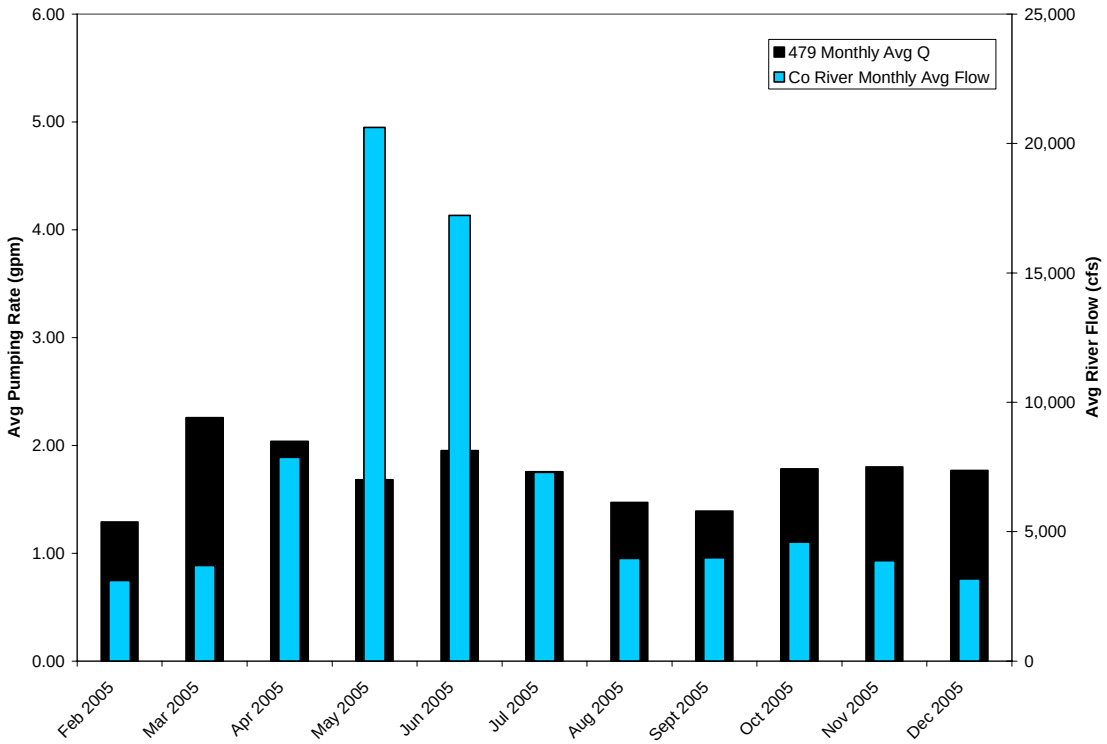

474 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005


475 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005


476 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005


477 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005


478 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005


479 Monthly Avg Q
Co River Monthly Avg Flow
Avg Pumping Rate (gpm)
Avg River Flow (cfs)
6.00
5.00
4.00
3.00
2.00
1.00
0.00
25,000
20,000
15,000
10,000
5,000
0
Feb 2005
Mar 2005
Apr 2005
May 2005
Jun 2005
Jul 2005
Aug 2005
Sept 2005
Oct 2005
Nov 2005
Dec 2005

# Appendix B−3

# Configuration 3 Extraction Well Data

| Date | Time | Well 670 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/25/05 | | 9.2 | | | | | | | | well installed | 3960.34 |
| 7/7/05 | | 14.05 | | | | | | | | well developed | 3955.49 |
| 8/9/05 | | 15.22 | 0 | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.32 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:51 | 16.33 | 0 | 2,710 | 2,710 | 48 | | | | re-started pumping | 3953.21 |
| 9/1/05 | 2:05 | 16.7 | 6.7 | 1,496 | 1,496 | 48 | | | | | 3952.84 |
| 9/6/05 | 12:04 | 16.73 | 6.64 | 12,779 | 12,779 | 48 | | | | | 3952.81 |
| 9/8/05 | 15:03 | 16.98 | 6.62 | 32,859 | 32,859 | 47 | 16.47 | 20.27 | 7.04 | | 3952.56 |
| 9/12/05 | 10:15 | 16.39 | 6.72 | 43,935 | 43,935 | 48 | | | | | 3953.15 |
| 9/15/05 | 1:50 | 16.81 | 6.67 | 73,503 | 73,503 | 48 | 16.64 | 21.33 | 6.93 | | 3952.73 |
| 9/19/05 | 10:05 | 16.68 | 6.64 | 84,858 | 84,858 | 48 | | | | | 3952.86 |
| 9/22/05 | 10:30 | 17.5 | 6.65 | 112,585 | 112,585 | 48 | 16.28 | 21.54 | 6.96 | | 3952.04 |
| 9/26/05 | 10:00 | 16.35 | 0 | 123,570 | 123,570 | 0 | | | | Fittings replaced with brass | 3953.19 |
| 9/29/05 | 11:41 | 17.01 | 6.43 | 142,068 | 142,068 | 48 | | | | | 3952.53 |
| 10/3/05 | 10:45 | 16.97 | 6.36 | 178,111 | 178,111 | 48 | | | | | 3952.57 |
| 10/6/05 | 10:45 | 17.27 | 6.35 | 205,393 | 205,393 | 48 | 16.43 | 23.24 | 7.02 | | 3952.27 |
| 10/10/05 | 11:15 | 17.01 | 6.31 | 241,691 | 241,691 | 48 | | | | | 3952.53 |
| 10/13/05 | 9:45 | 17.04 | 6.28 | 267,657 | 267,657 | 50 | 16.32 | 24.29 | 6.7 | | 3952.5 |
| 10/17/05 | 10:15 | 17.11 | 6.28 | 302,414 | 302,414 | 48 | | | | reduced flow rate 2.35 | 3952.43 |
| 10/20/05 | 10:00 | 16.16 | 2.19 | 312,370 | 312,370 | 44 | 16.75 | 1.533 | 6.86 | | 3953.38 |
| 10/24/05 | 10:15 | 16.03 | 2.22 | 324,921 | 324,921 | 46 | | | | | 3953.51 |
| 10/27/05 | 10:10 | 15.95 | 2.2 | 334,401 | 334,401 | 45 | 16.81 | 12.32 | 7.01 | | 3953.59 |
| 10/31/05 | 11:15 | 15.97 | 2.21 | 347,190 | 347,190 | 46 | | | | | 3953.57 |
| 11/3/05 | 10:05 | 15.91 | 2.22 | 356,640 | 356,640 | 45 | 16.43 | 13 | 7.11 | | 3953.63 |
| 11/7/05 | 11:03 | 15.98 | 2.2 | 369,368 | 369,368 | 46 | | | | | 3953.56 |
| 11/10/05 | 9:50 | 16.02 | 2.22 | 376,155 | 376,155 | 44 | 15.8 | 9.593 | 7 | | 3953.52 |
| 11/14/05 | 10:35 | 15.99 | 2.2 | 391,385 | 391,385 | 44 | | | | | 3953.55 |
| 11/17/05 | 11:18 | 16.07 | 2.2 | 400,844 | 400,844 | 44 | 14.98 | 10.99 | 7.01 | | 3953.47 |
| 11/23/05 | 11:10 | 16.17 | 2.17 | 419,620 | 419,620 | 44 | 15.06 | 14.295 | 6.86 | | 3953.37 |
| 11/28/05 | 11:02 | 16.25 | 2.18 | 435,060 | 435,060 | 46 | | | | | 3953.29 |
| 12/1/05 | 10:20 | 16.22 | 2.13 | 444,259 | 444,259 | 45 | 14.94 | 17.148 | 6.79 | | 3953.32 |
| 12/5/05 | 10:50 | 16.22 | 2.15 | 456,670 | 456,670 | 45 | | | | | 3953.32 |
| 12/7/05 | 10:10 | 16.22 | 2.16 | 462,761 | 462,761 | 44 | 14.45 | 14.35 | 6.87 | System shut down for winter | 3953.32 |

| Date | Time | Well 671 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* | | Pressure (psi) | Temp (°C) | Spec Cond | pH | | |
| | | | | raw data | corrected | | | | | | |
| 6/27/05 | | 9.7 | | | | | | | | well installed | 3959.8 |
| 7/6/05 | | 12.82 | | | | | | | | well developed | 3956.68 |
| 8/9/05 | | 15.31 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.19 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:52 | 17.44 | | | | 47 | | | | | 3952.06 |
| 9/1/05 | 2:09 | 16.79 | | | | 0 | | | | Flow meter change | 3952.71 |
| 9/6/05 | 12:06 | 17.85 | 8.18 | 1,409 | 1,409 | 48 | | | | | 3951.65 |
| 9/8/05 | 15:06 | 18.34 | 8.36 | 26,165 | 26,165 | 46 | 15.46 | 22.14 | 7.16 | | 3951.16 |
| 9/12/05 | 10:11 | 17.62 | 8.36 | 39,828 | 39,828 | 48 | | | | | 3951.88 |
| 9/15/05 | 1:55 | 18.21 | 8.41 | 77,299 | 77,299 | 47 | 15.38 | 26.5 | 6.82 | | 3951.29 |
| 9/19/05 | 10:07 | 17.94 | 8.47 | 92,306 | 92,306 | 48 | | | | | 3951.56 |
| 9/22/05 | 10:35 | 18.48 | 8.58 | 128,255 | 128,255 | 46 | 15.38 | 26.64 | 6.9 | | 3951.02 |
| 9/26/05 | 10:01 | 16.78 | 0 | 142,846 | 142,846 | 0 | | | | Fittings replaced with brass | 3952.72 |
| 9/29/05 | 11:44 | 18.39 | 8.25 | 166,894 | 166,894 | 47 | | | | | 3951.11 |
| 10/3/05 | 10:48 | 18.48 | 8.45 | 213,964 | 213,964 | 45 | | | | | 3951.02 |
| 10/6/05 | 10:47 | 18.71 | 8.47 | 249,619 | 249,619 | 46 | 15.47 | 30.32 | 6.95 | | 3950.79 |
| 10/10/05 | 11:16 | 18.63 | 8.47 | 296,344 | 296,344 | 48 | | | | | 3950.87 |
| 10/13/05 | 9:48 | 18.71 | 8.43 | 330,127 | 330,127 | 48 | 15.48 | 32.36 | 6.77 | | 3950.79 |
| 10/17/05 | 10:18 | 18.81 | 8.4 | 376,463 | 376,463 | 48 | | | | New flow rate 2.42 | 3950.69 |
| 10/20/05 | 10:05 | 16.6 | 2.1 | 386,342 | 386,342 | 42 | 16.15 | 28.291 | 6.72 | | 3952.9 |
| 10/24/05 | 10:18 | 16.5 | 2.15 | 398,769 | 398,769 | 44 | | | | | 3953 |
| 10/27/05 | 10:12 | 16.42 | 2.1 | 407,907 | 407,907 | 44 | 16.38 | 26.91 | 6.78 | | 3953.08 |
| 10/31/05 | 11:18 | 16.42 | 2.11 | 420,294 | 420,294 | 44 | | | | | 3953.08 |
| 11/3/05 | 10:07 | 16.34 | 2.14 | 429,260 | 429,260 | 44 | 16.5 | 21.48 | 6.99 | | 3953.16 |
| 11/7/05 | 11:05 | 16.44 | 2.1 | 441,418 | 441,418 | 45 | | | | | 3953.06 |
| 11/10/05 | 9:52 | 16.45 | 2.07 | 447,731 | 447,731 | 44 | 16.5 | 23.01 | 6.72 | | 3953.05 |
| 11/14/05 | 10:04 | 16.4 | 2.12 | 462,187 | 462,187 | 44 | | | | | 3953.1 |
| 11/17/05 | 11:20 | 17.45 | 2.1 | 471,257 | 471,257 | 43 | 16.41 | 24.458 | 6.89 | | 3952.05 |
| 11/23/05 | 11:12 | 16.55 | 2.09 | 489,396 | 489,396 | 44 | 16.42 | 24.288 | 6.74 | | 3952.95 |
| 11/28/05 | 11:04 | 16.61 | 2.19 | 504,719 | 504,719 | 45 | | | | | 3952.89 |
| 12/1/05 | 10:25 | 16.58 | 2.19 | 513,926 | 513,926 | 44 | 16.28 | 25.118 | 6.79 | | 3952.92 |
| 12/5/05 | 10:52 | 16.56 | 2.13 | 526,328 | 526,328 | 44 | | | | | 3952.94 |
| 12/7/05 | 10:10 | 16.55 | 2.25 | 532,442 | 532,442 | | 16.26 | 23.64 | 6.83 | System shut down for winter | 3952.95 |

| Date | Time | Well 672 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/27/05 | | 9.4 | | | | | | | | well installed | 3960.17 |
| 7/11/05 | | 13.22 | | | | | | | | well developed | 3956.35 |
| 8/9/05 | | 15.22 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.35 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:53 | 17.83 | 6.81 | 633 | 633 | 47 | | | | | 3951.74 |
| 9/1/05 | 2:23 | 18.21 | 6.82 | 29,887 | 29,887 | 46 | | | | | 3951.36 |
| 9/6/05 | 12:09 | 18.33 | 6.68 | 41,296 | 41,296 | 48 | | | | | 3951.24 |
| 9/8/05 | 15:09 | 18.85 | 6.73 | 61,493 | 61,493 | 46 | | | | | 3950.72 |
| 9/12/05 | 10:18 | 18.15 | 6.68 | 72,386 | 72,386 | 46 | | | | | 3951.42 |
| 9/15/05 | 1:58 | 18.76 | 6.64 | 101,428 | 101,428 | 46 | 15.99 | 31.52 | 6.79 | | 3950.81 |
| 9/19/05 | 10:10 | 18.43 | 6.58 | 112,816 | 112,816 | 46 | | | | | 3951.14 |
| 9/22/05 | 10:38 | 19.02 | 6.64 | 140,530 | 140,530 | 48 | 16.06 | 24.04 | 6.95 | | 3950.55 |
| 9/26/05 | 10:20 | 18.5 | 6.55 | 170,287 | 170,287 | 45 | | | | | 3951.07 |
| 9/29/05 | 11:46 | 18.94 | 6.36 | 198,484 | 198,484 | 47 | | | | | 3950.63 |
| 10/3/05 | 10:50 | 18.98 | 6.26 | 234,098 | 234,098 | 47 | | | | | 3950.59 |
| 10/6/05 | 10:50 | 19.29 | 6.25 | 260,864 | 260,864 | 46 | 15.76 | 41.26 | 6.87 | | 3950.28 |
| 10/10/05 | 11:18 | 19.18 | 6.12 | 295,639 | 295,639 | 48 | | | | | 3950.39 |
| 10/13/05 | 9:50 | 19.18 | 6.08 | 320,996 | 320,996 | 46 | 15.55 | 45.74 | 6.82 | | 3950.39 |
| 10/17/05 | 10:20 | 19.25 | 6 | 355,736 | 355,736 | 46 | | | | New flow rate 2.28 | 3950.32 |
| 10/20/05 | 10:10 | 17.02 | 2.22 | 365,640 | 365,640 | 42 | 16.18 | 38.476 | 6.72 | | 3952.55 |
| 10/24/05 | 10;20 | 16.91 | 2.22 | 378,581 | 378,581 | 45 | | | | | 3952.66 |
| 10/27/05 | 10:14 | 16.85 | 2.29 | 388,374 | 388,374 | 42 | 16.34 | 35.86 | 6.71 | | 3952.72 |
| 10/31/05 | 11:20 | 16.83 | 2.29 | 401,727 | 401,727 | 44 | | | | | 3952.74 |
| 11/3/05 | 10:10 | 16.79 | 2.3 | 411,416 | 411,416 | 44 | 16.38 | 29.92 | 6.96 | | 3952.78 |
| 11/7/05 | 11:08 | 16.86 | 2.28 | 424,595 | 424,595 | 45 | | | | | 3952.71 |
| 11/10/05 | 9:54 | 16.83 | 2.26 | 431,563 | 431,563 | 46 | 16.4 | 32.34 | 10.69 | | 3952.74 |
| 11/14/05 | 10:43 | 16.83 | 2.25 | 447,051 | 447,051 | 44 | | | | | 3952.74 |
| 11/17/05 | 11:22 | 16.89 | 2.26 | 456,675 | 456,675 | 44 | 16.17 | 30.74 | 6.9 | | 3952.68 |
| 11/23/05 | 11:13 | 16.96 | 2.26 | 475,930 | 475,930 | 44 | 16.15 | 31.326 | 6.77 | | 3952.61 |
| 11/28/05 | 11:06 | 16.98 | 2.06 | 491,107 | 491,107 | 45 | | | | | 3952.59 |
| 12/1/05 | 10:30 | 16.94 | 2.06 | 499,871 | 499,871 | 44 | 15.98 | 31.756 | 6.77 | | 3952.63 |
| 12/5/05 | 10:55 | 16.92 | 2.06 | 511,708 | 511,708 | 44 | | | | | 3952.65 |
| 12/7/05 | 10:10 | 16.93 | 2.05 | 517,485 | 517,485 | | 16.12 | 32.48 | 6.8 | System shut down for winter | 3952.64 |

| Date | Time | Well 673 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/29/05 | | 9.9 | | | | | | | | well installed | 3959.54 |
| 7/11/05 | | 14.01 | | | | | | | | well developed | 3955.43 |
| 8/9/05 | | 15.1 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.34 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:55 | 17.97 | | 7,003 | 7,003 | 48 | | | | | 3951.47 |
| 9/1/05 | 2:29 | 18.46 | 7.68 | 13,459 | 13,459 | 48 | | | | | 3950.98 |
| 9/6/05 | 12:11 | 18.37 | 7.41 | 26,155 | 26,155 | 48 | | | | | 3951.07 |
| 9/8/05 | 15:13 | 18.68 | 7.58 | 48,919 | 48,919 | 47 | | | | | 3950.76 |
| 9/12/05 | 10:20 | 18.21 | 7.41 | 61,516 | 61,516 | 48 | | | | | 3951.23 |
| 9/15/05 | 2:00 | 18.52 | 7.33 | 94,262 | 94,262 | 47 | 16.08 | 38.83 | 6.67 | | 3950.92 |
| 9/19/05 | 10:12 | 18.35 | 7.37 | 106,990 | 106,990 | 48 | | | | | 3951.09 |
| 9/22/05 | 10:40 | 18.96 | 7.51 | 138,584 | 138,584 | 48 | 16.07 | 40.02 | 6.93 | | 3950.48 |
| 9/25/05 | 10:04 | 18.94 | 7.5 | 172,147 | 172,147 | 47 | | | | | 3950.5 |
| 9/29/05 | 11:48 | 19.04 | 7.32 | 204,706 | 204,706 | 48 | | | | | 3950.4 |
| 10/3/05 | 10:52 | 19.11 | 7.32 | 246,241 | 246,241 | 47 | | | | | 3950.33 |
| 10/6/05 | 10:52 | 19.42 | 7.26 | 276,991 | 276,991 | 48 | 15.97 | 51.11 | 6.88 | | 3950.02 |
| 10/10/05 | 11:20 | 19.42 | 7.27 | 317,859 | 317,859 | 48 | | | | | 3950.02 |
| 10/13/05 | 9:52 | 19.47 | 7.29 | 347,689 | 347,689 | 48 | 15.89 | 55.46 | 6.76 | | 3949.97 |
| 10/17/05 | 10:24 | 19.61 | 7.26 | 388,560 | 388,560 | 48 | | | | New flow rate 2.45 | 3949.83 |
| 10/20/05 | 10:13 | 17.02 | 2.32 | 399,084 | 399,084 | 42 | 16.45 | 43.328 | 6.67 | | 3952.42 |
| 10/24/05 | 10:22 | 16.95 | 2.29 | 412,442 | 412,442 | 45 | | | | | 3952.49 |
| 10/27/05 | 10:16 | 16.87 | 2.2 | 422,021 | 422,021 | 44 | 16.7 | 37.67 | 6.75 | | 3952.57 |
| 10/31/05 | 11:22 | 16.85 | 2.25 | 435,100 | 435,100 | 44 | | | | | 3952.59 |
| 11/3/05 | 10:12 | 16.81 | 2.31 | 444,649 | 444,649 | 44 | 16.76 | 27.497 | 6.97 | | 3952.63 |
| 11/7/05 | 11:09 | 16.9 | 2.3 | 457,830 | 457,830 | 45 | | | | | 3952.54 |
| 11/10/05 | 9:56 | 16.88 | 2.32 | 464,853 | 464,853 | 44 | 16.7 | 36.41 | 6.65 | | 3952.56 |
| 11/14/05 | 10:45 | 16.87 | 2.25 | 480,477 | 480,477 | 44 | | | | | 3952.57 |
| 11/17/05 | 11:24 | 16.91 | 2.25 | 490,127 | 490,127 | 44 | 16.61 | 32.668 | 6.91 | | 3952.53 |
| 11/23/05 | 11:15 | 16.98 | 2.25 | 509,574 | 509,574 | 44 | 16.64 | 33.213 | 6.78 | | 3952.46 |
| 11/28/05 | 11:08 | 17.03 | 2.27 | 525,708 | 525,708 | 45 | | | | | 3952.41 |
| 12/1/05 | 10:35 | 17.01 | 2.27 | 535,346 | 535,346 | 44 | 16.56 | 33.438 | 6.77 | | 3952.43 |
| 12/5/05 | 10:58 | 16.98 | 2.24 | 548,378 | 548,378 | 45 | | | | | 3952.46 |
| 12/7/05 | 10:10 | 16.97 | 2.25 | 554,786 | 554,786 | | 16.46 | 36.24 | 6.75 | System shut down for winter | 3952.47 |

| Date | Time | Well 674 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* | | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| | | | | raw data | corrected | | | | | | |
| 6/29/05 | | 9.5 | | | | | | | | well installed | 3959.99 |
| 7/11/05 | | 14.34 | | | | | | | | well developed | 3955.15 |
| 8/10/05 | | 14.93 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.56 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:56 | 17.77 | | 3,464 | 3,464 | 48 | | | | | 3951.72 |
| 9/1/05 | 2:37 | 17.72 | | 8,774 | 8,774 | 47 | | | | | 3951.77 |
| 9/6/05 | 12:13 | 17.23 | | 5,040 | | 48 | | | | Old flow meter | 3952.26 |
| 9/8/05 | 15:17 | 17.68 | | 5,806 | | 46 | | | | | 3951.81 |
| 9/12/05 | 10:25 | 17.86 | | 2,152 | | 48 | | | | Old flow meter | 3951.63 |
| 9/15/05 | 2:05 | 17.15 | | | | | | | | Replaced meter | 3952.34 |
| 9/19/05 | 10:15 | 16.98 | | | | | | | | Meter being repaired | 3952.51 |
| 9/22/05 | 10:43 | 18.41 | 5.59 | 8,767 | 17,541 | 46 | 16.55 | 33.92 | 6.9 | | 3951.08 |
| 9/25/05 | 10:06 | 18.08 | 3.35 | 31,637 | 40,411 | 46 | | | | | 3951.41 |
| 9/29/05 | 11:51 | 18.33 | 4.92 | 47,262 | 56,036 | 47 | | | | | 3951.16 |
| 10/3/05 | 10:55 | 18.01 | 2.98 | 69,015 | 77,789 | 48 | | | | | 3951.48 |
| 10/6/05 | 10:55 | 18.81 | 5.57 | 23,335 | 32,109 | 48 | 16.29 | 21.61 | 6.83 | | 3950.68 |
| 10/10/05 | 11:22 | 18.81 | 5.58 | 122,248 | 131,022 | 48 | | | | | 3950.68 |
| 10/13/05 | 9:54 | 18.84 | 5.6 | 145,073 | 153,847 | 48 | 16.2 | 45.49 | 6.78 | | 3950.65 |
| 10/17/05 | 10:28 | 18.93 | 5.65 | 177,079 | 185,853 | 48 | | | | New flow rate 2.12 | 3950.56 |
| 10/20/05 | 10:15 | 16.92 | 2.01 | 186,570 | 195,344 | 44 | 17 | 37.314 | 6.68 | | 3952.57 |
| 10/24/05 | 10:24 | 16.82 | 2.04 | 198,226 | 207,000 | 45 | | | | | 3952.67 |
| 10/27/05 | 10:18 | 16.75 | 2.05 | 206,903 | 215,677 | 44 | 17.02 | 34.49 | 6.72 | | 3952.74 |
| 10/31/05 | 11:25 | 16.75 | 2.06 | 218,892 | 227,666 | 44 | | | | | 3952.74 |
| 11/3/05 | 10:14 | 16.82 | 2.09 | 227,576 | 236,350 | 44 | 17.01 | 32.29 | 6.85 | | 3952.67 |
| 11/7/05 | 11:11 | 16.81 | 2.09 | 239,623 | 248,397 | 45 | | | | | 3952.68 |
| 11/10/05 | 9:58 | 16.82 | 2.09 | 246,061 | 254,835 | 44 | 17.1 | 32.07 | 6.67 | | 3952.67 |
| 11/14/05 | 10:48 | 16.78 | 2.09 | 260,447 | 269,221 | 44 | | | | | 3952.71 |
| 11/17/05 | 11:26 | 16.84 | 2.11 | 269,280 | 278,054 | 44 | 16.74 | 30.378 | 6.85 | | 3952.65 |
| 11/23/05 | 11:16 | 16.88 | 2.097 | 287,018 | 295,792 | 44 | 16.87 | 31 | 6.74 | | 3952.61 |
| 11/28/05 | 11:09 | 16.95 | 2.07 | 301,653 | 310,427 | 45 | | | | | 3952.54 |
| 12/1/05 | 10:40 | 16.94 | 2.19 | 310,437 | 319,211 | 45 | 16.72 | 29.912 | 6.81 | | 3952.55 |
| 12/5/05 | 11:00 | 16.87 | 2.06 | 322,251 | 331,025 | 45 | | | | | 3952.62 |
| 12/7/05 | 10:10 | 16.86 | 2.05 | 328,046 | 336,820 | | 16.5 | 32.38 | 6.76 | System shut down for winter | 3952.63 |

| Date | Time | Well 675 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/29/05 | | 9.1 | | | | | | | | well installed | 3960.54 |
| 7/11/05 | | 12.17 | | | | | | | | well developed | 3957.47 |
| 8/10/05 | | 13.94 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3955.7 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:57 | 17.36 | | 3,115 | 3,115 | 47 | | | | | |
| 9/1/05 | 2:41 | 17.79 | | 4,878 | 4,878 | 46 | | | | | |
| 9/6/05 | 12:15 | 17.62 | | 7,273 | 7,273 | 47 | | | | Old flow meter | |
| 9/8/05 | 15:21 | 16.95 | | 9,562 | 9,562 | | | | | Being redone for flow meter | 3952.69 |
| 9/12/05 | 10:30 | 17.38 | 7.03 | 895 | 895 | 47 | | | | R&R flow meter | 3952.26 |
| 9/15/05 | 2:07 | 17.36 | 7.09 | 32,387 | 32,387 . | 46 | 16.42 | 34.16 | 6.65 | | 3952.28 |
| 9/19/05 | 10:18 | 17.62 | 7.08 | 44,844 | 44,844 | 46 | | | | | 3952.02 |
| 9/22/05 | 10:45 | 14.89 | 6.87 | 65,331 | 65,331 | 46 | 16.47 | 34.35 | 6.85 | | 3954.75 |
| 9/26/05 | 10:08 | 18.28 | 7.12 | 103,997 | 103,997 | 45 | | | | | 3951.36 |
| 9/29/05 | 11:54 | 18.14 | 7.09 | 134,613 | 134,613 | 47 | | | | Noisey valve | 3951.5 |
| 10/3/05 | 10:58 | 18.21 | 7.11 | 174,891 | 174,891 | 47 | | | | | 3951.43 |
| 10/6/05 | 11:00 | 18.52 | 7.04 | 205,191 | 205,191 | 46 | 16.33 | 21.69 | 6.83 | | 3951.12 |
| 10/10/05 | 11:25 | 18.53 | 7.01 | 244,955 | 244,955 | 48 | | | | | 3951.11 |
| 10/13/05 | 9:56 | 18.56 | 7.01 | 273,663 | 273,663 | 48 | 16.27 | 43.47 | 6.76 | | 3951.08 |
| 10/17/05 | 10:30 | 18.71 | 6.98 | 312,253 | 312,253 | 48 | | | | New flow rate 2.73 | 3950.93 |
| 10/20/05 | 10:18 | 16.85 | 2.68 | 324,657 | 324,657 | 44 | 16.92 | 32.591 | 6.7 | | 3952.79 |
| 10/24/05 | 10:26 | 16.81 | 2.69 | 340,084 | 340,084 | 45 | | | | | 3952.83 |
| 10/27/05 | 10:20 | 16.76 | 2.68 | 351,549 | 351,549 | 44 | 16.96 | 30.91 | 6.78 | | 3952.88 |
| 10/31/05 | 11:28 | 16.73 | 2.74 | 367,283 | 367,283 | 44 | | | | | 3952.91 |
| 11/3/05 | 10:16 | 16.72 | 2.73 | 378,875 | 378,875 | 44 | 16.93 | 24.362 | 6.95 | | 3952.92 |
| 11/7/05 | 11:12 | 16.77 | 2.71 | 394,510 | 394,510 | 45 | | | | | 3952.87 |
| 11/10/05 | 10:00 | 16.78 | 2.7 | 402,817 | 402,817 | 44 | 17.1 | 28.06 | 6.69 | | 3952.86 |
| 11/14/05 | 10:50 | 16.74 | 2.66 | 421,115 | 421,115 | 44 | | | | | 3952.9 |
| 11/17/05 | 11:28 | 16.77 | 2.66 | 432,462 | 432,462 | 44 | 16.9 | 27.743 | 6.85 | | 3952.87 |
| 11/23/05 | 11:18 | 16.85 | 2.68 | 455,295 | 455,295 | 44 | 16.98 | 27.677 | 6.81 | | 3952.79 |
| 11/28/05 | 11:11 | 16.92 | 2.66 | 474,086 | 474,086 | 44 | | | | | 3952.72 |
| 12/1/05 | 10:45 | 16.87 | 2.57 | 485,319 | 485,319 | 45 | 16.8 | 27.457 | 6.9 | | 3952.77 |
| 12/5/05 | 11:02 | 16.89 | 2.63 | 500,428 | 500,428 | 44 | | | | | 3952.75 |
| 12/7/05 | 10:10 | 16.8 | 2.65 | 507,822 | 507,822 | | 16.92 | 28.38 | 6.78 | System shut down for winter | 3952.84 |

| Date | Time | Well 676 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/29/05 | | 9.5 | | | | | | | | well installed | 3960.19 |
| 7/13/05 | | 14.03 | | | | | | | | well developed | 3955.66 |
| 8/10/05 | | 14.46 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3955.23 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 13:58 | 16.95 | | 8,048 | 8,048 | 47 | | | | | 3952.74 |
| 9/1/05 | 2:46 | 17.26 | | 8,864 | 8,864 | 46 | | | | | 3952.43 |
| 9/6/05 | 12:17 | 17.18 | | 4,846 | 4,846 | 48 | | | | Old flow meter | 3952.51 |
| 9/8/05 | 15:24 | 16.97 | | 4,027 | 4,027 | 46 | 16.87 | 28.34 | 6.72 | | 3952.72 |
| 9/12/05 | 10:32 | 16.79 | | 8,854 | 8,854 | 44 | | | | Old flow meter | 3952.9 |
| 9/15/05 | 2:10 | 17.31 | 6.87 | 11,939 | 11,939 | 46 | 16.66 | 24.84 | 6.73 | | 3952.38 |
| 9/19/05 | 10:20 | 17.26 | 6.97 | 13,894 | 13,894 | 46 | | | | | 3952.43 |
| 9/22/05 | 10:48 | 16.83 | | | | | | | | Fittings replaced with brass | 3952.86 |
| 9/26/05 | 10:10 | 17.69 | 6.7 | 77,289 | 77,289 | 45 | | | | | 3952 |
| 9/29/05 | 11:56 | 17.48 | 6.53 | 100,551 | | 47 | | | | Noisey valve | 3952.21 |
| 10/3/05 | 11:00 | 17.55 | 6.51 | 142,167 | 142,167 | 48 | | | | | 3952.14 |
| 10/6/05 | 11:05 | 17.75 | 6.48 | 169,529 | 169,529 | 48 | 16.57 | 27.81 | 6.9 | | 3951.94 |
| 10/10/05 | 11:28 | 17.75 | 6.47 | 206,036 | 206,036 | 48 | | | | | 3951.94 |
| 10/13/05 | 9:58 | 17.78 | 6.47 | 232,747 | 232,747 | 48 | 16.48 | 28.8 | 6.86 | | 3951.91 |
| 10/17/05 | 10:34 | 17.86 | 6.47 | 269,299 | 269,299 | 46 | | | | New flow rate 2.42 | 3951.83 |
| 10/20/05 | 10:20 | 16.58 | 2.3 | 280,101 | 280,101 | 42 | 17.2 | 25142 | 6.73 | | 3953.11 |
| 10/24/05 | 10:28 | 16.52 | 2.31 | 293,176 | 293,176 | 44 | | | | | 3953.17 |
| 10/27/05 | 10:22 | 16.49 | 2.27 | 302,770 | 302,770 | 44 | 17.17 | 26.01 | 6.76 | | 3953.2 |
| 10/31/05 | 11:30 | 16.45 | 2.28 | 316,115 | 316,115 | 44 | | | | | 3953.24 |
| 11/3/05 | 10:18 | 16.41 | 2.3 | 325,741 | 325,741 | 44 | 17.1 | 22.58 | 7 | | 3953.28 |
| 11/7/05 | 11:16 | 16.5 | 2.32 | 338,935 | 338,935 | 44 | | | | | 3953.19 |
| 11/10/05 | 10:02 | 16.54 | 2.29 | 347,013 | 347,013 | 44 | 17.3 | 24.66 | 6.69 | | 3953.15 |
| 11/14/05 | 11:00 | 16.5 | 2.31 | 361,721 | 361,721 | 44 | | | | | 3953.19 |
| 11/17/05 | 11:30 | 16.54 | 2.28 | 371,485 | 371,485 | 43 | 16.92 | 24.84 | 6.91 | | 3953.15 |
| 11/23/05 | 11:19 | 16.61 | 2.28 | 390,918 | 390,918 | 44 | 16.89 | 25.866 | 6.88 | | 3953.08 |
| 11/28/05 | 11:14 | 16.66 | 2.27 | 407,099 | 407,099 | 44 | | | | | 3953.03 |
| 12/1/05 | 10:50 | 16.65 | 2.22 | 416,817 | 416,817 | 45 | 16.71 | 25.82 | 6.88 | | 3953.04 |
| 12/5/05 | 11:05 | 16.59 | 2.28 | 429,854 | 429,854 | 44 | | | | | 3953.1 |
| 12/7/05 | 10:10 | 16.57 | 2.29 | 436,259 | 436,259 | | 16.98 | 24.82 | 6.79 | System shut down for winter | 3953.12 |

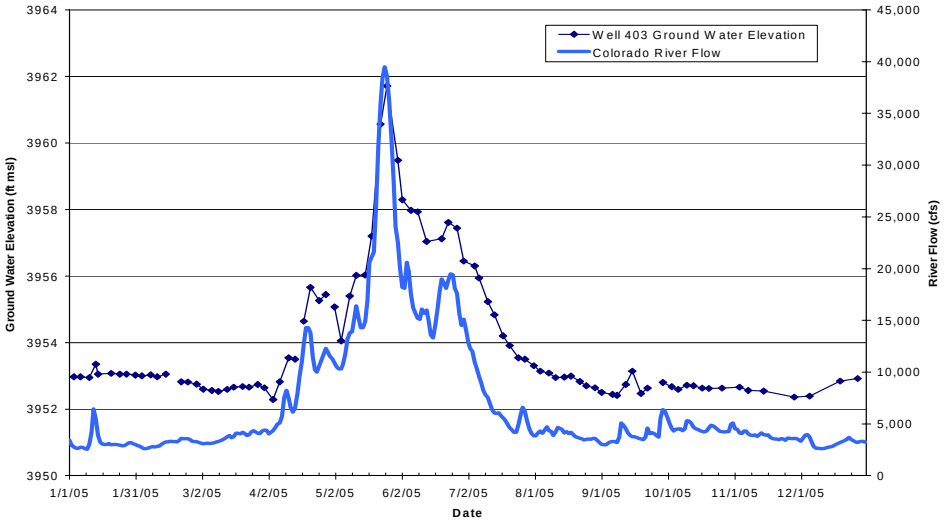
| Date | Time | Well 677 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/24/05 | | 8.6 | | | | | | | | well installed | 3961.01 |
| 7/13/05 | | 14.71 | | | | | | | | well developed | 3954.9 |
| 8/10/05 | | 14.67 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.94 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 14:00 | 16.9 | | 2,526 | 2,526 | 48 | | | | | 3952.71 |
| 9/1/05 | 2:50 | 17.36 | | 2,914 | 2,914 | 47 | | | | | 3952.25 |
| 9/6/05 | 12:19 | 17.12 | | 4,718 | 4,718 | 48 | | | | Old flow meter | 3952.49 |
| 9/8/05 | 15:29 | 17.03 | | 6,306 | 6,306 | 47 | 16.16 | 28.56 | 6.73 | | 3952.58 |
| 9/12/05 | 10:35 | 16.68 | | 8,275 | 8,275 | 48 | | | | Old flow meter | 3952.93 |
| 9/15/05 | 2:12 | 17.35 | 6.78 | 9,400 | 9,400 | 47 | 16.12 | 30.02 | 6.73 | | 3952.26 |
| 9/19/05 | 10:22 | 17.31 | 6.72 | 21,316 | 21,316 | 48 | | | | | 3952.3 |
| 9/22/05 | 10:50 | 17.23 | 6.63 | 42,842 | 42,842 | 44 | 16.28 | 30 | 7.02 | | 3952.38 |
| 9/26/05 | 10:12 | 17.71 | 6.71 | 79,942 | 79,942 | 46 | | | | | 3951.9 |
| 9/29/05 | 11:58 | 17.46 | 6.52 | 108,200 | 108,200 | 47 | | | | Noisey valve | 3952.15 |
| 10/3/05 | 11:03 | 17.58 | 6.38 | 144,191 | 144,191 | 45 | | | | | 3952.03 |
| 10/6/05 | 11:08 | 17.71 | 6.33 | 171,568 | 171,568 | 48 | 16 | 32.35 | 6.92 | | 3951.9 |
| 10/10/05 | 11:30 | 17.71 | 6.34 | 208,057 | 208,057 | 48 | | | | | 3951.9 |
| 10/13/05 | 10:00 | 17.74 | 6.34 | 234,767 | 234,767 | 48 | 15.99 | 34.37 | 6.89 | | 3951.87 |
| 10/17/05 | 10:36 | 17.84 | 6.34 | 271,319 | 271,319 | 46 | | | | New flow rate 2.15 | 3951.77 |
| 10/20/05 | 10:24 | 16.57 | 2.07 | 281,119 | 281,119 | 44 | 16.52 | 29.47 | 6.76 | | 3953.04 |
| 10/24/05 | 10:30 | 16.49 | 2.05 | 292,875 | 292,875 | 45 | | | | | 3953.12 |
| 10/27/05 | 10:24 | 16.46 | 2.09 | 301,674 | 301,674 | 45 | 16.64 | 28.87 | 6.86 | | 3953.15 |
| 10/31/05 | 11:32 | 16.44 | 2.1 | 313,867 | 313,867 | 44 | | | | | 3953.17 |
| 11/3/05 | 10:20 | 16.37 | 2.12 | 322,680 | 322,680 | 44 | 16.63 | 24.17 | 7.03 | | 3953.24 |
| 11/7/05 | 11:17 | 16.48 | 2.11 | 334,808 | 334,808 | 45 | | | | | 3953.13 |
| 11/10/05 | 10:06 | 16.51 | 2.12 | 341,367 | 341,367 | 44 | 16.6 | 28.27 | 6.72 | | 3953.1 |
| 11/14/05 | 11:05 | 16.47 | 2.15 | 355,936 | 355,936 | 44 | | | | | 3953.14 |
| 11/17/05 | 11:32 | 16.49 | 2.15 | 365,028 | 365,028 | 44 | 16.58 | 27.18 | 6.93 | | 3953.12 |
| 11/23/05 | 11:21 | 16.55 | 2.12 | 383,333 | 383,333 | 45 | 16.68 | 26.719 | 6.88 | | 3953.06 |
| 11/28/05 | 11:15 | 16.62 | 2.16 | 398,641 | 398,641 | 45 | | | | | 3952.99 |
| 12/1/05 | 10:55 | 16.63 | 2.17 | 407,897 | 407,897 | 45 | 16.56 | 27.252 | 6.96 | | 3952.98 |
| 12/5/05 | 11:07 | 16.57 | 2.2 | 420,418 | 420,418 | 45 | | | | | 3953.04 |
| 12/7/05 | 10:10 | 16.54 | 2.22 | 426,582 | 426,582 | | 16.44 | 28.71 | 6.81 | System shut down for winter | 3953.07 |

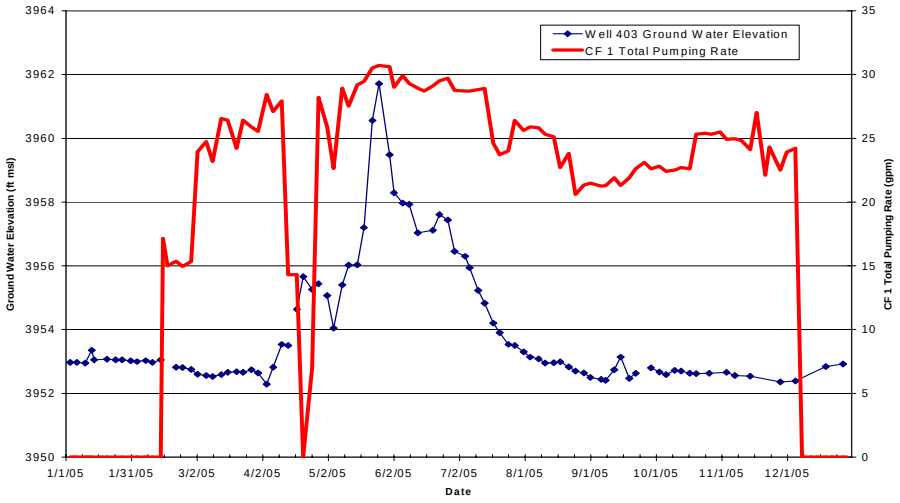
| Date | Time | Well 678 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/23/05 | | 8.5 | | | | | | | | well installed | 3961.15 |
| 7/13/05 | | 13.99 | | | | | | | | well developed | 3955.66 |
| 8/10/05 | | 13.92 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3955.73 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 14:01 | 16.65 | | 3,508 | 3,508 | 46 | | | | | 3953 |
| 9/1/05 | 2:54 | 16.28 | | 5,329 | 5,329 | 47 | | | | | 3953.37 |
| 9/6/05 | 12:22 | 16.84 | | 7,610 | 7,610 | 48 | | | | Old flow meter | 3952.81 |
| 9/8/05 | 15:34 | 16.86 | 7.18 | 3,440 | 3,440 | 46 | 16.54 | 28.5 | 6.71 | | 3952.79 |
| 9/12/05 | 10:40 | 16.25 | | 13,130 | 13,130 | 44 | | | | Pump off for pipe repairs | 3953.4 |
| 9/15/05 | 2:15 | 17.23 | 7.01 | 33,469 | 33,469 | 46 | 16.32 | 30.52 | 6.73 | | 3952.42 |
| 9/19/05 | 10:25 | 17.18 | 6.94 | 45,762 | 45,762 | 44 | | | | | 3952.47 |
| 9/22/05 | 10:55 | 17.19 | 7.01 | 75,421 | 75,421 | 46 | 16.31 | 30.54 | 7.04 | | 3952.46 |
| 9/26/05 | 10:15 | 17.56 | 7.09 | 113,874 | 113,874 | 45 | | | | | 3952.09 |
| 9/29/05 | 12:00 | 17.23 | 6.95 | 144,061 | 144,061 | 46 | | | | | 3952.42 |
| 10/3/05 | 11:05 | 17.39 | 6.97 | 183,320 | 183,320 | 46 | | | | | 3952.26 |
| 10/6/05 | 11:12 | 17.51 | 6.92 | 213,123 | 213,123 | 48 | 16.23 | 16.98 | 6.97 | | 3952.14 |
| 10/10/05 | 11:32 | 17.49 | 6.94 | 252,830 | 252,830 | 48 | | | | | 3952.16 |
| 10/13/05 | 10:02 | 17.51 | 6.95 | 281,317 | 281,317 | 46 | 16.15 | 32.51 | 6.84 | | 3952.14 |
| 10/17/05 | 10:38 | 17.61 | 6.92 | 319,887 | 319,887 | 46 | | | | New flow rate 2.75 | 3952.04 |
| 10/20/05 | 10:26 | 16.45 | 2.66 | 332,248 | 332,248 | 42 | 16.79 | 27.394 | 6.76 | | 3953.2 |
| 10/24/05 | 10:32 | 16.38 | 2.68 | 347,505 | 347,505 | 44 | | | | | 3953.27 |
| 10/27/05 | 10;26 | 16.32 | 2.74 | 359,129 | 359,129 | 44 | 16.76 | 28.03 | 6.8 | | 3953.33 |
| 10/31/05 | 11:34 | 16.29 | 2.74 | 375,153 | 375,153 | 44 | | | | | 3953.36 |
| 11/3/05 | 10:22 | 16.27 | 2.73 | 386,740 | 386,740 | 44 | 16.77 | 25.868 | 6.96 | | 3953.38 |
| 11/7/05 | 11:20 | 16.37 | 2.77 | 402,628 | 402,628 | 44 | | | | | 3953.28 |
| 11/10/05 | 10:08 | 16.39 | 2.8 | 411,185 | 411,185 | 44 | 16.9 | 27.12 | 6.73 | | 3953.26 |
| 11/14/05 | 11:07 | 16.36 | 2.78 | 430,081 | 430,081 | 44 | | | | | 3953.29 |
| 11/17/05 | 11:34 | 16.42 | 2.84 | 441,995 | 441,995 | 44 | 16.69 | 26.784 | 6.91 | | 3953.23 |
| 11/23/05 | 11:22 | 16.49 | 2.83 | 466,158 | 466,158 | 45 | 16.84 | 26.299 | 6.89 | | 3953.16 |
| 11/28/05 | 11:18 | 16.56 | 2.84 | 486,397 | 486,397 | 44 | | | | | 3953.09 |
| 12/1/05 | 11:00 | 16.65 | 2.88 | 498,548 | 498,548 | 44 | 16.66 | 27.47 | 6.85 | | 3953 |
| 12/5/05 | 11:10 | 16.52 | 2.85 | 514,979 | 514,979 | 44 | | | | | 3953.13 |
| 12/7/05 | 10:10 | 16.51 | 2.87 | 522,959 | 522,959 | | 16.55 | 27.56 | 6.82 | System shut down for winter | 3953.14 |

| Date | Time | Well 679 | | | | | | | | Comments | GW Elev (ft msl) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Depth to Water (ft btoc) | Flow Rate (gpm) | total vol (gls) *EXTRACTED* raw data | total vol (gls) *EXTRACTED* corrected | Pressure (psi) | Temp (°C) | Spec Cond µS/cm x1K | pH | | |
| 6/23/05 | | 8.8 | | | | | | | | well installed | 3960.79 |
| 7/13/05 | | 13.95 | | | | | | | | well developed | 3955.64 |
| 8/10/05 | | 14.61 | | | | | | | | baseline sampling (16/30/44 ft bgs) | 3954.98 |
| 8/18/05 | | | | | | | | | | initial pumping (1 day) | |
| 8/22/05 | | | | | | | | | | started pumping | |
| 8/23/05 | | | | | | | | | | started 100 gpm test (entire IA well field) | |
| 8/26/05 | | | | | | | | | | end of 100 gpm test | |
| 8/29/05 | 14:02 | 16.57 | | 8,409 | 8,409 | 0 | | | | | 3953.02 |
| 9/1/05 | 2:58 | 17.2 | | 9,024 | 9,024 | 46 | | | | | 3952.39 |
| 9/6/05 | 12:23 | 16.78 | | 0 | | 0 | | | | Broken | 3952.81 |
| 9/8/05 | 15:37 | 16.77 | | 5,775 | | | | | | Being repaired | 3952.82 |
| 9/12/05 | 10:45 | 16.22 | 4.98 | 65 | | 48 | | | | Turned off for 10 minutes | 3953.37 |
| 9/15/05 | 2:20 | 16.98 | 6.95 | 27,886 | 27,886 | 45 | 16.81 | 27.41 | 6.73 | | 3952.61 |
| 9/19/05 | 10:30 | 17.13 | 6.91 | 40,082 | 40,082 | 44 | | | | | 3952.46 |
| 9/22/05 | 10:58 | 17.11 | 7.04 | 77,728 | 77,728 | 44 | 16.75 | 27.2 | 6.9 | | 3952.48 |
| 9/25/05 | 10:16 | 17.48 | 7.02 | 116,186 | 116,186 | 44 | | | | | 3952.11 |
| 9/29/05 | 12:03 | 17.15 | 6.88 | 146,288 | 146,288 | 46 | | | | | 3952.44 |
| 10/3/05 | 11:08 | 17.61 | 7.1 | 185,758 | 185,758 | 47 | | | | | 3951.98 |
| 10/6/05 | 11:15 | 17.44 | 7.04 | 216,127 | 216,127 | 46 | 16.82 | 26.93 | 6.98 | | 3952.15 |
| 10/10/05 | 11:35 | 17.41 | 7.06 | 256,743 | 256,743 | 46 | | | | | 3952.18 |
| 10/13/05 | 10:04 | 17.42 | 7.08 | 286,570 | 286,570 | 45 | 16.75 | 26.67 | 6.87 | | 3952.17 |
| 10/17/05 | 10:40 | 17.55 | 7.04 | 325,226 | 325,226 | 48 | | | | New flow rate 2.33 | 3952.04 |
| 10/20/05 | 10:28 | 16.38 | 2.19 | 335,831 | 335,831 | 44 | 17.2 | 24.903 | 6.76 | | 3953.21 |
| 10/24/05 | 10:35 | 16.31 | 2.13 | 348,171 | 348,171 | 44 | | | | | 3953.28 |
| 10/27/05 | 10:28 | 16.29 | 2.19 | 357,366 | 357,366 | 44 | 17.16 | 25.58 | 6.86 | | 3953.3 |
| 10/31/05 | 11:36 | 16.24 | 2.17 | 370,000 | 370,000 | 44 | | | | | 3953.35 |
| 11/3/05 | 10:24 | 16.23 | 2.2 | 379,119 | 379,119 | 44 | 17.19 | 19.763 | 7.07 | | 3953.36 |
| 11/7/05 | 11:21 | 16.36 | 2.17 | 391,638 | 391,638 | 44 | | | | | 3953.23 |
| 11/10/05 | 10:10 | 16.35 | 2.16 | 398,387 | 398,387 | 44 | 17.3 | 24.46 | 6.72 | | 3953.24 |
| 11/14/05 | 11:10 | 16.32 | 2.18 | 413,332 | 413,332 | 44 | | | | | 3953.27 |
| 11/18/05 | 11:36 | 16.39 | 2.15 | 422,726 | 422,726 | 44 | 17.04 | 24.387 | 6.9 | | 3953.2 |
| 11/23/05 | 11:24 | 16.42 | 2.13 | 441,143 | 441,143 | 44 | 17.15 | 24.397 | 6.93 | | 3953.17 |
| 11/28/05 | 10:55 | 16.49 | 2.11 | 456,330 | 456,330 | | | | | | 3953.1 |
| 12/1/05 | 11:02 | 16.49 | 2.03 | 465,416 | 465,416 | 44 | 17 | 24.982 | 6.96 | | 3953.1 |
| 12/5/05 | 11:12 | 16.44 | 2.13 | 477,758 | 477,758 | 44 | | | | | 3953.15 |
| 12/7/05 | 10:10 | 16.44 | 2.17 | 483,792 | 483,792 | | 16.83 | 25.28 | 6.81 | System shut down for winter | 3953.15 |

# Appendix B−4

# Configuration 1 Observation Well Water Level Plots


Well 403 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3964
3962
3960
3958
3956
3954
3952
3950
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 403 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3964
3962
3960
3958
3956
3954
3952
3950
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
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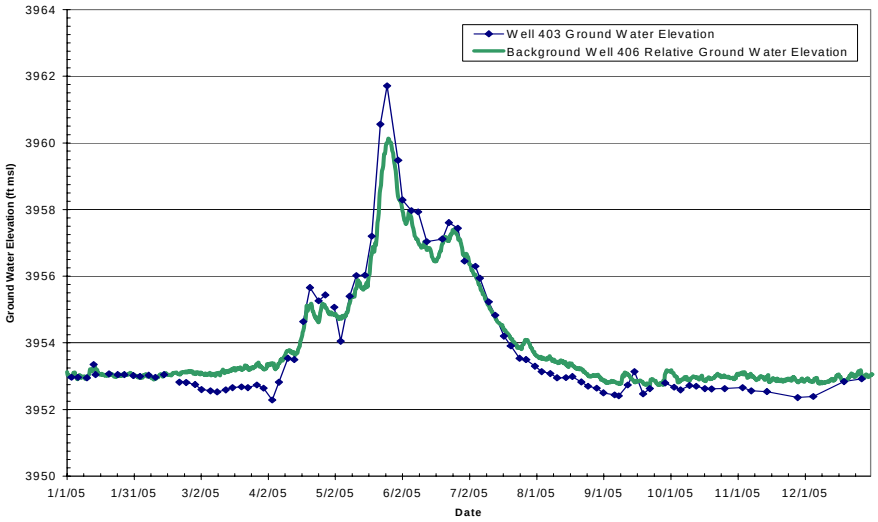
11/1/05
12/1/05


Well 403 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3964
3962
3960
3958
3956
3954
3952
3950
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
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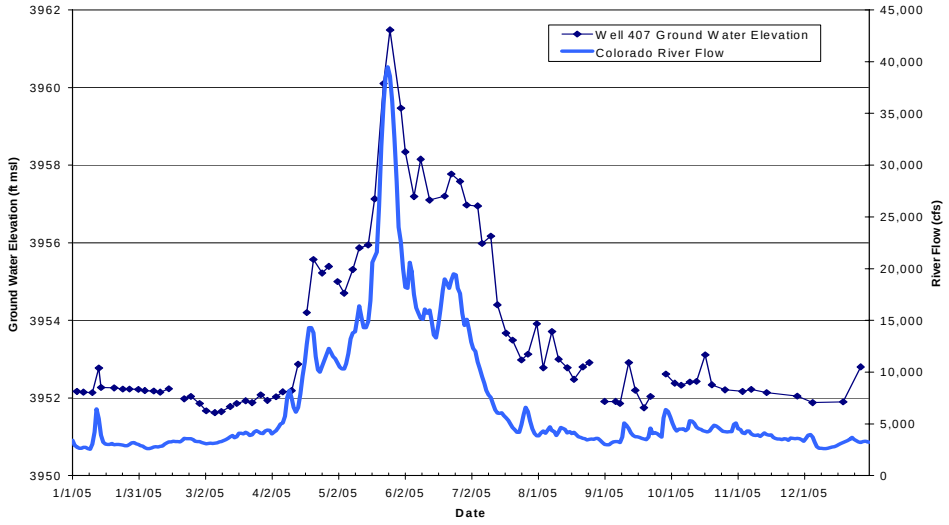
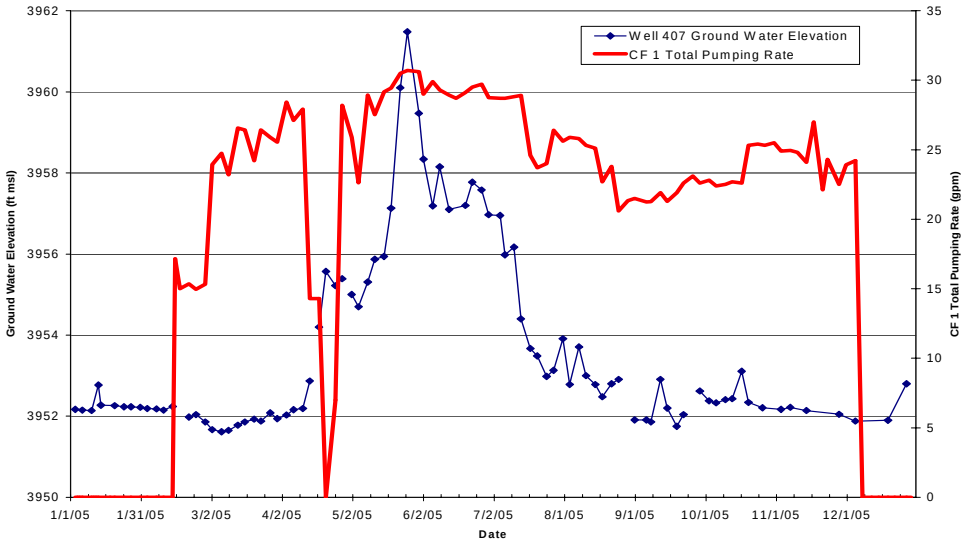
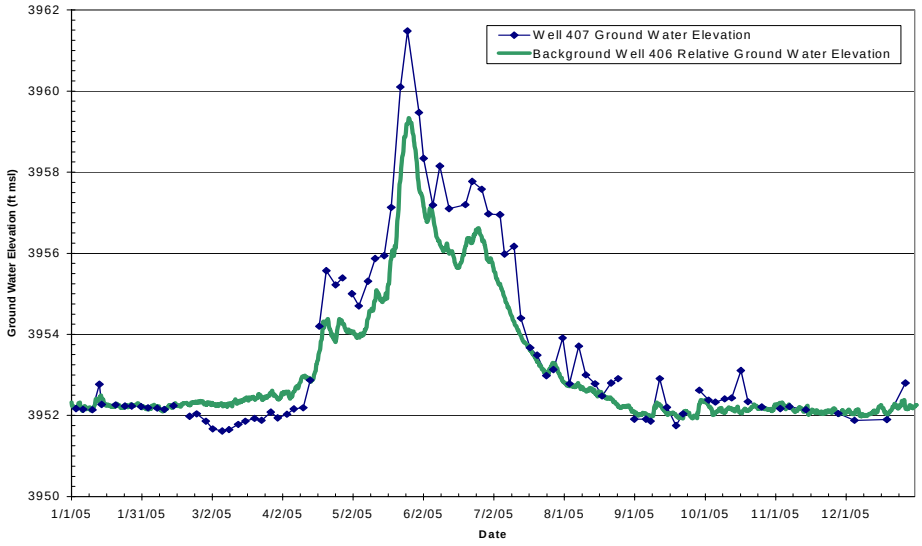
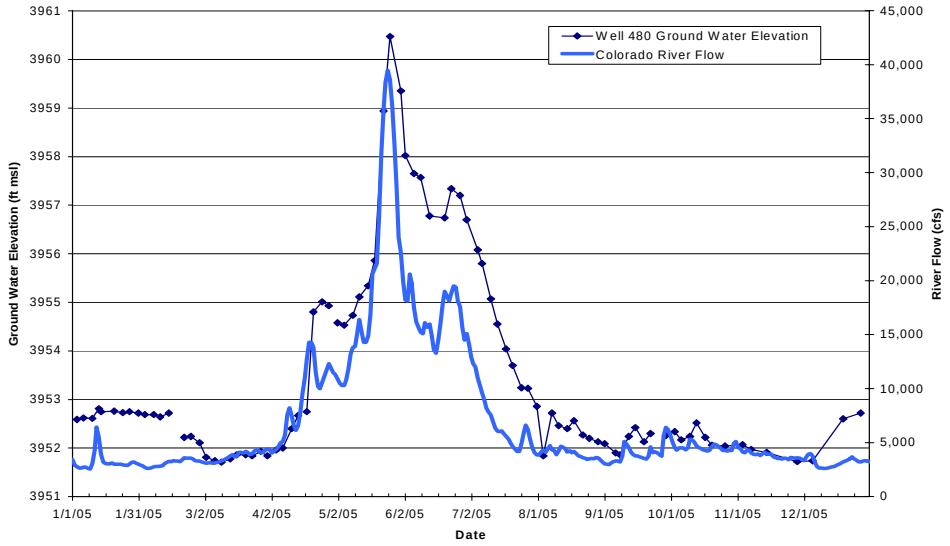
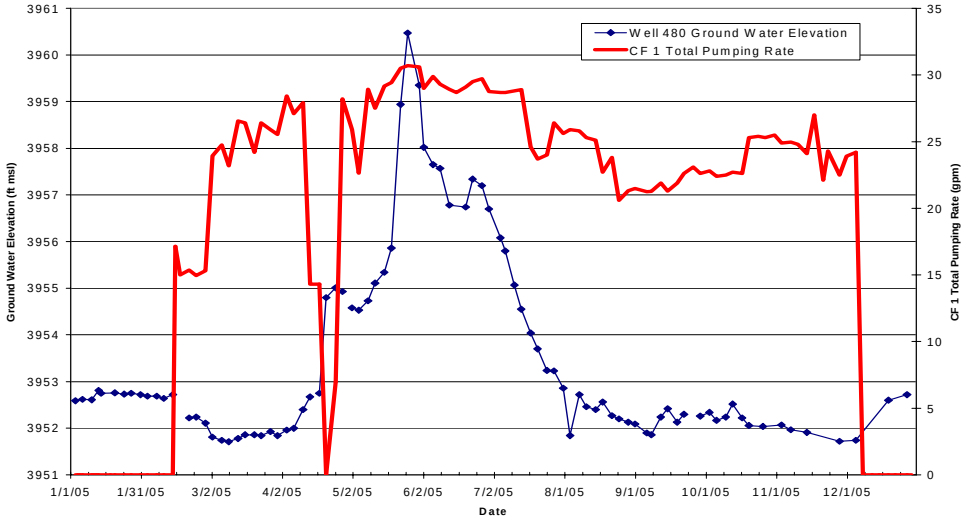
9/1/05
10/1/05
11/1/05
12/1/05

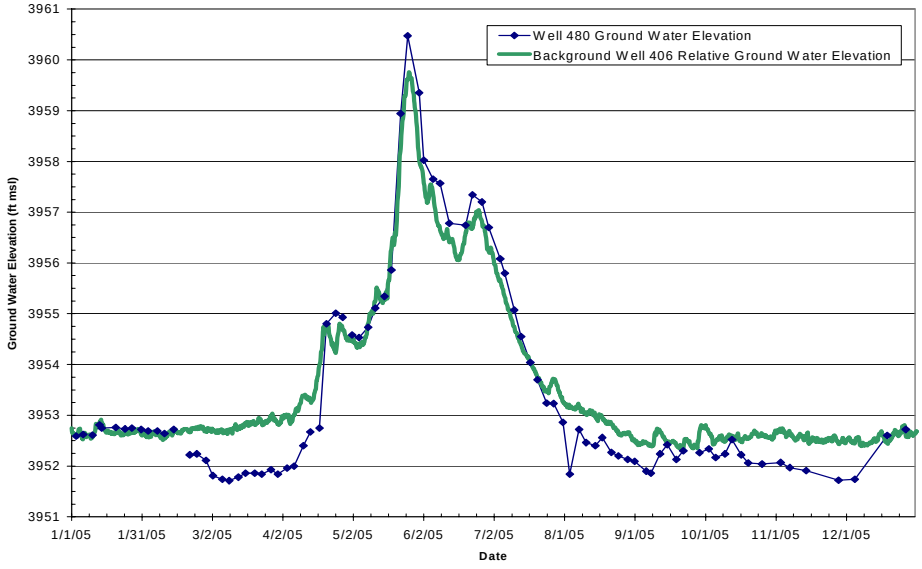

Well 407 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3962
3960
3958
3956
3954
3952
3950
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 407 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3962
3960
3958
3956
3954
3952
3950
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 407 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3962
3960
3958
3956
3954
3952
3950
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 480 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 480 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 480 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
1/1/05
1/31/05
3/2/05
4/2/05
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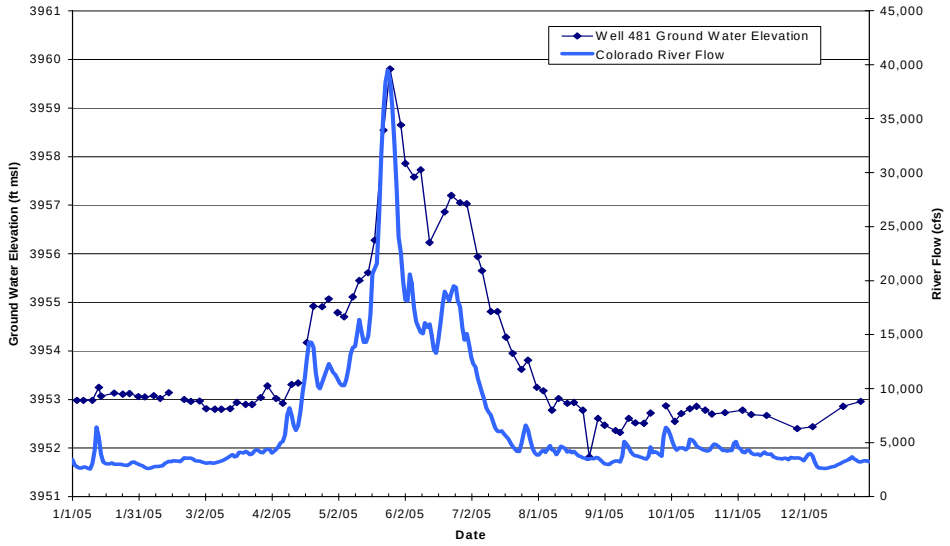
9/1/05
10/1/05
11/1/05
12/1/05


Well 481 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
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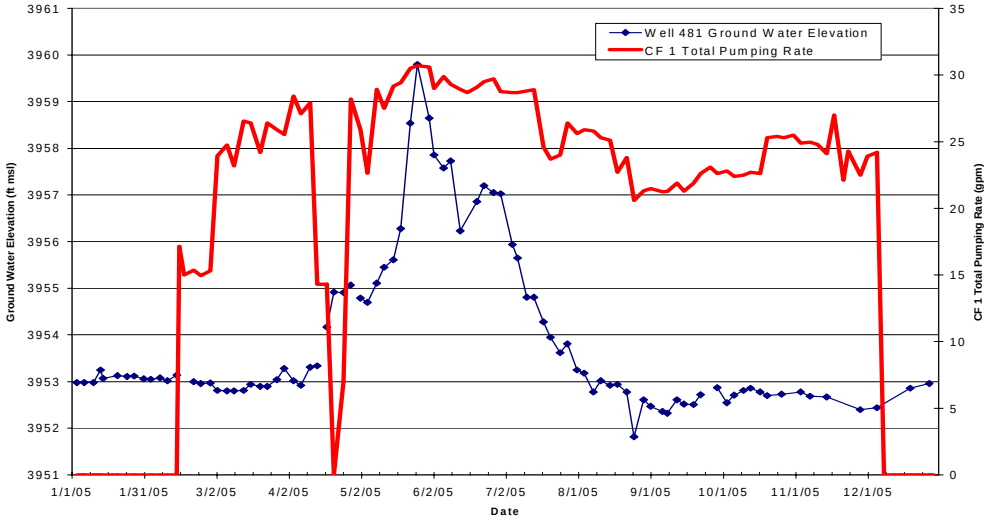
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 481 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
35
30
25
20
15
10
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0
1/1/05
1/31/05
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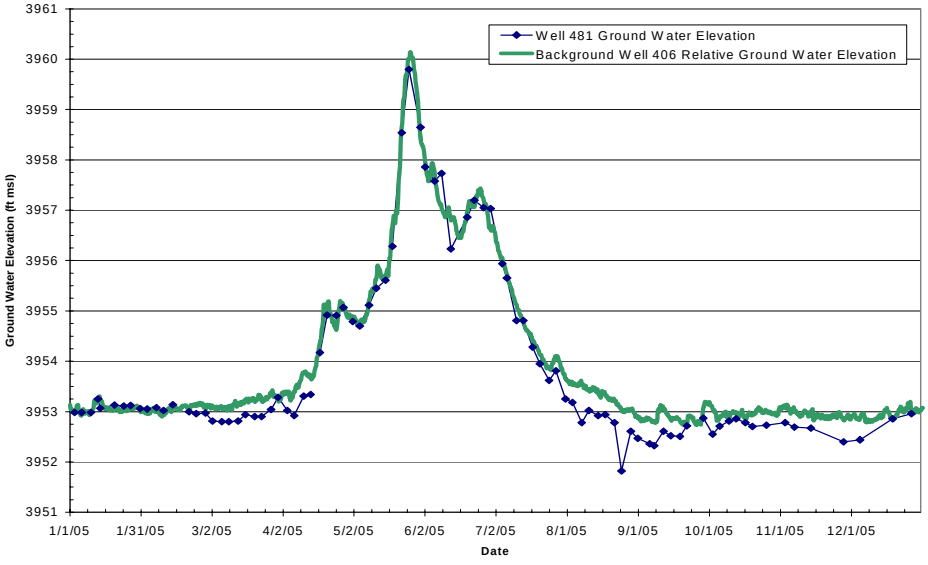
Well 481 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3961
3960
3959
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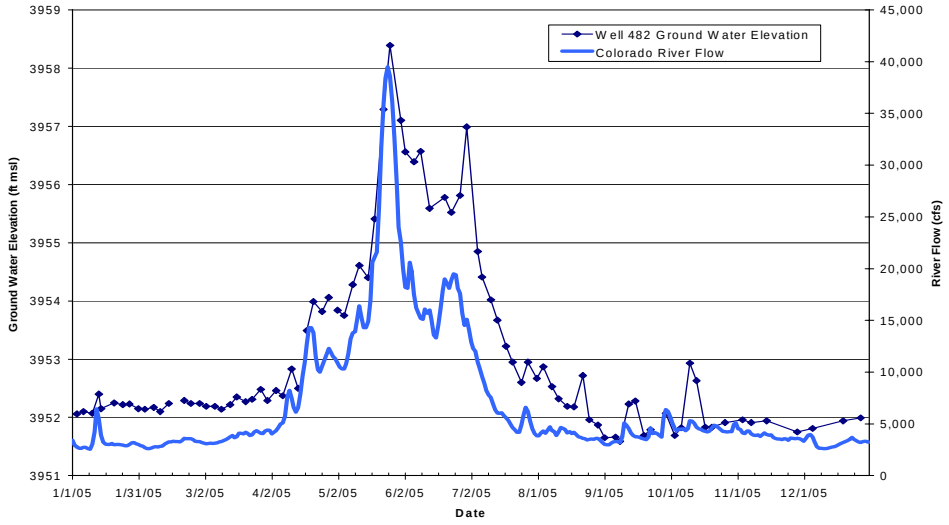
Well 482 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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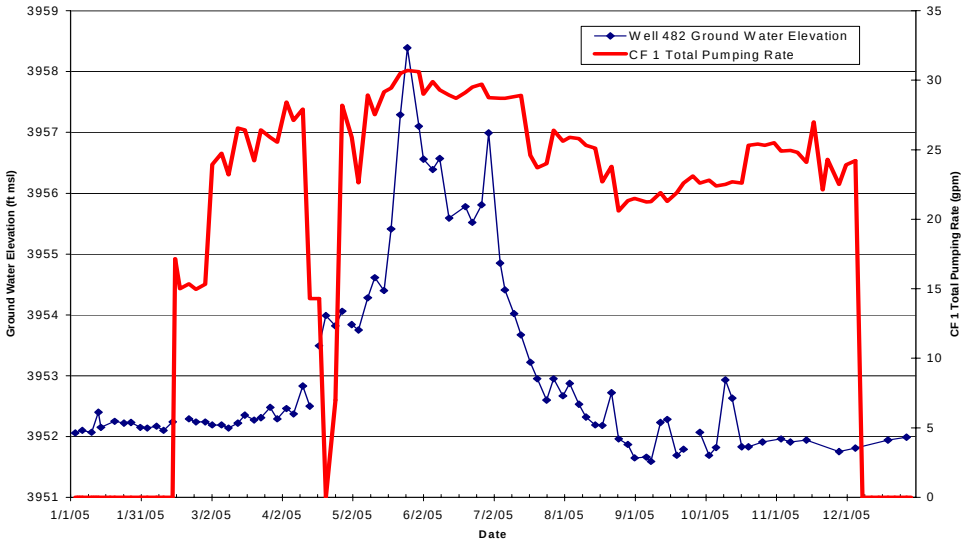
Well 482 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
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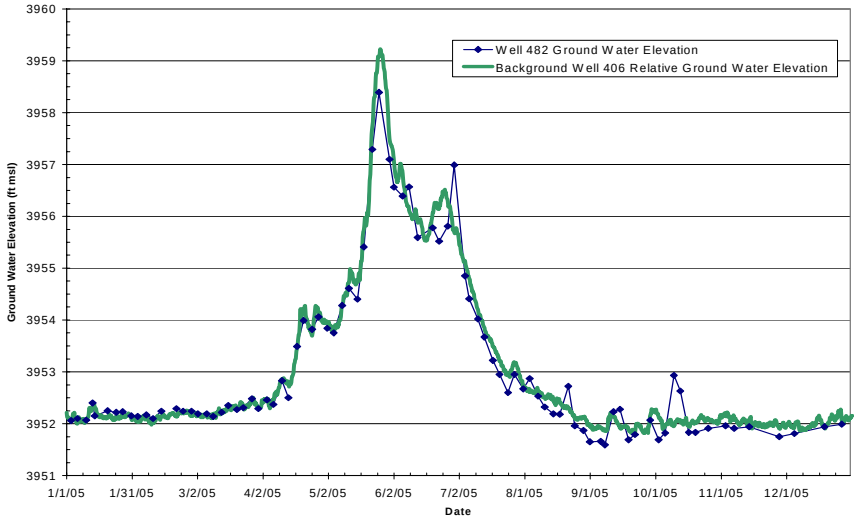
Well 482 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
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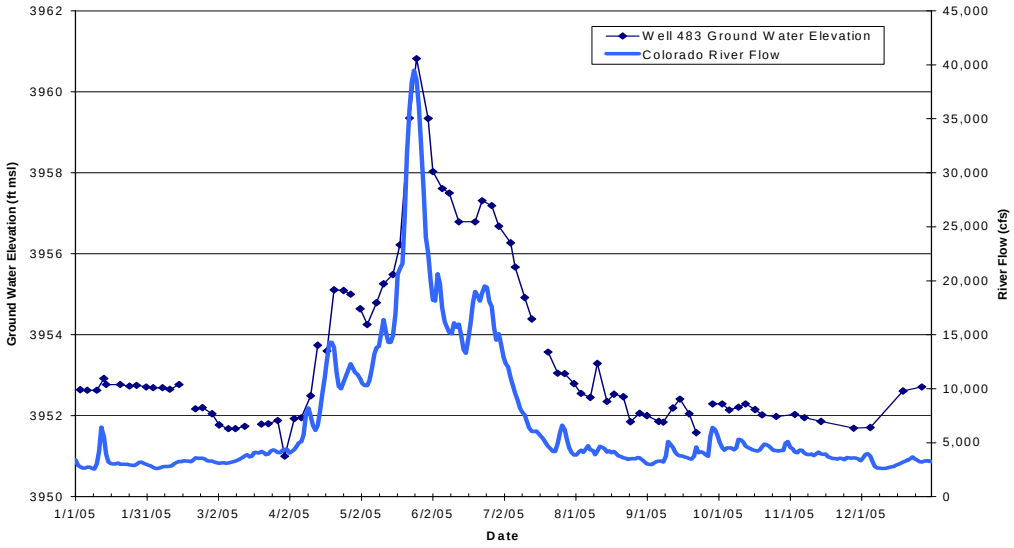
Well 483 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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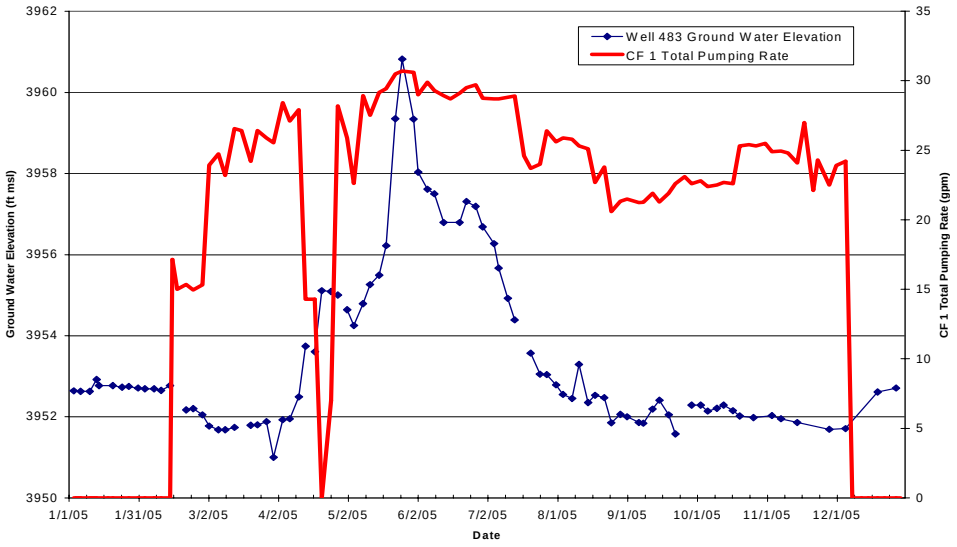
Well 483 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
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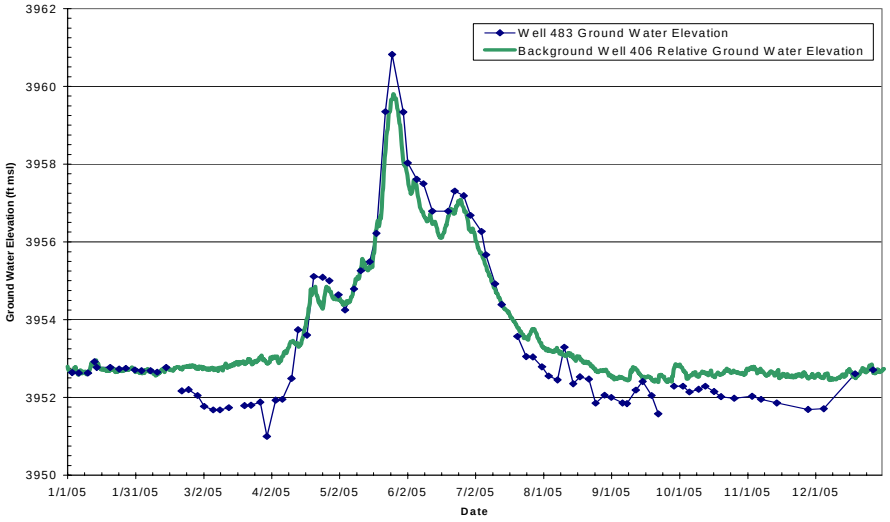
Well 483 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
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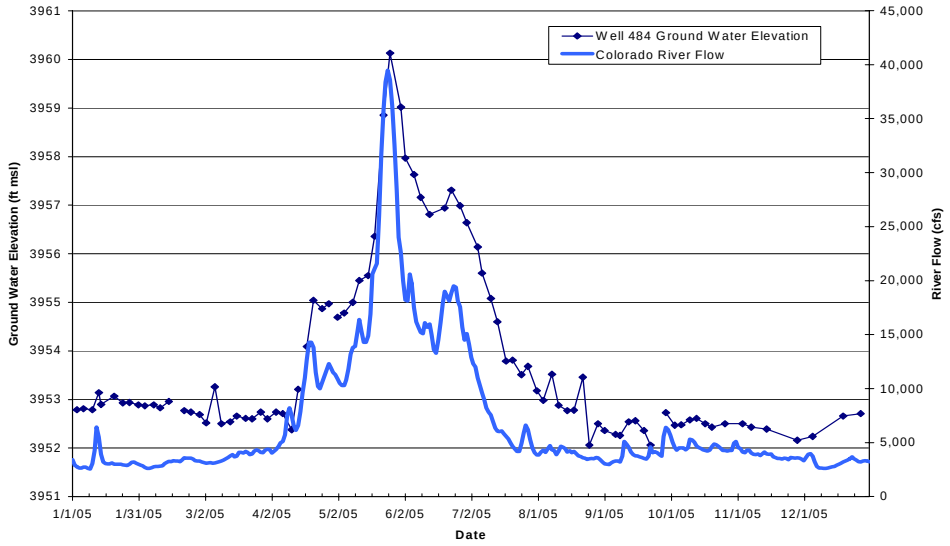
Well 484 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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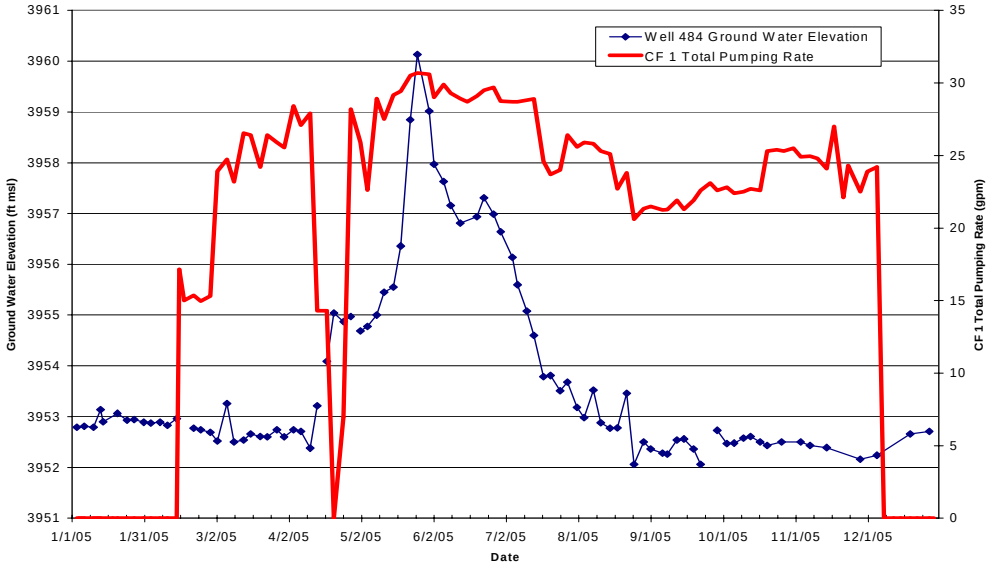
Well 484 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
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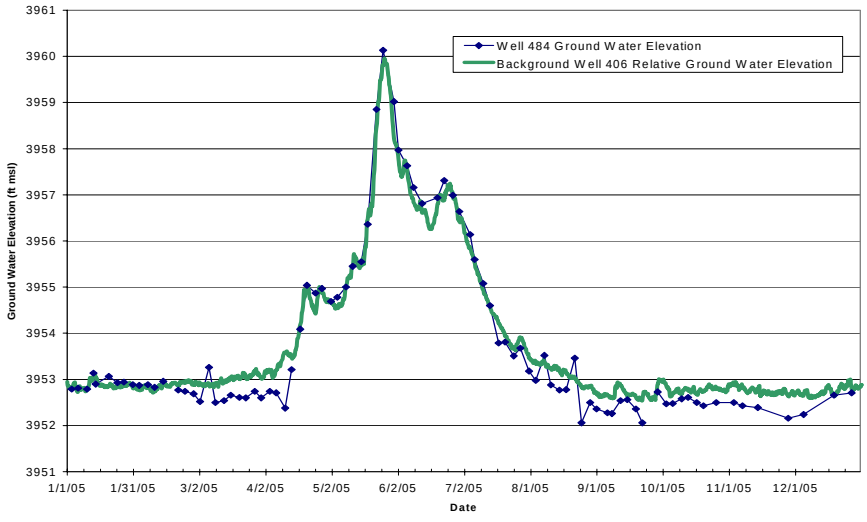
Well 484 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
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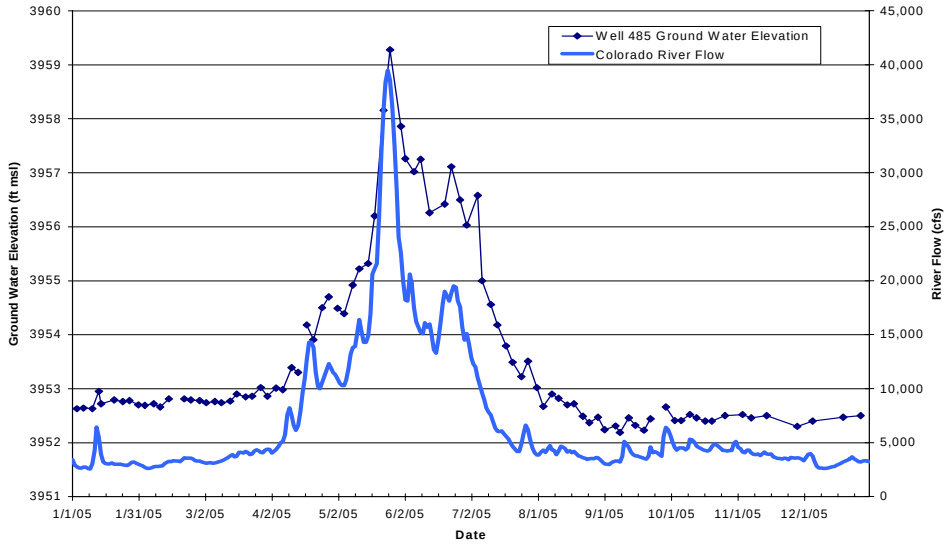
Well 485 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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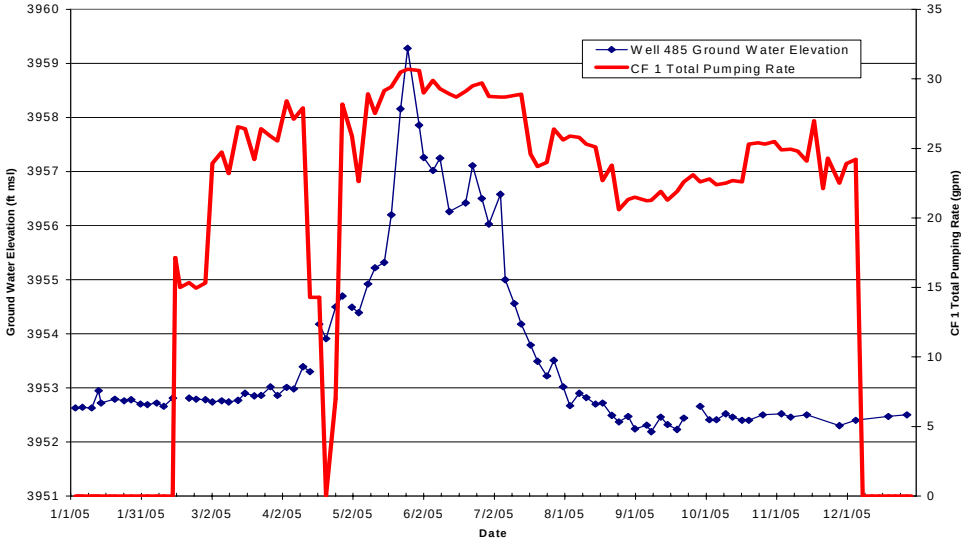
Well 485 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
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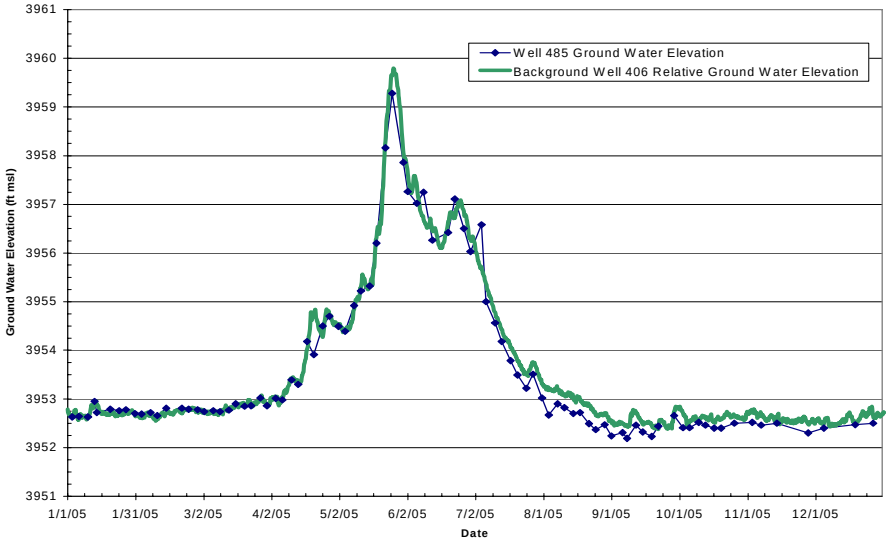
Well 485 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
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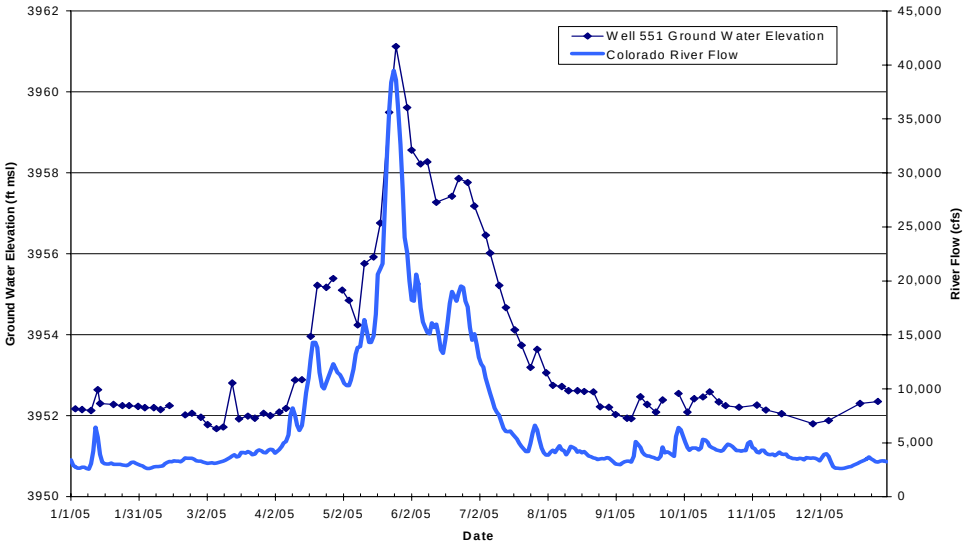
Well 551 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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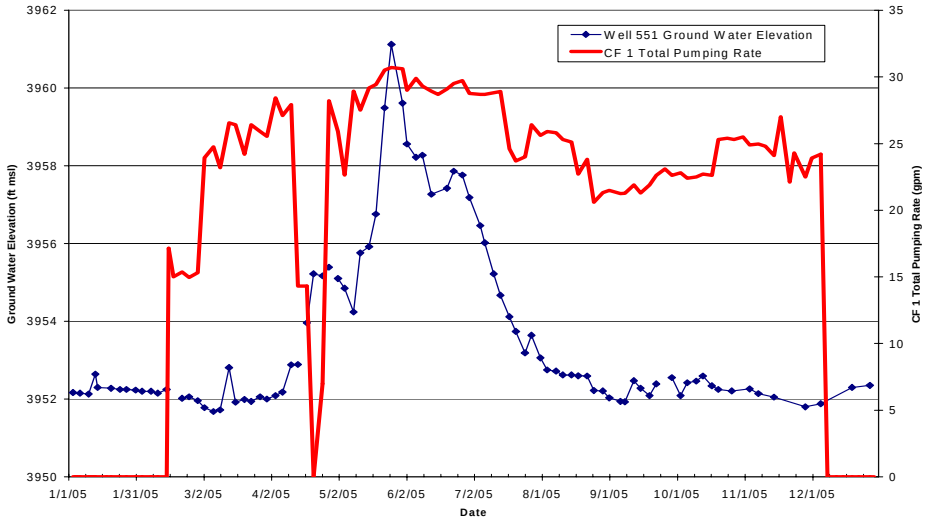
Well 551 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
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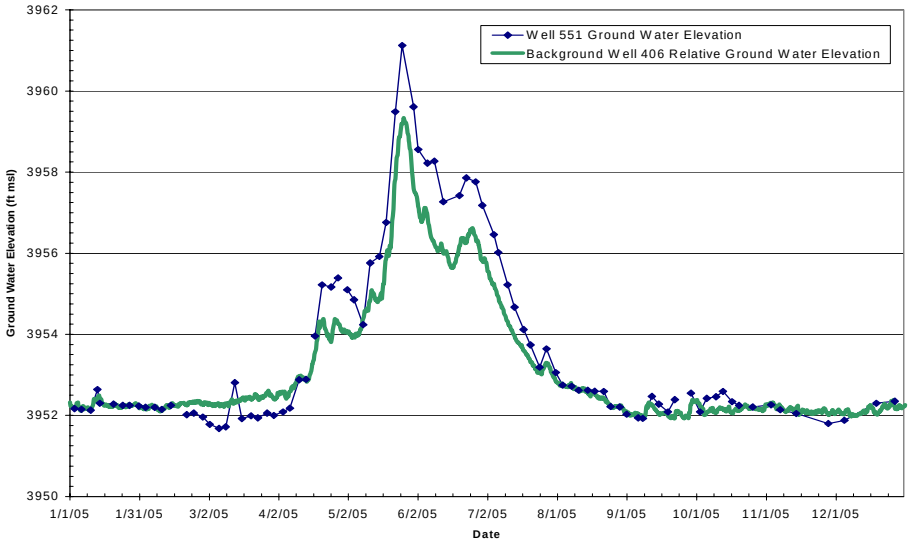
Well 551 Ground Water Elevation
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Ground Water Elevation (ft msl)
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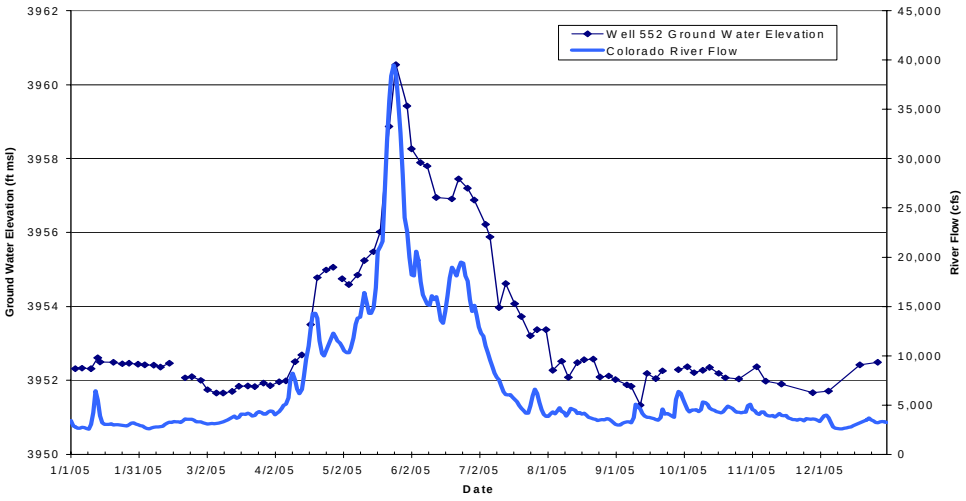
Well 552 Ground Water Elevation
Colorado River Flow
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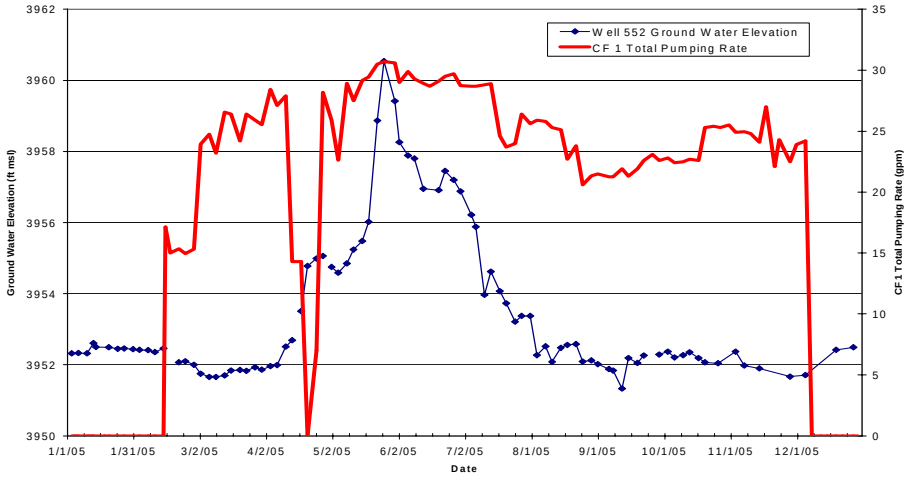
Well 552 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
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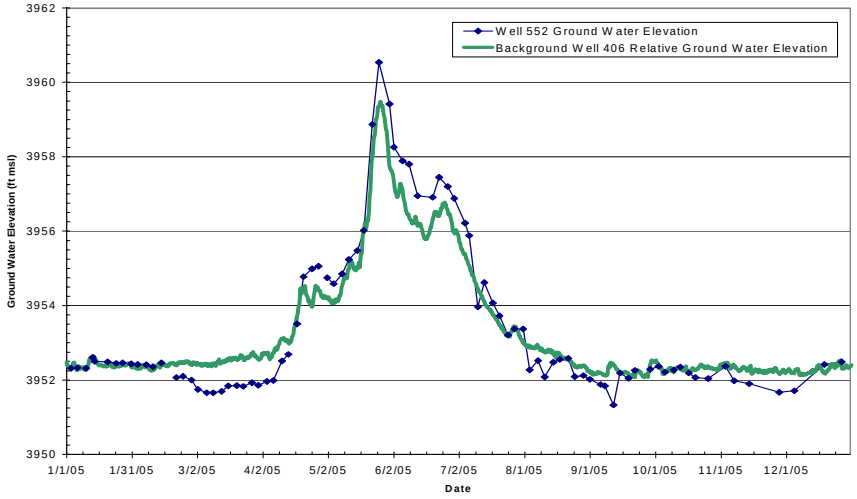
Well 552 Ground Water Elevation
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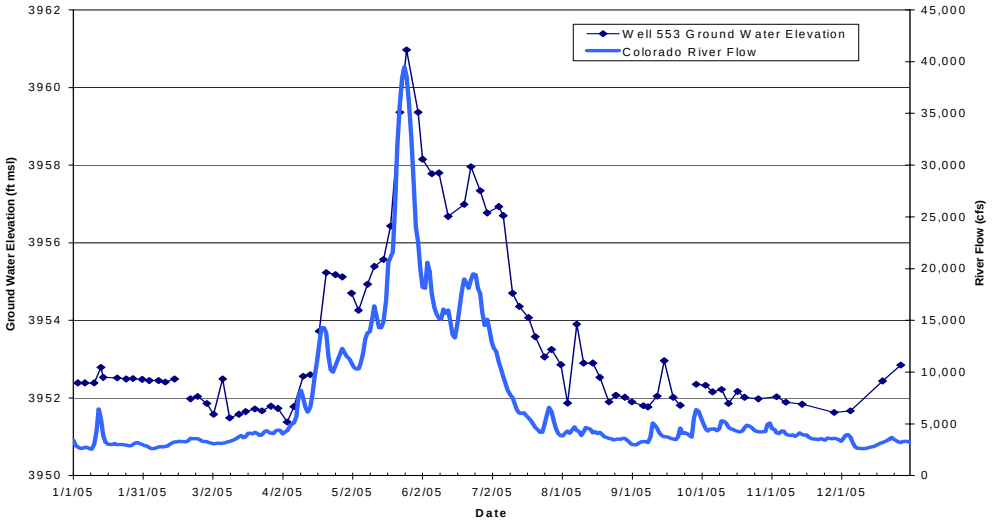
Well 553 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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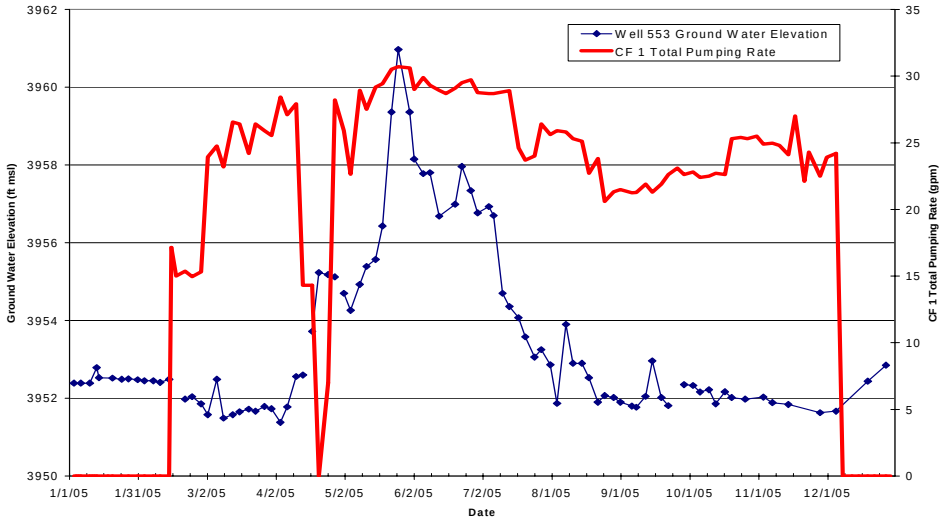
Well 553 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
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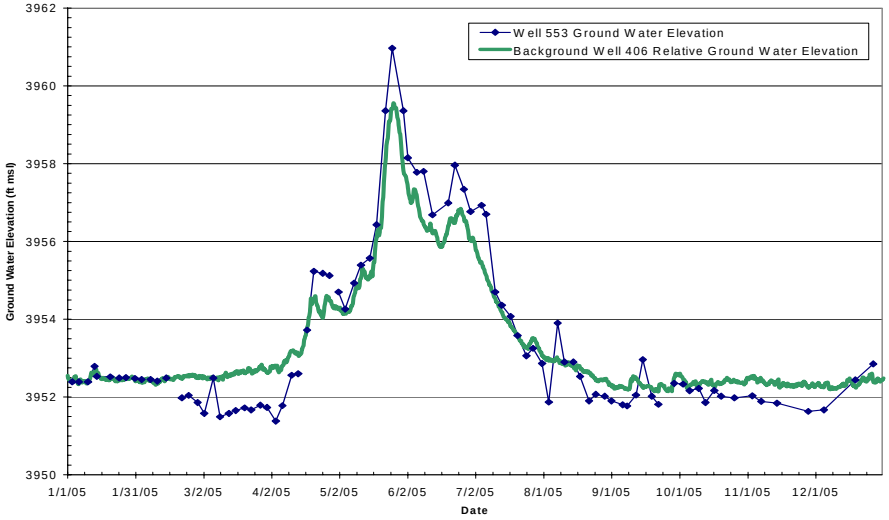
Well 553 Ground Water Elevation
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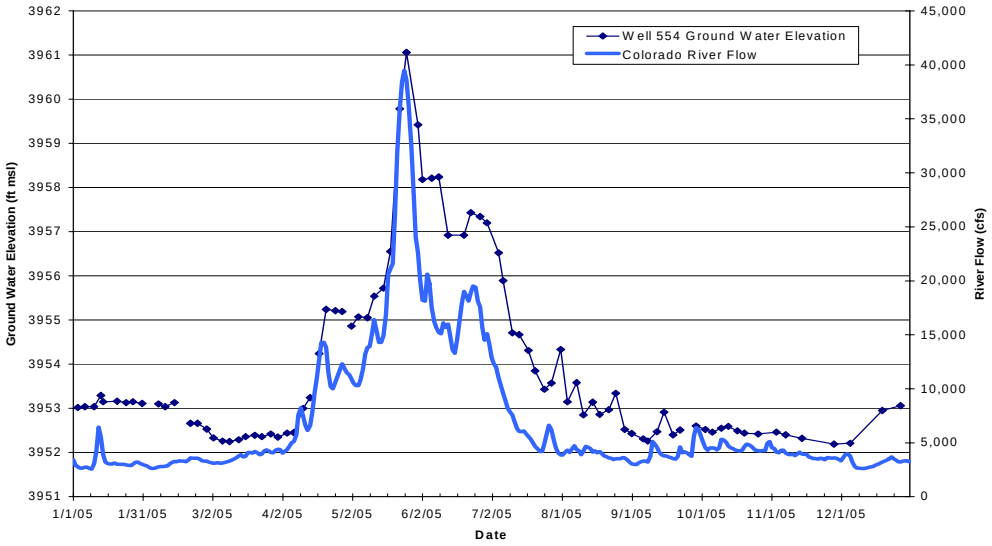
Well 554 Ground Water Elevation
Colorado River Flow
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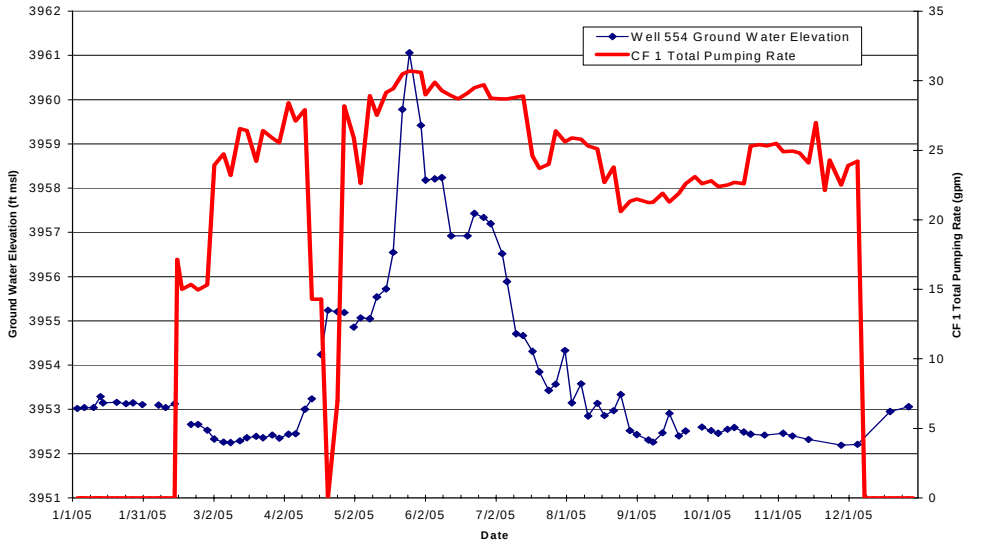
Well 554 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
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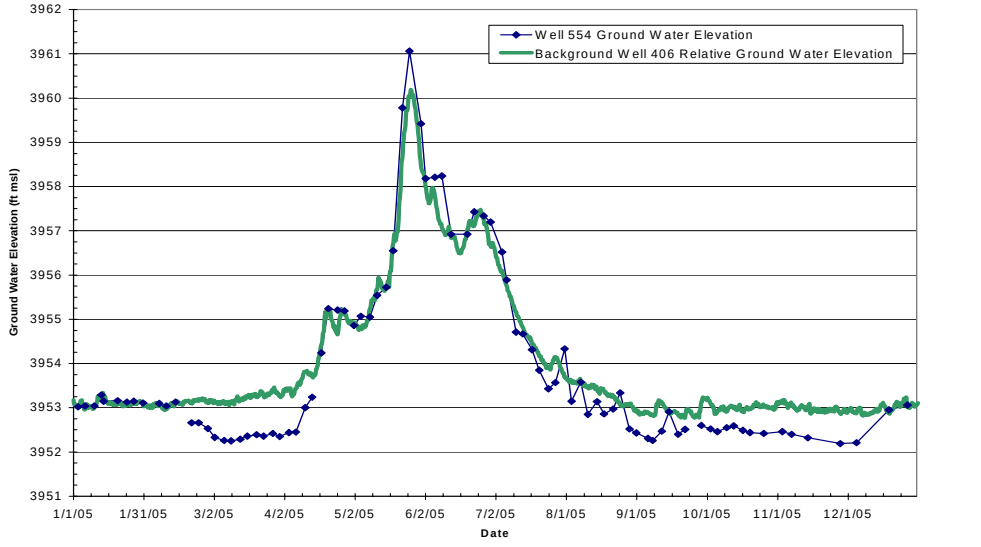
Well 554 Ground Water Elevation
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Ground Water Elevation (ft msl)
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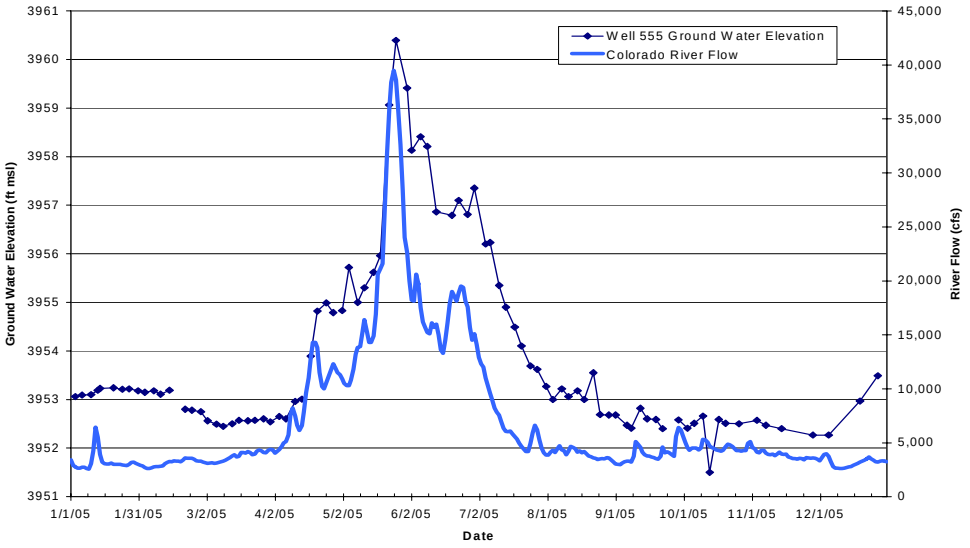
Well 555 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
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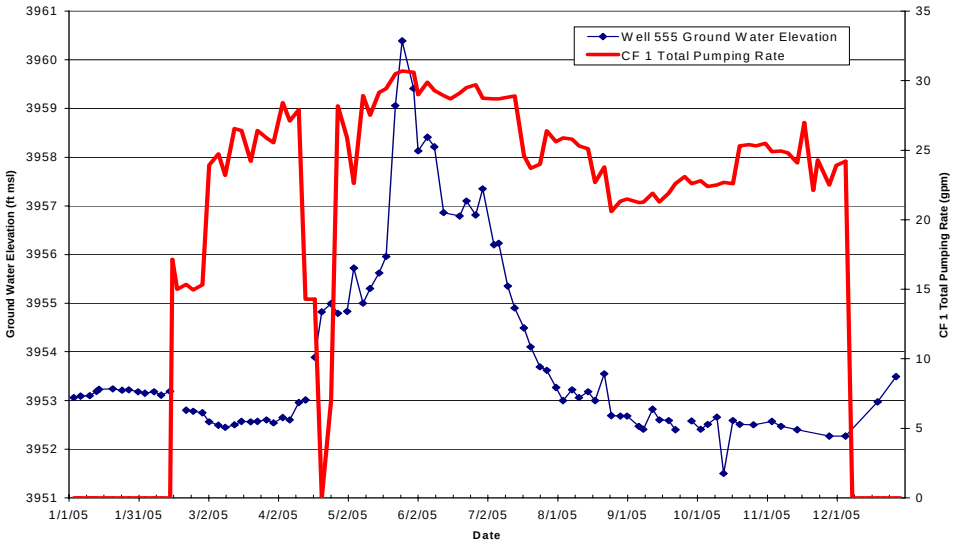
Well 555 Ground Water Elevation
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Ground Water Elevation (ft msl)
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3951
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
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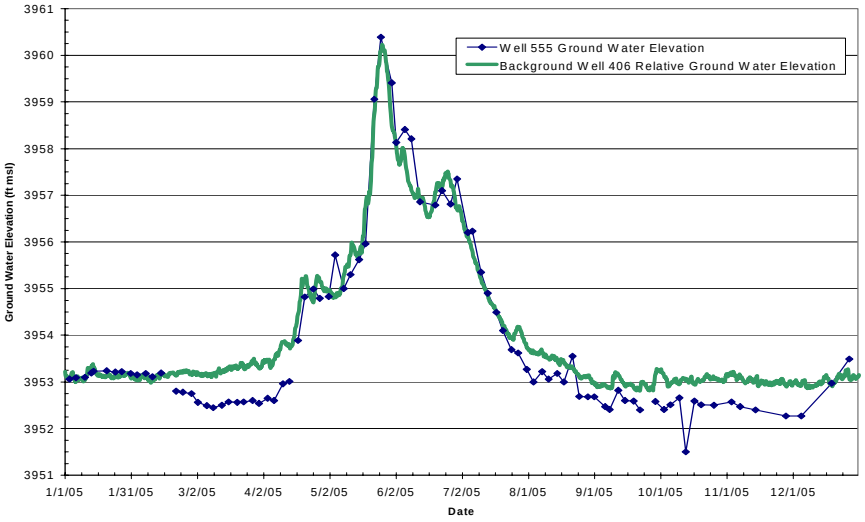
12/1/05


Well 555 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
1/1/05
1/31/05
3/2/05
4/2/05
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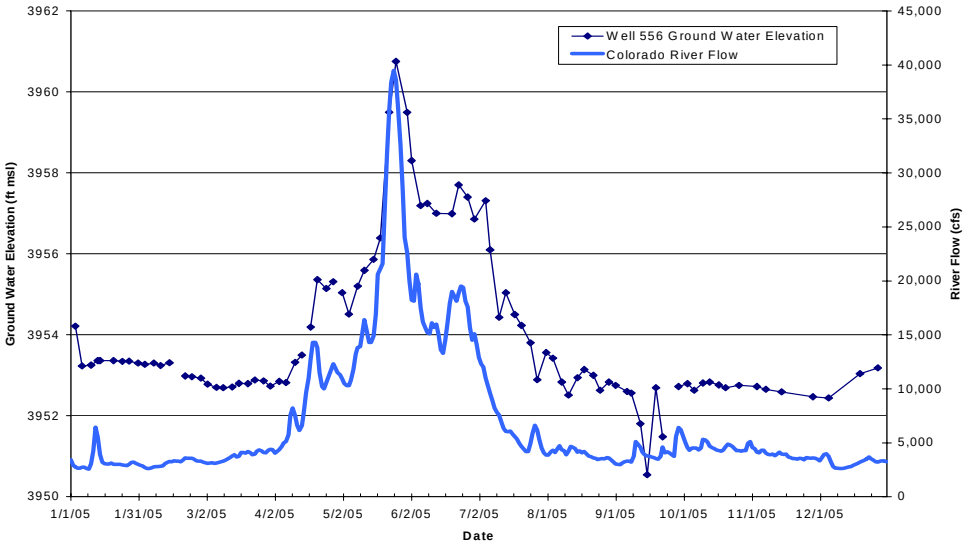
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 556 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3962
3960
3958
3956
3954
3952
3950
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
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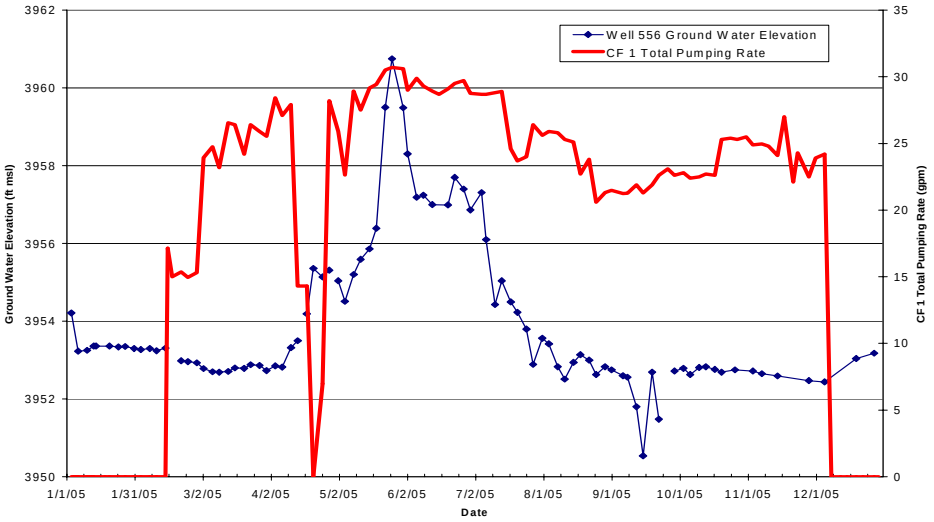
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 556 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3962
3960
3958
3956
3954
3952
3950
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
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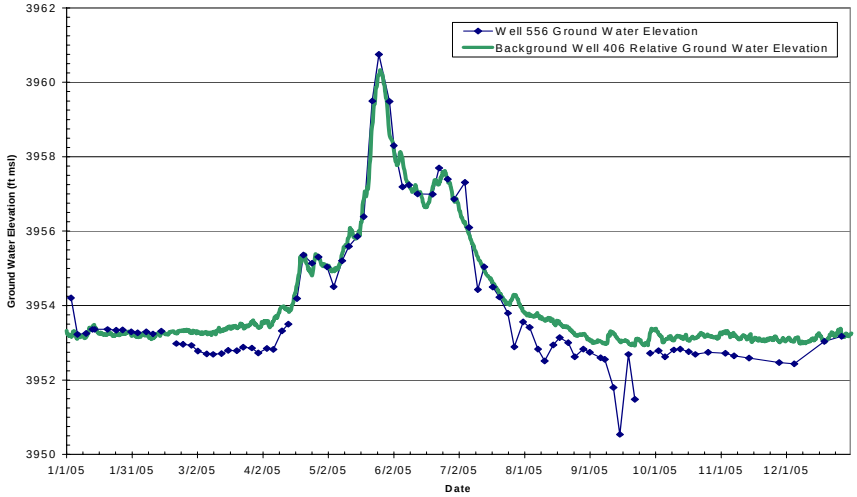
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 556 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3962
3960
3958
3956
3954
3952
3950
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
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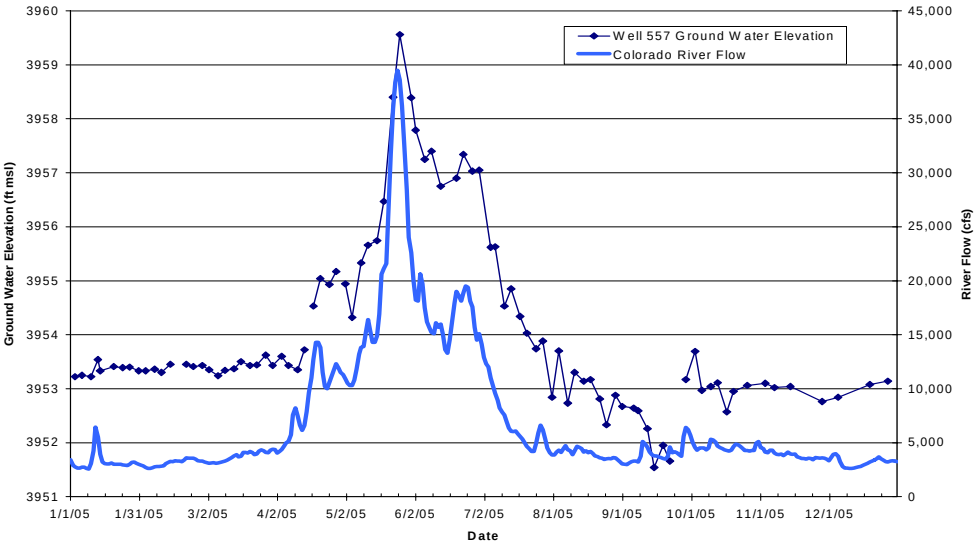
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 557 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3960
3959
3958
3957
3956
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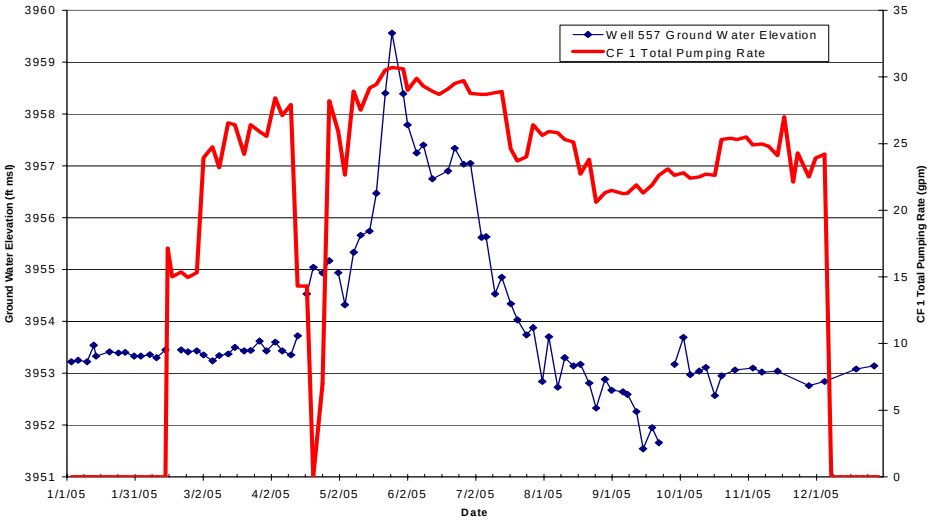
3954
3953
3952
3951
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 557 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3960
3959
3958
3957
3956
3955
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3952
3951
35
30
25
20
15
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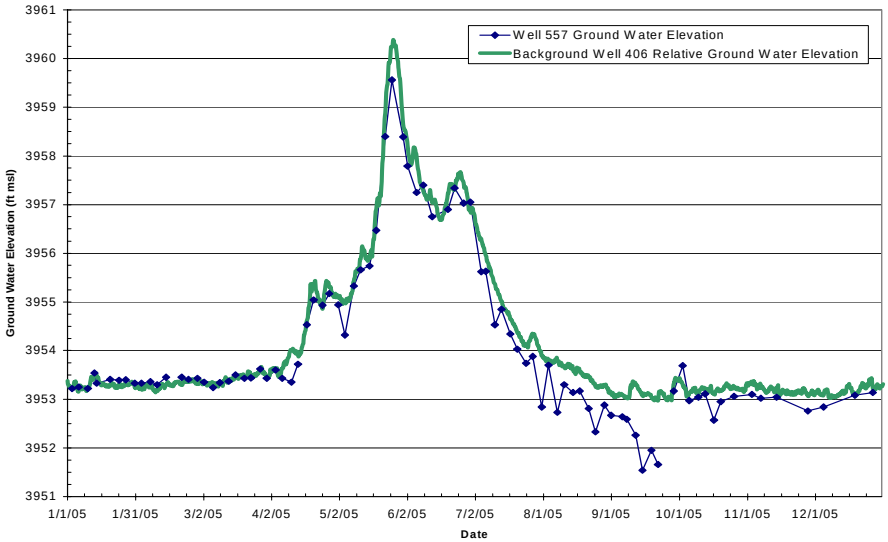
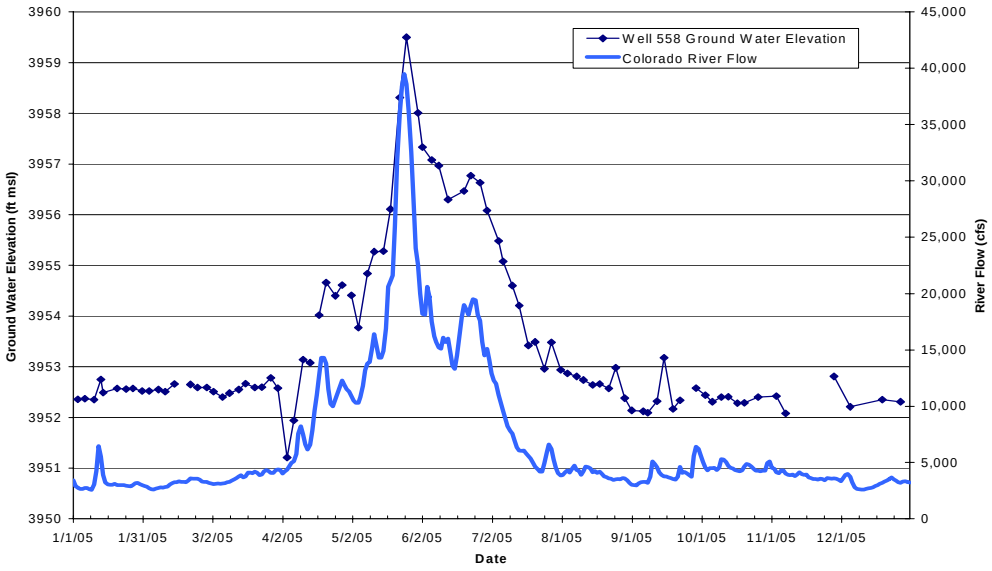
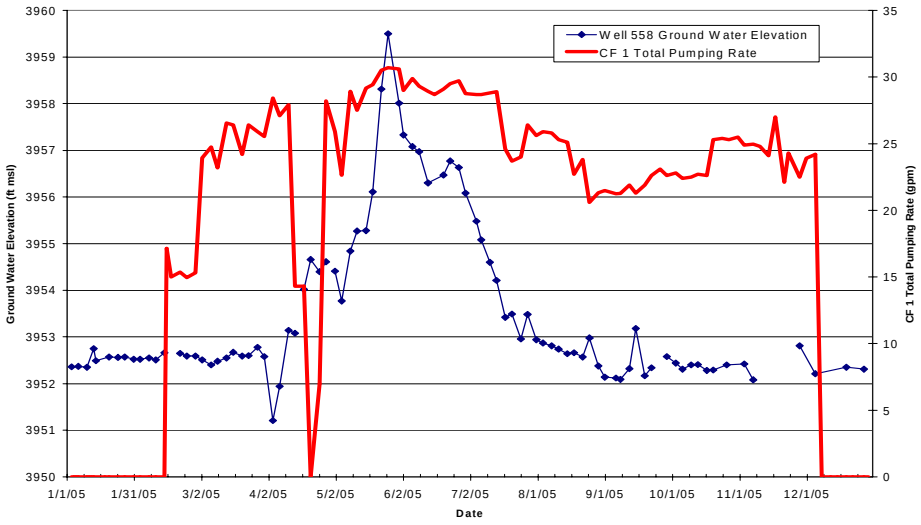
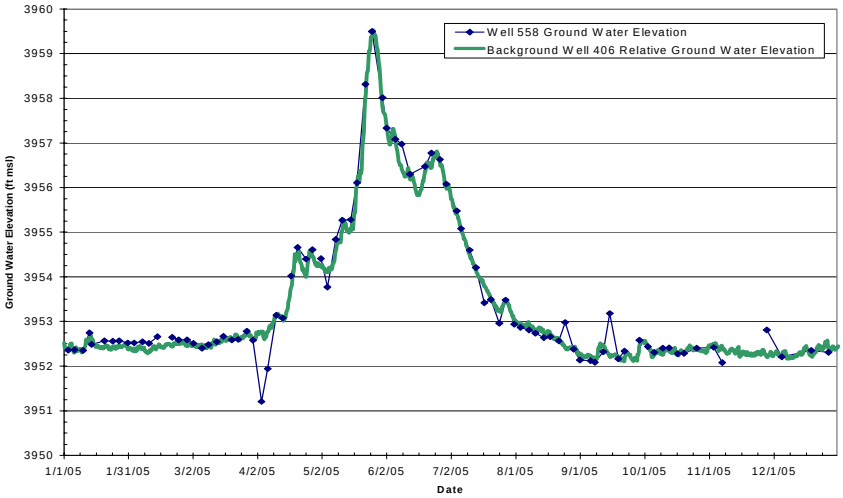
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 557 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 558 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
3950
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 558 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
3950
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 558 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
3950
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
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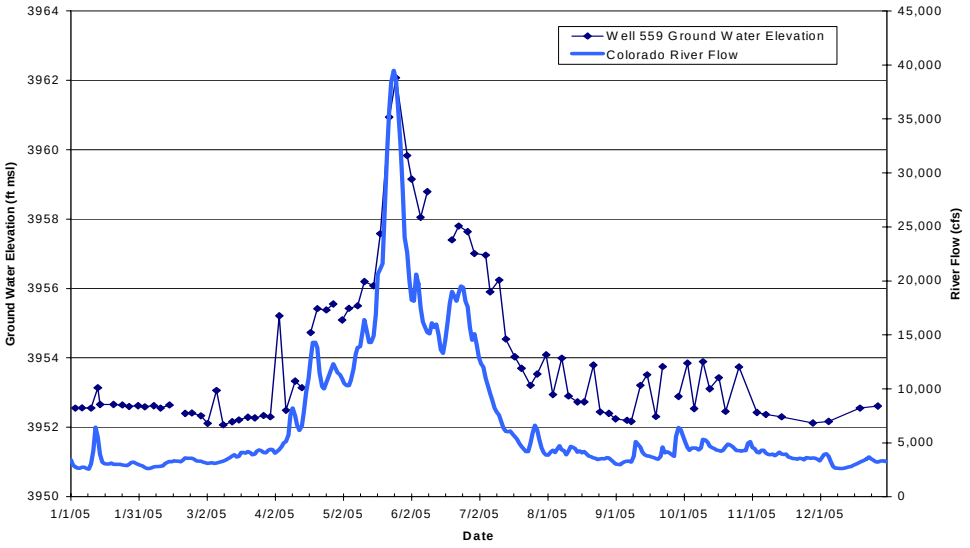
11/1/05
12/1/05


Well 559 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3964
3962
3960
3958
3956
3954
3952
3950
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
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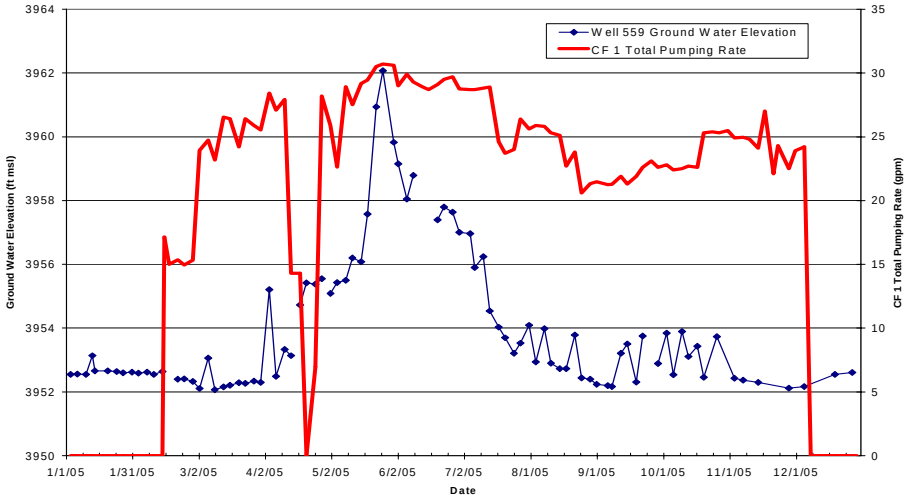
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 559 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3964
3962
3960
3958
3956
3954
3952
3950
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
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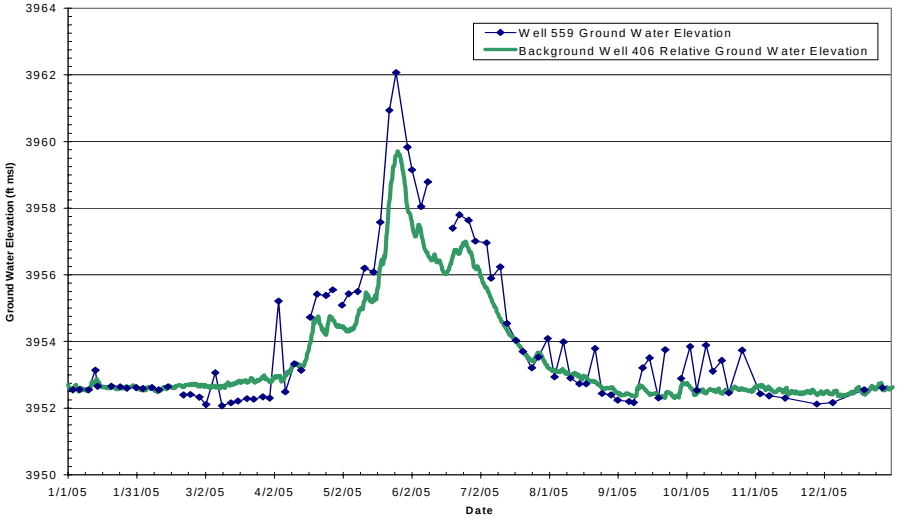
11/1/05
12/1/05


Well 559 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3964
3962
3960
3958
3956
3954
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3950
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3/2/05
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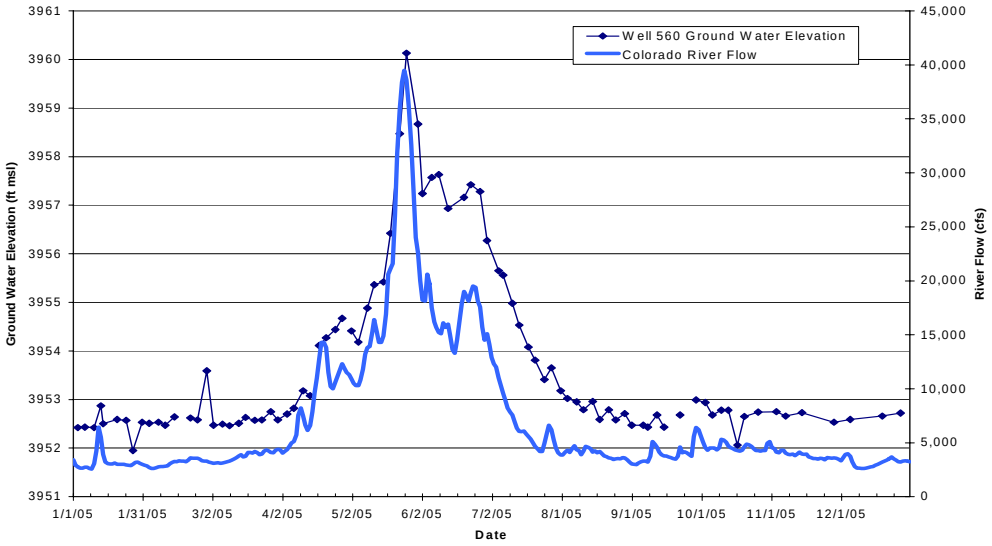
12/1/05


Well 560 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
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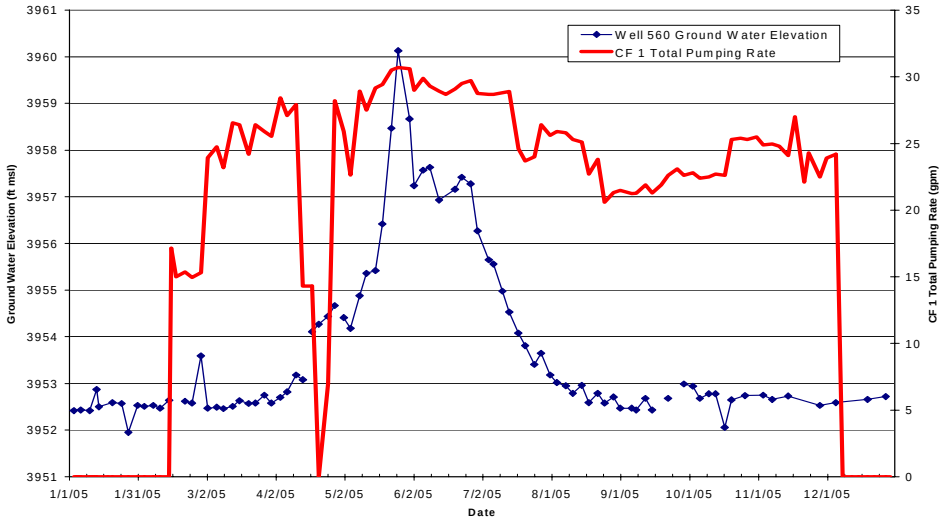
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 560 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
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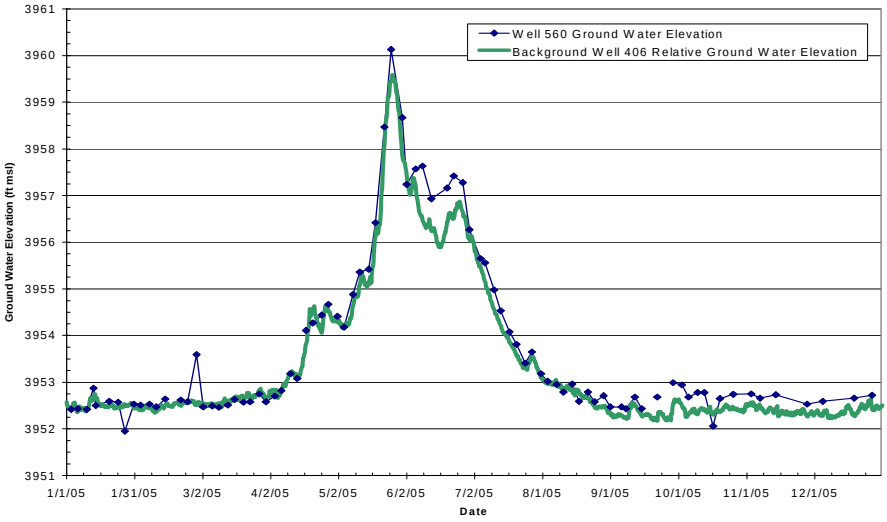
12/1/05


Well 560 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3961
3960
3959
3958
3957
3956
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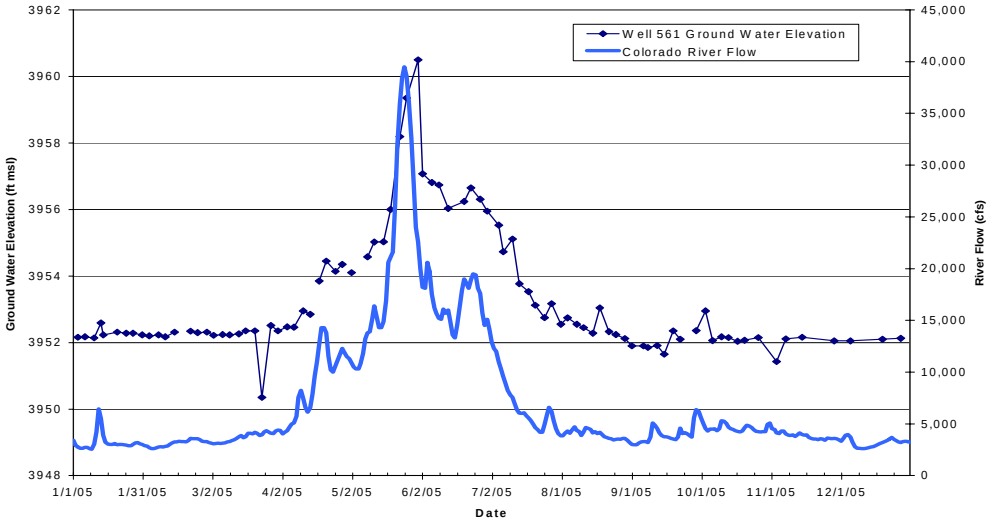
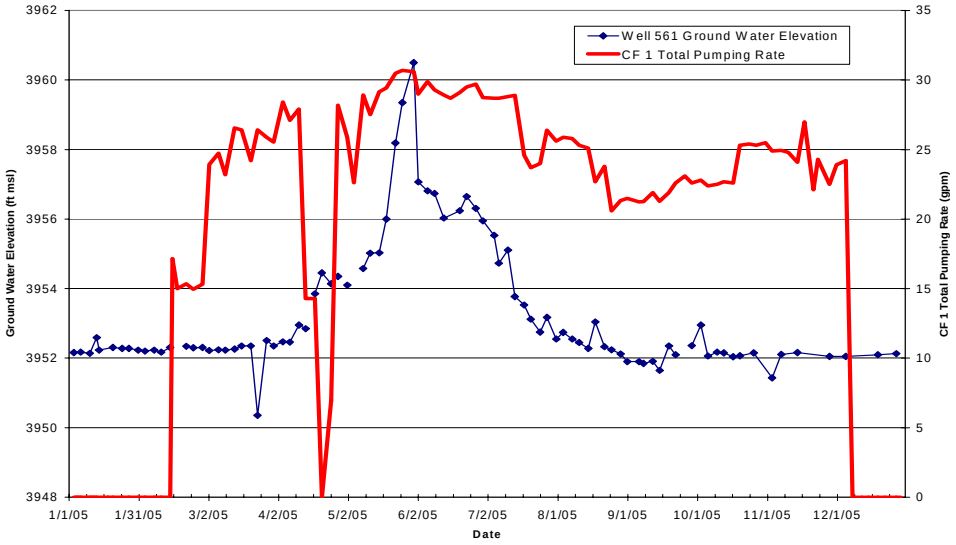
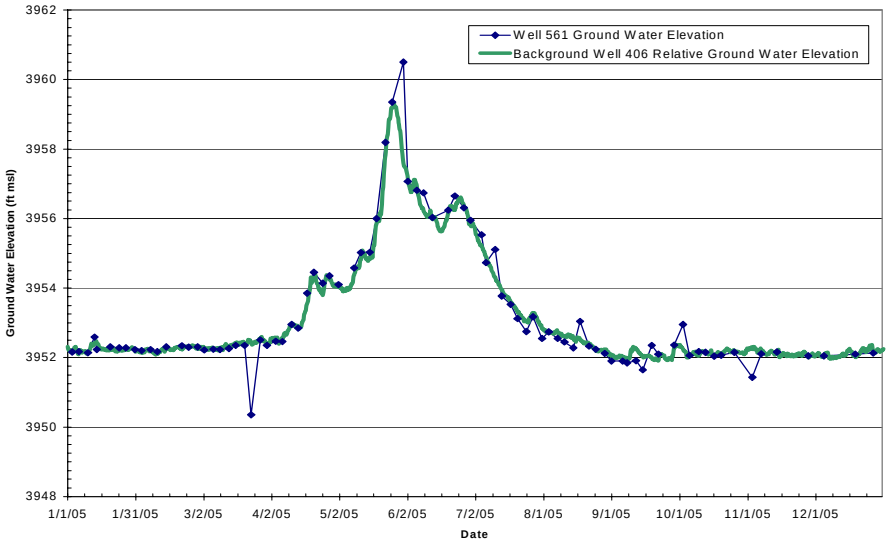
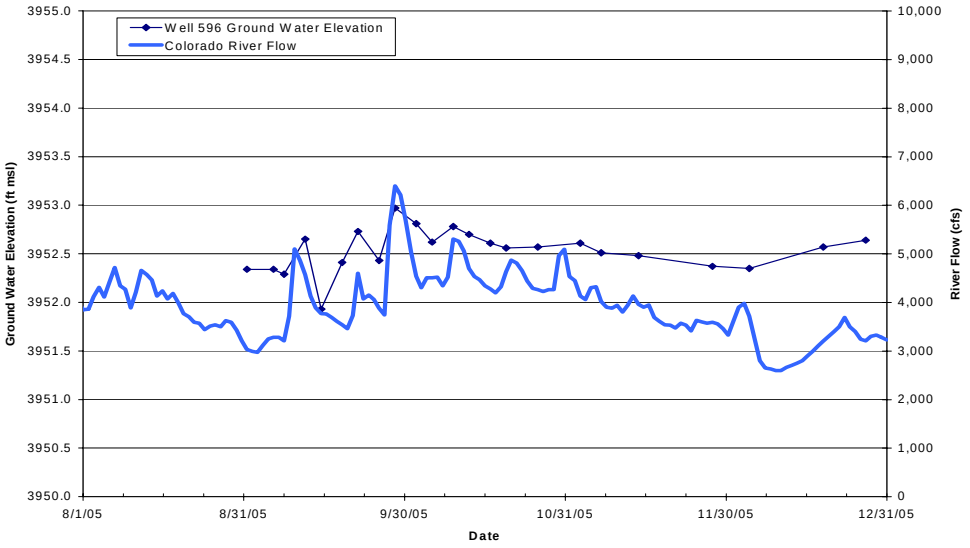
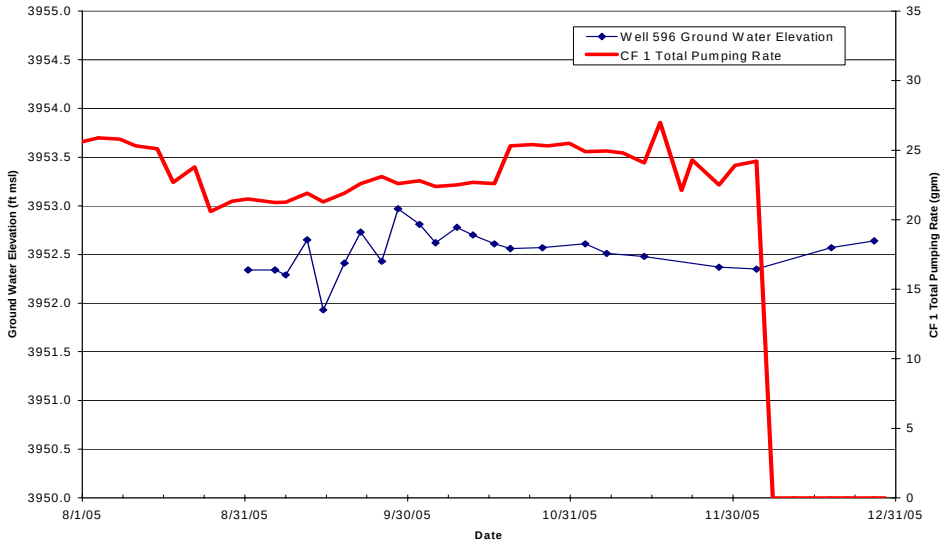
3954
3953
3952
3951
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

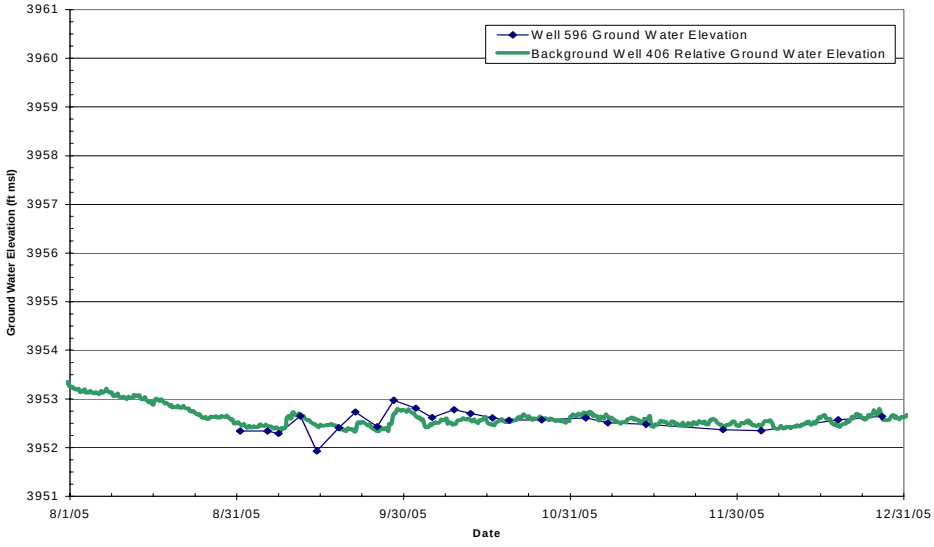

Well 561 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3962
3960
3958
3956
3954
3952
3950
3948
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 561 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
Date
3962
3960
3958
3956
3954
3952
3950
3948
35
30
25
20
15
10
5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Well 561 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

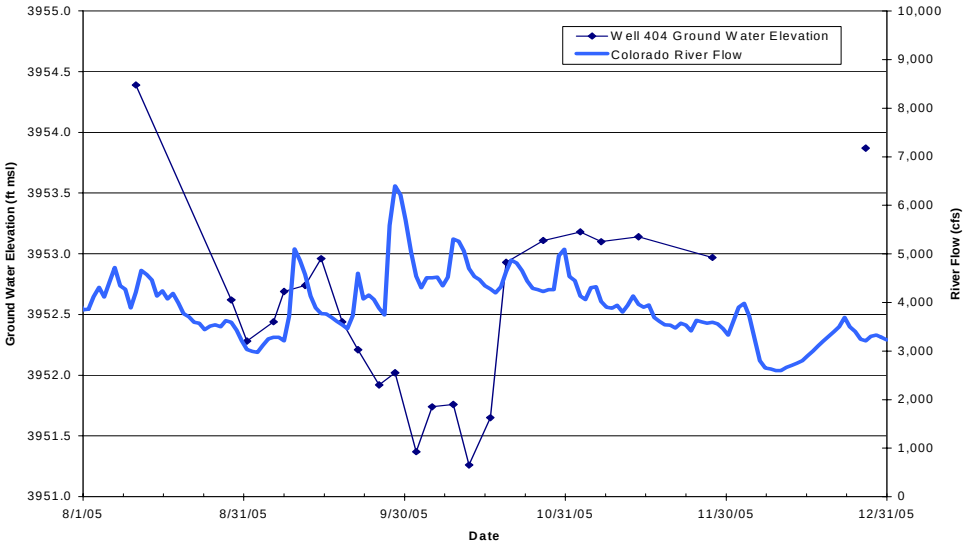

Well 596 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
3950.5
3950.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

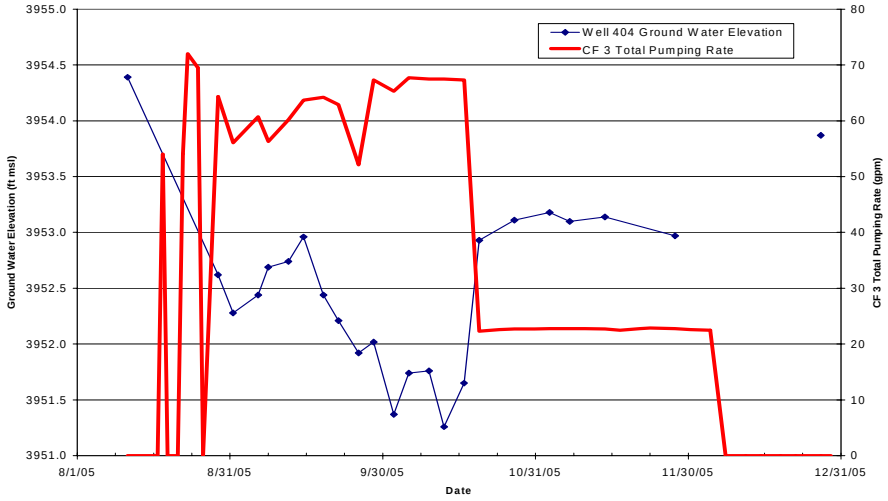

Well 596 Ground Water Elevation
CF 1 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 1 Total Pumping Rate (gpm)
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
3950.5
3950.0
35
30
25
20
15
10
5
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

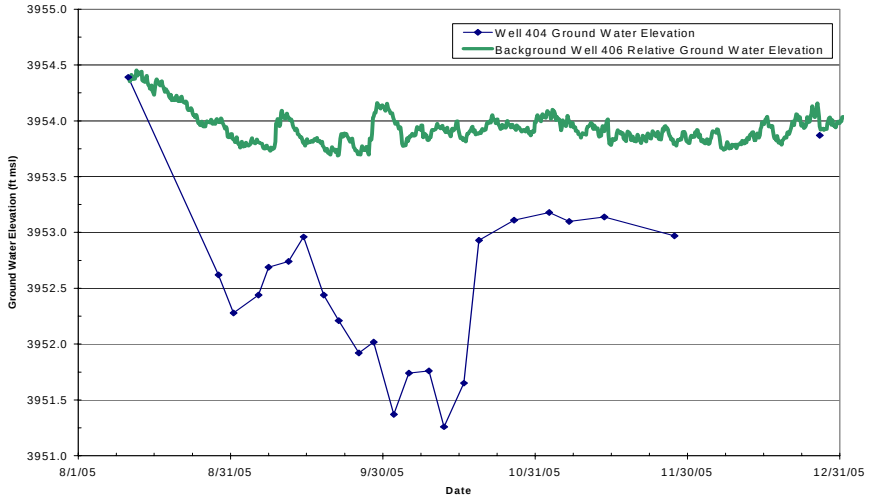

Well 596 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
3961
3960
3959
3958
3957
3956
3955
3954
3953
3952
3951
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

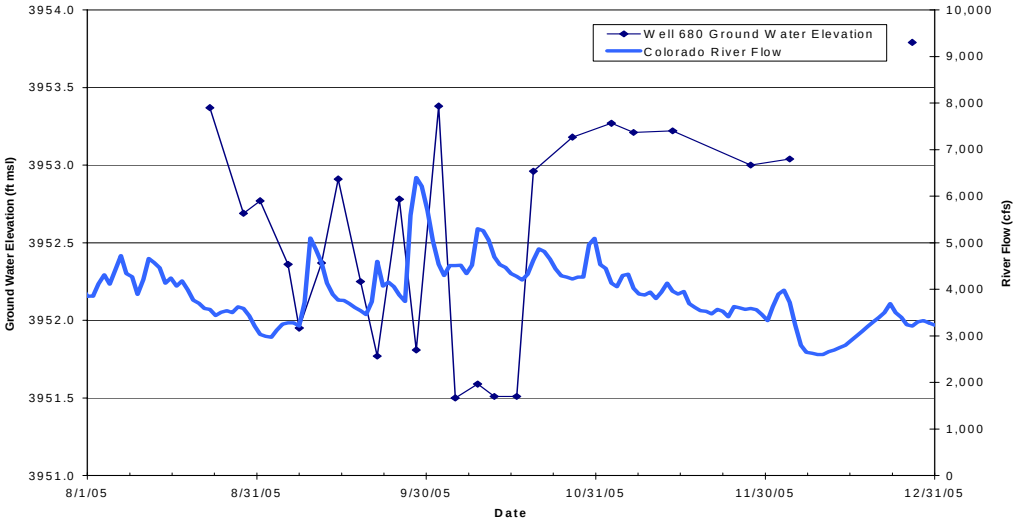
# Appendix B−5

# Configuration 3 Observation Well Water Level Plots


Well 404 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 404 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 404 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 680 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3954.0
3953.5
3953.0
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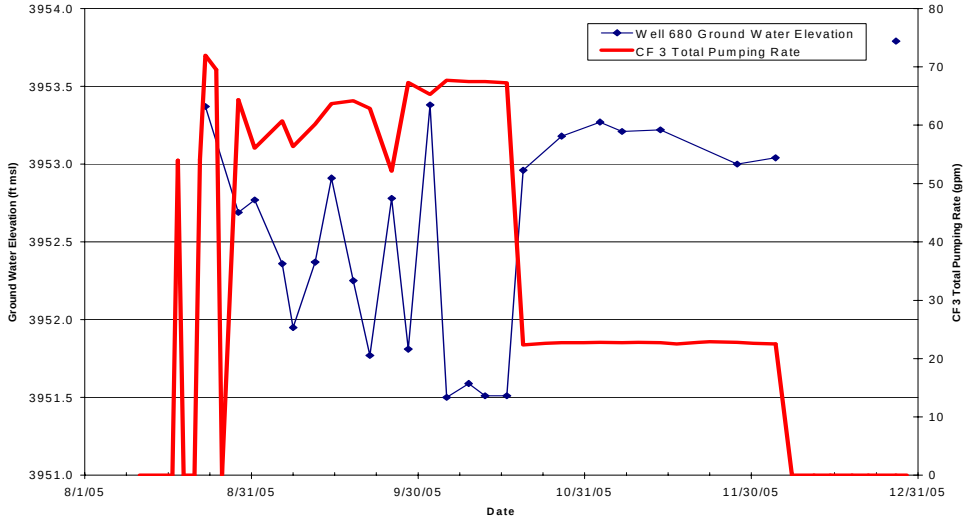
3952.0
3951.5
3951.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 680 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
80
70
60
50
40
30
20
10
0
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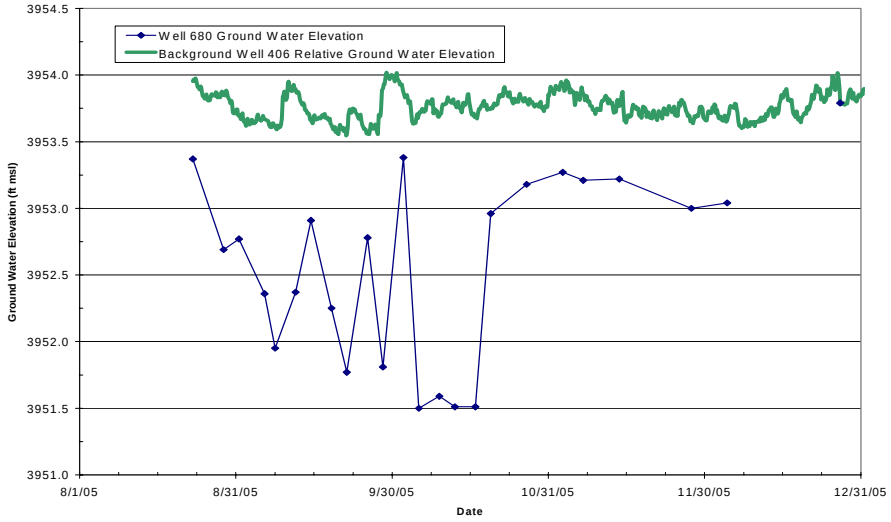
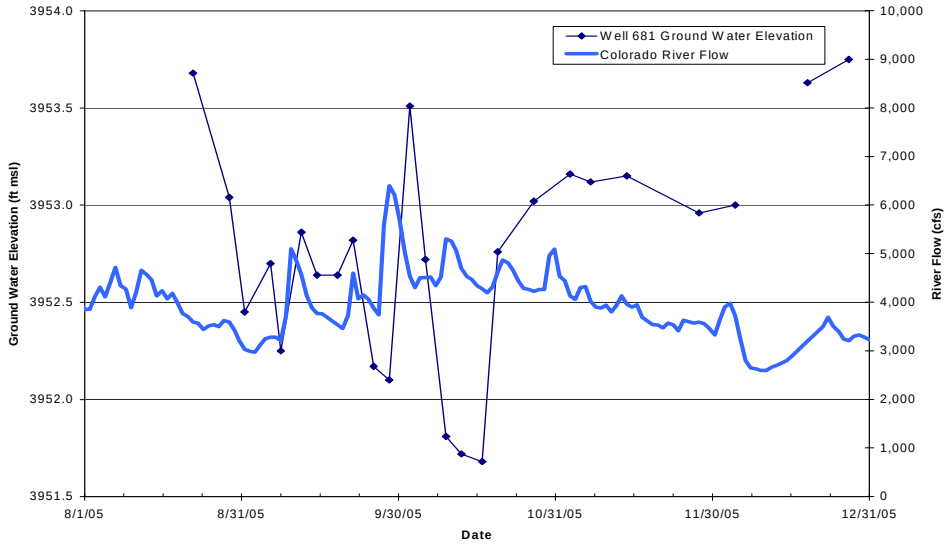
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 680 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 681 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
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1,000
0
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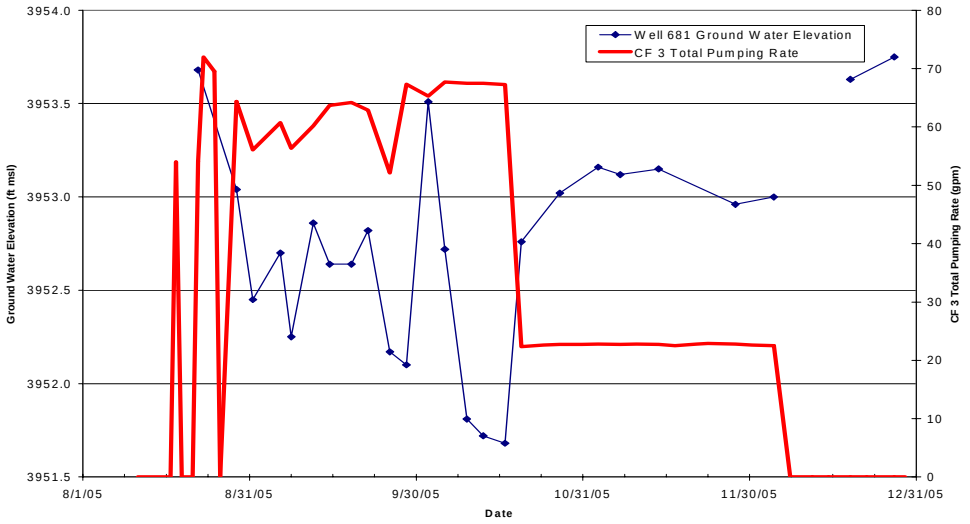
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 681 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
80
70
60
50
40
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20
10
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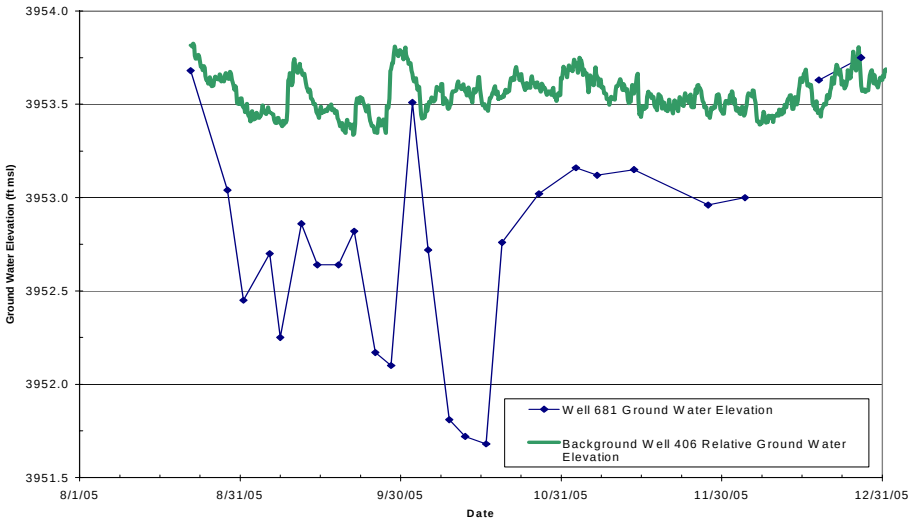
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05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Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
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3953.0
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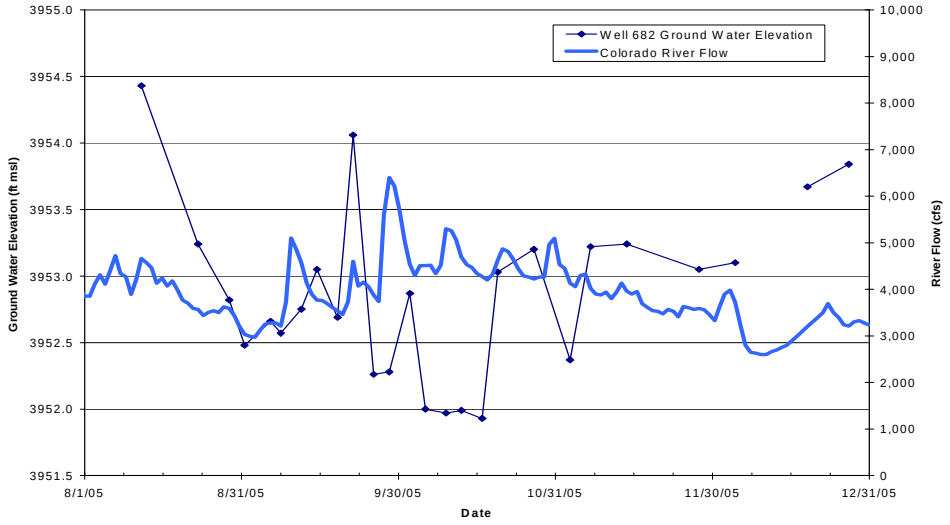
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 682 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 682 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
80
70
60
50
40
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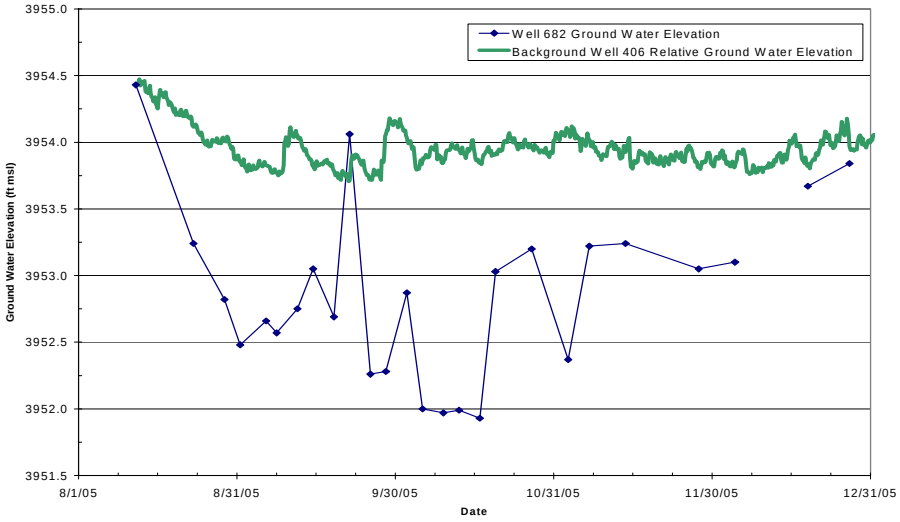
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 682 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
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3951.5
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8/31/05
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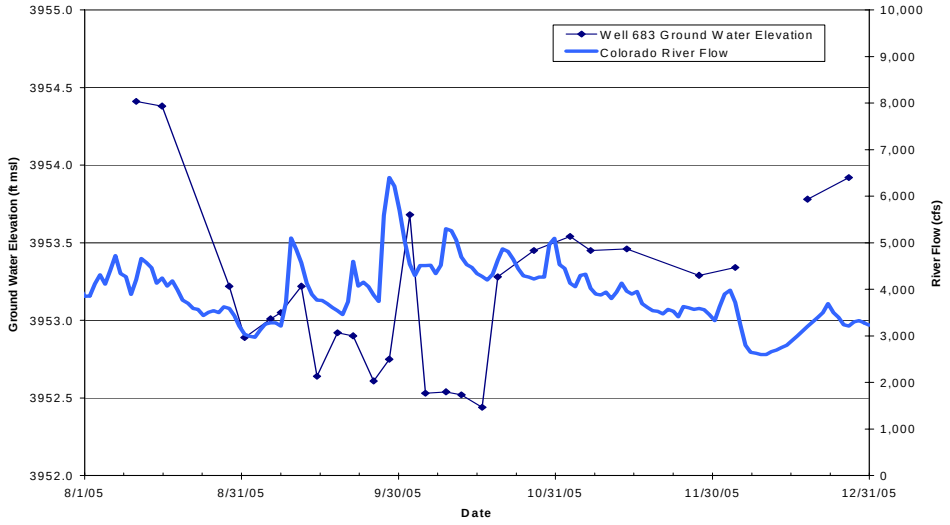
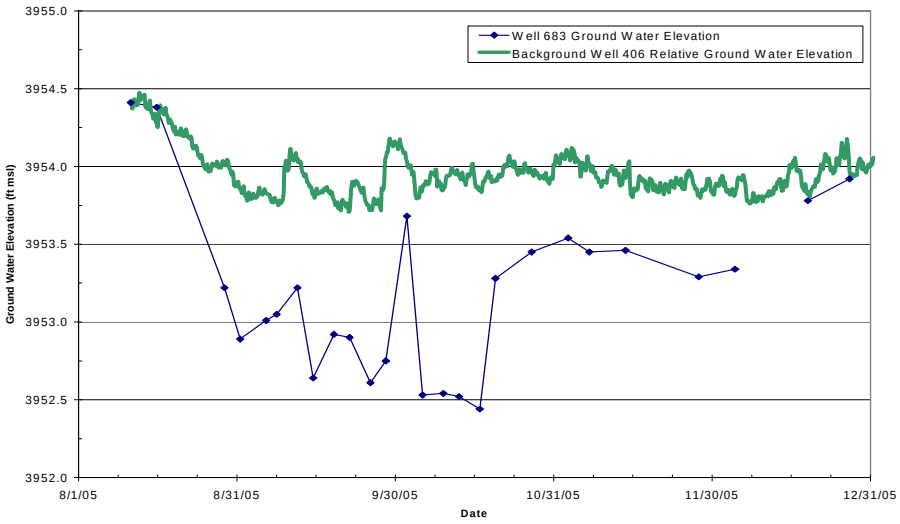
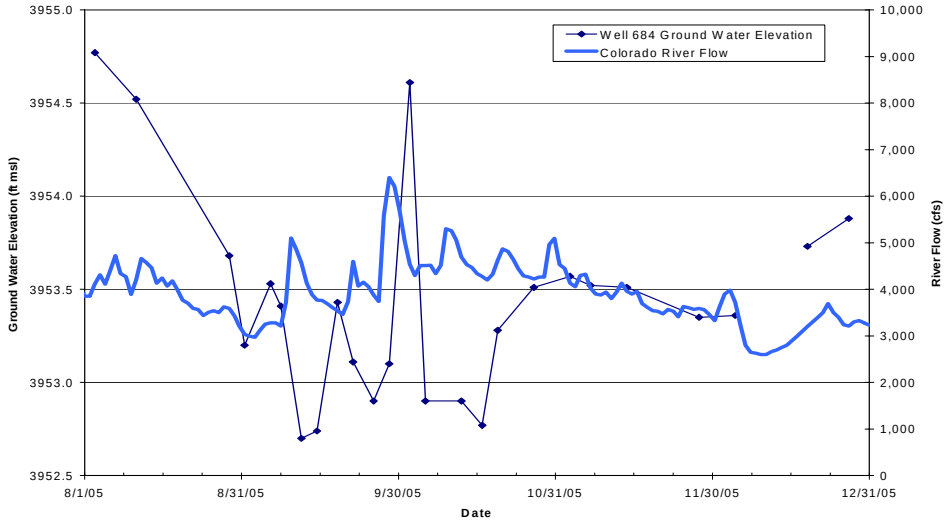
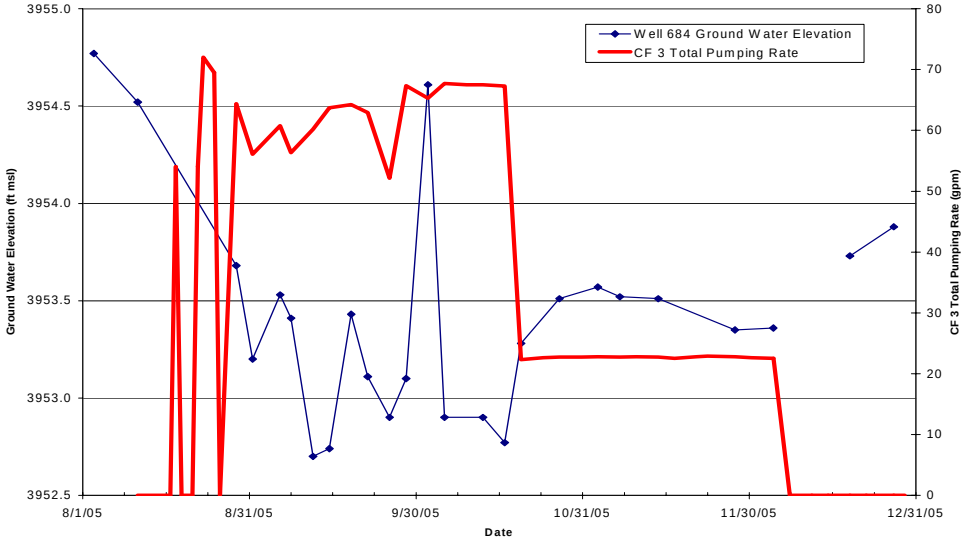
11/30/05
12/31/05

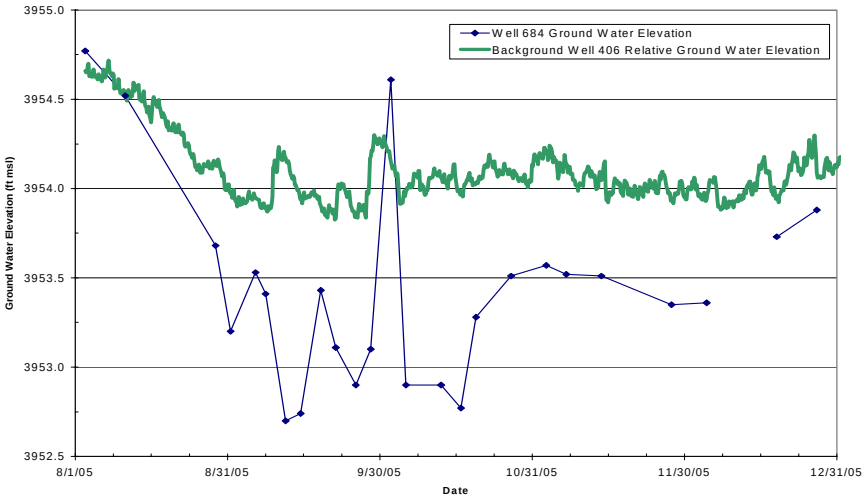

Well 683 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

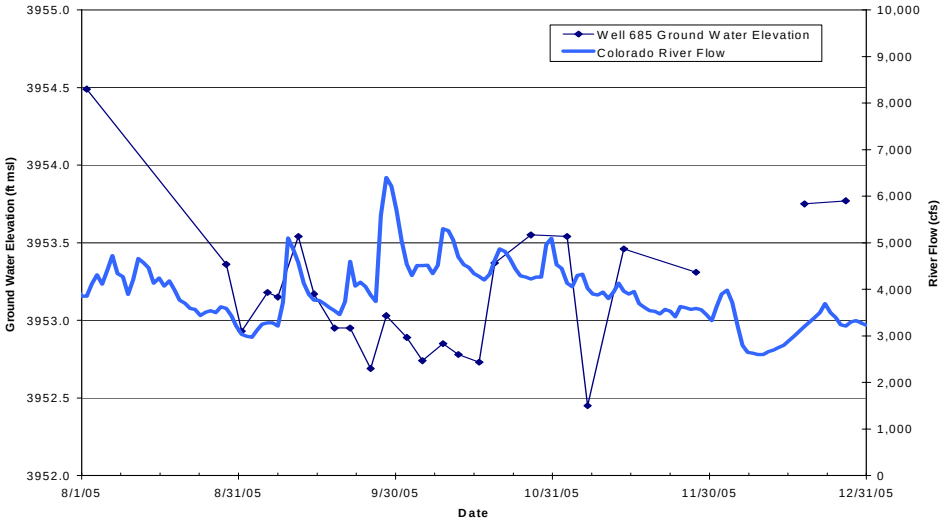

Well 683 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

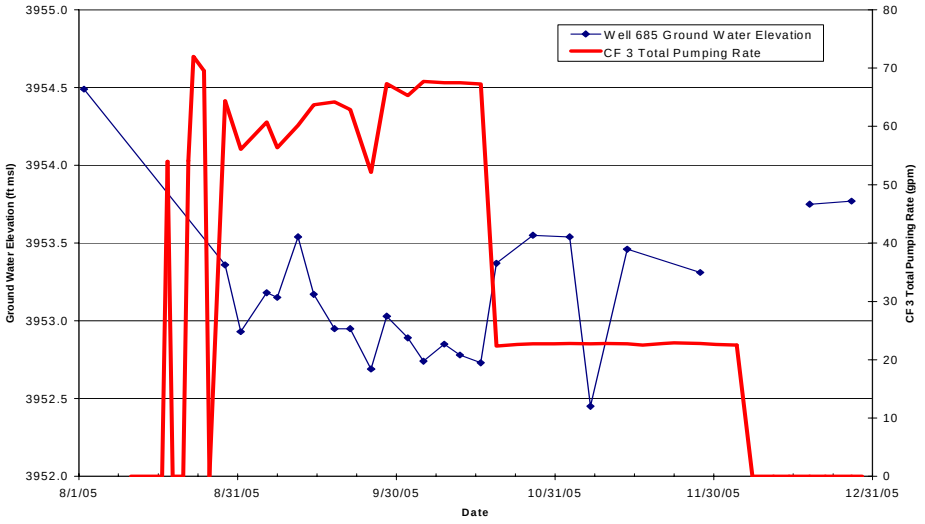

Well 683 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

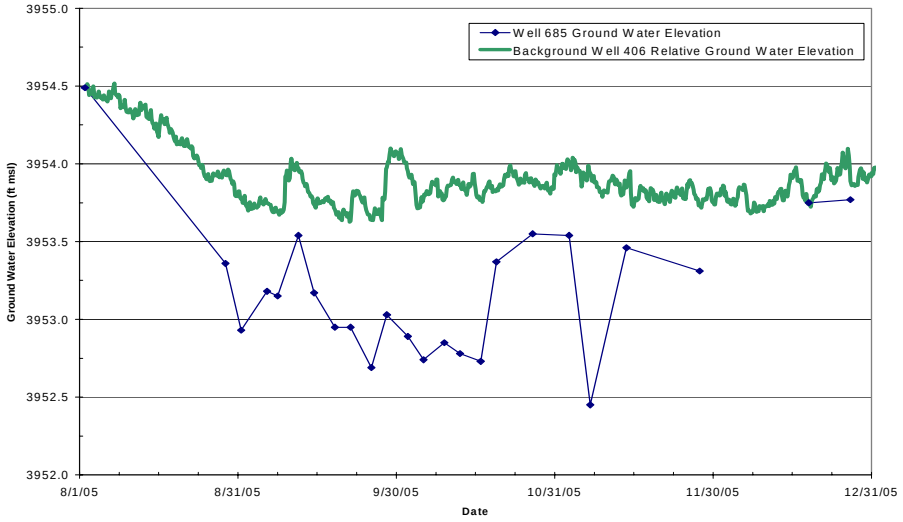

Well 684 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

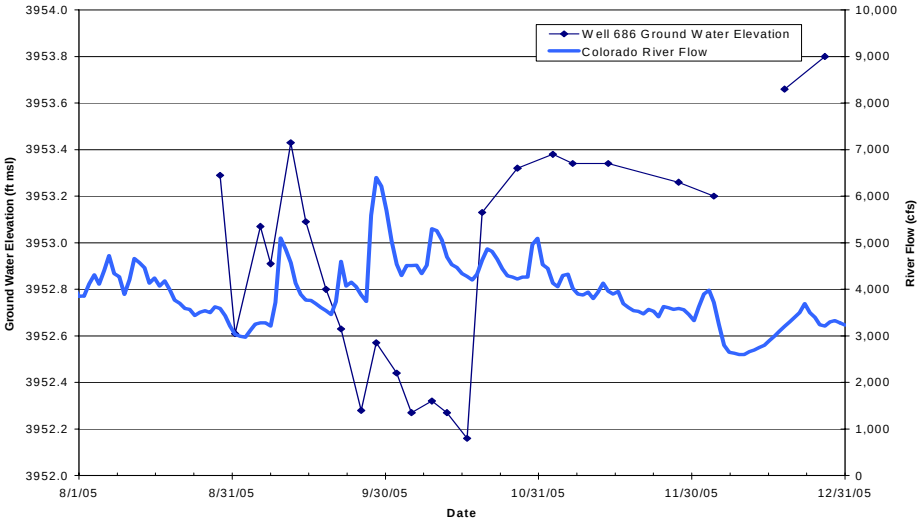

Well 684 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

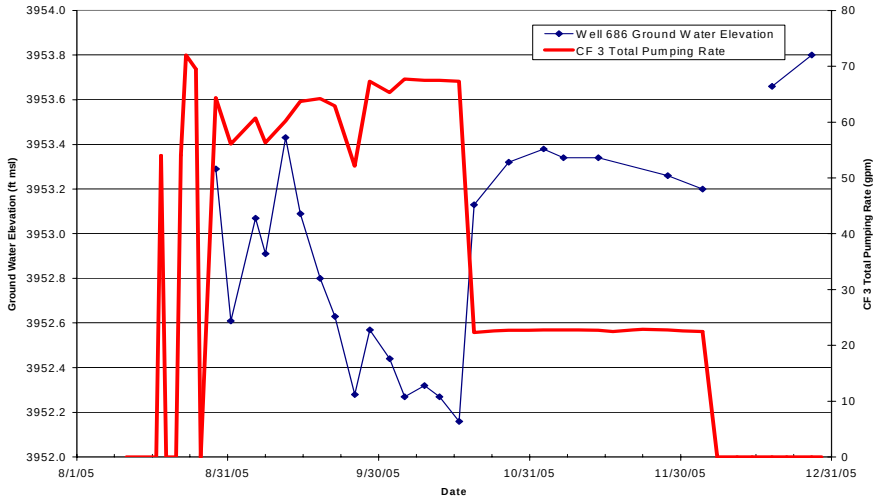

Well 684 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 685 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 685 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 685 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 686 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
3954.0
3953.8
3953.6
3953.4
3953.2
3953.0
3952.8
3952.6
3952.4
3952.2
3952.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 686 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
3954.0
3953.8
3953.6
3953.4
3953.2
3953.0
3952.8
3952.6
3952.4
3952.2
3952.0
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
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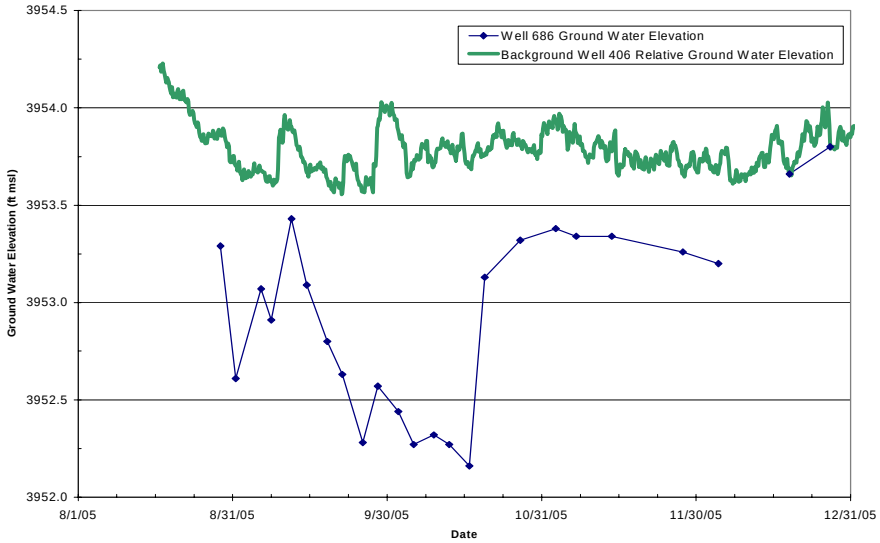
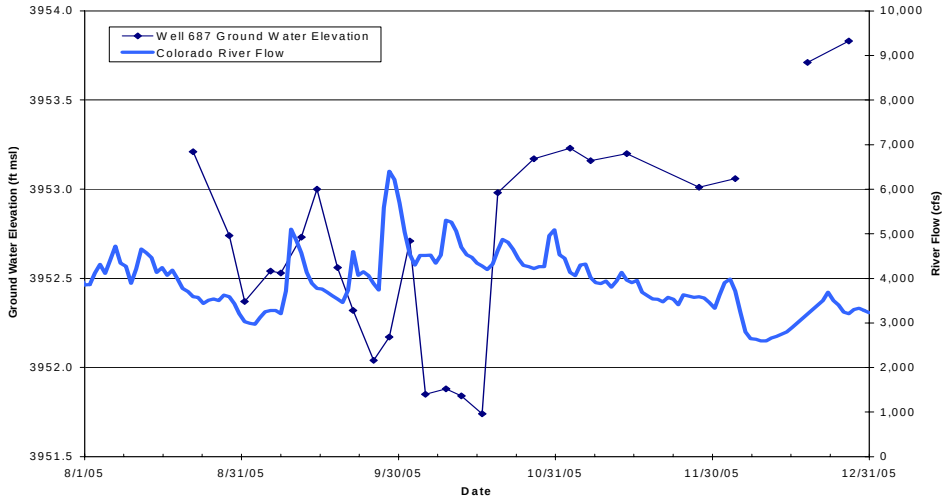
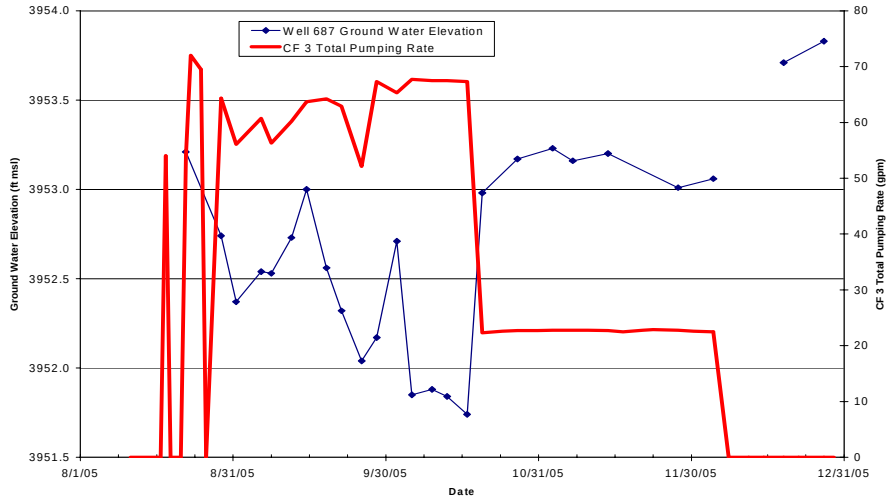
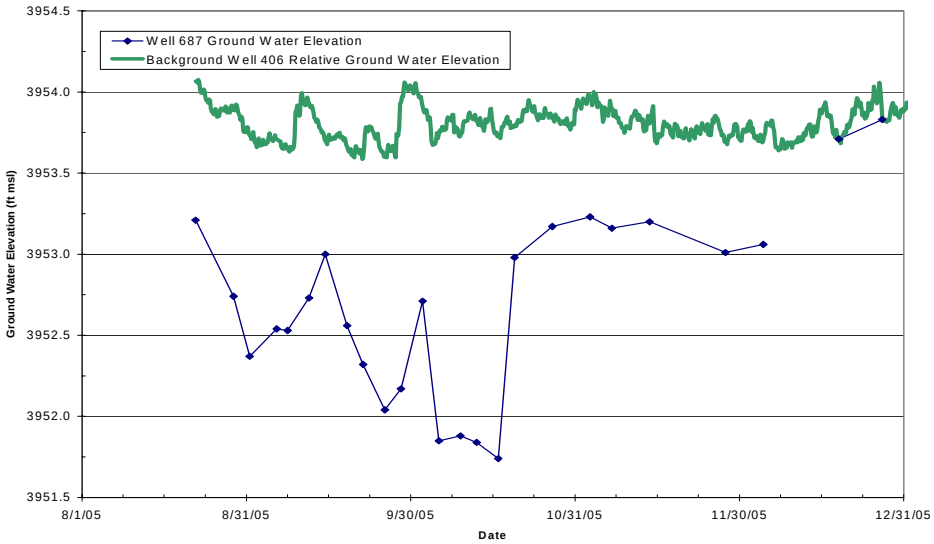
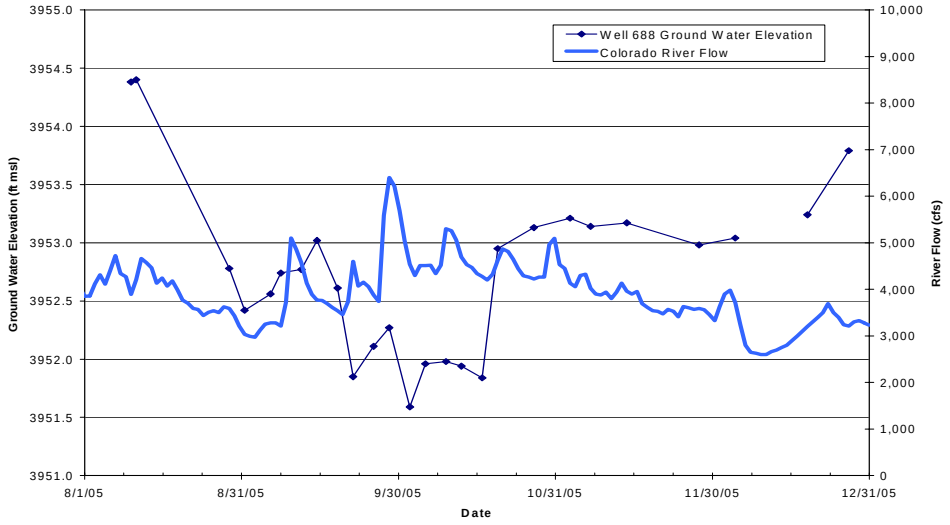
12/31/05
Date


Well 686 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

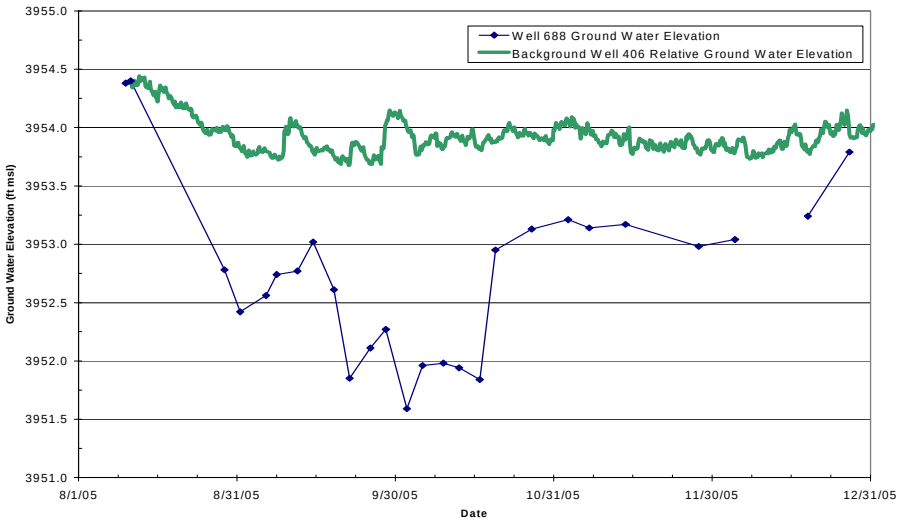

Well 687 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 687 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 687 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 688 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 688 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
3951.0
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05


Well 688 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3955.0
3954.5
3954.0
3953.5
3953.0
3952.5
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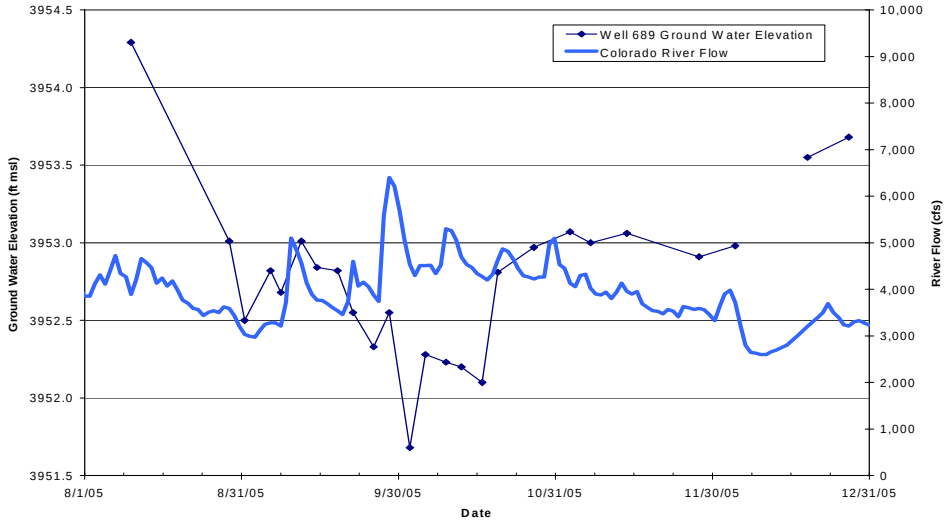
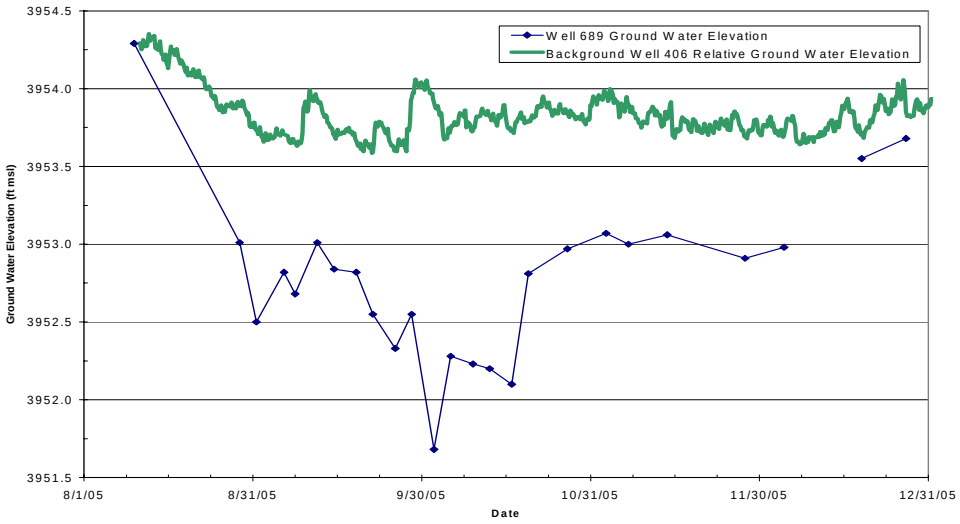
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

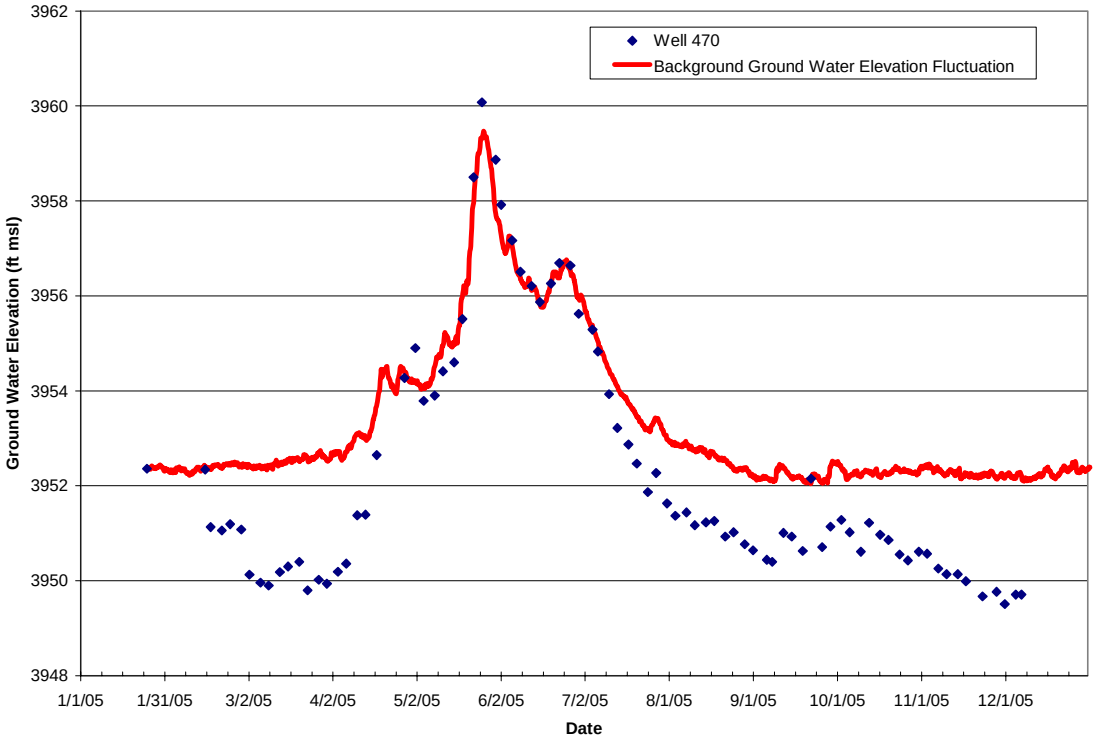

Well 689 Ground Water Elevation
Colorado River Flow
Ground Water Elevation (ft msl)
River Flow (cfs)
Date
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

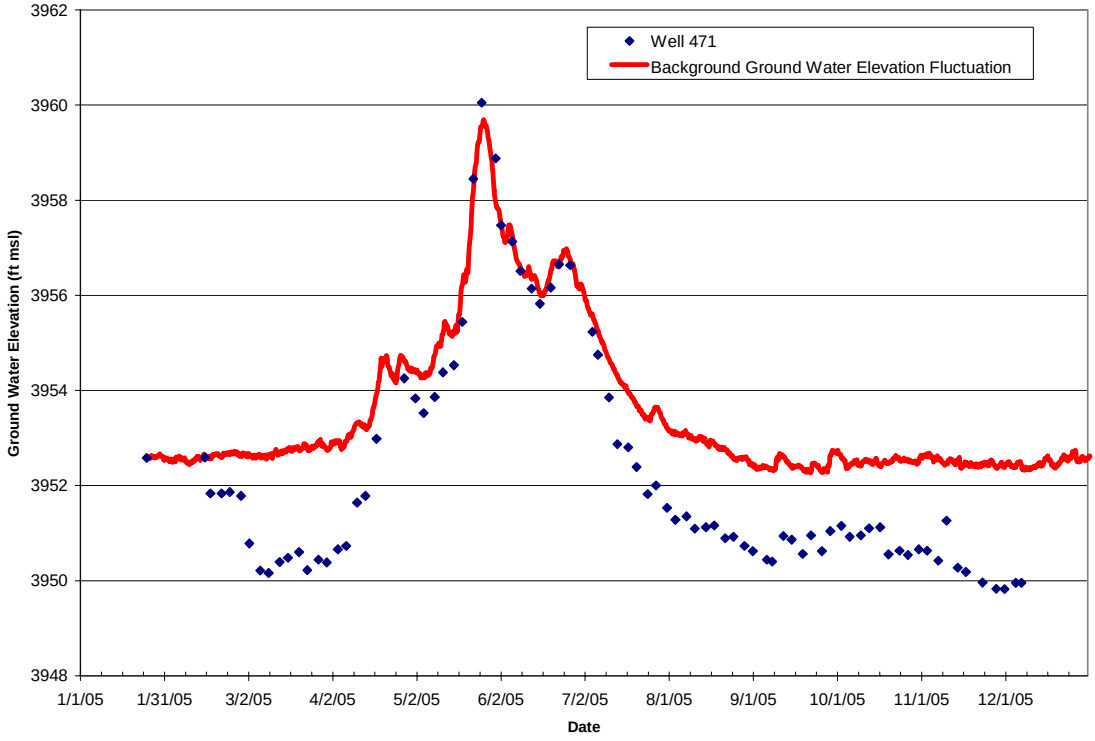

Well 689 Ground Water Elevation
CF 3 Total Pumping Rate
Ground Water Elevation (ft msl)
CF 3 Total Pumping Rate (gpm)
Date
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
80
70
60
50
40
30
20
10
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

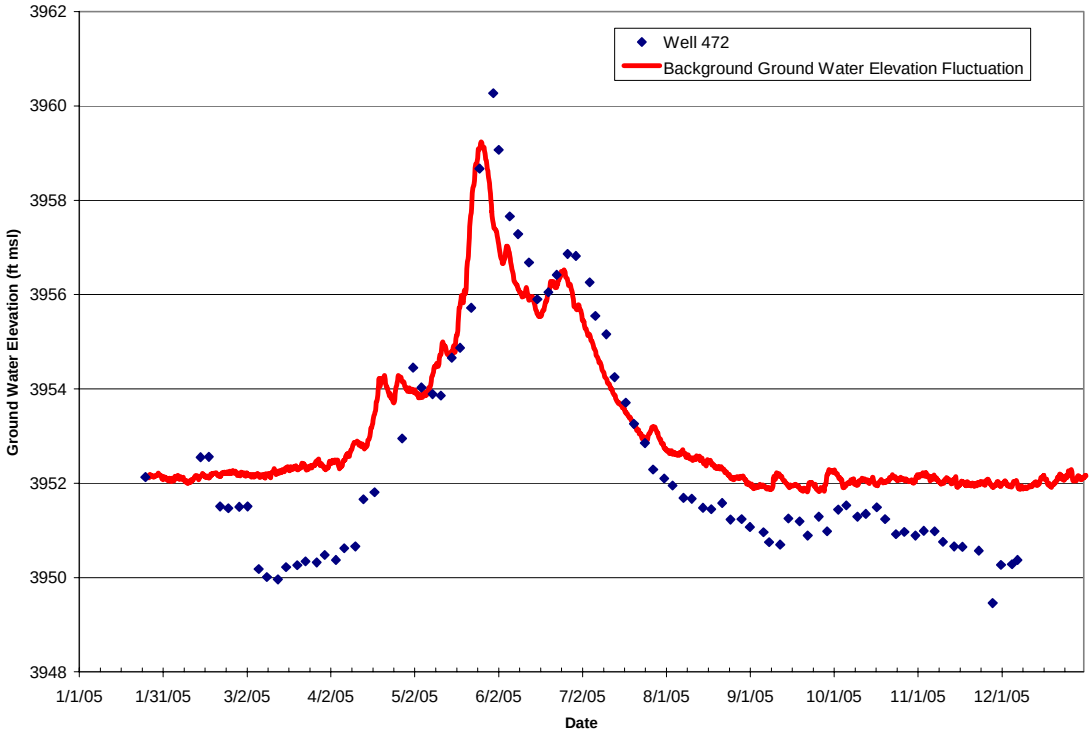

Well 689 Ground Water Elevation
Background Well 406 Relative Ground Water Elevation
Ground Water Elevation (ft msl)
Date
3954.5
3954.0
3953.5
3953.0
3952.5
3952.0
3951.5
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05

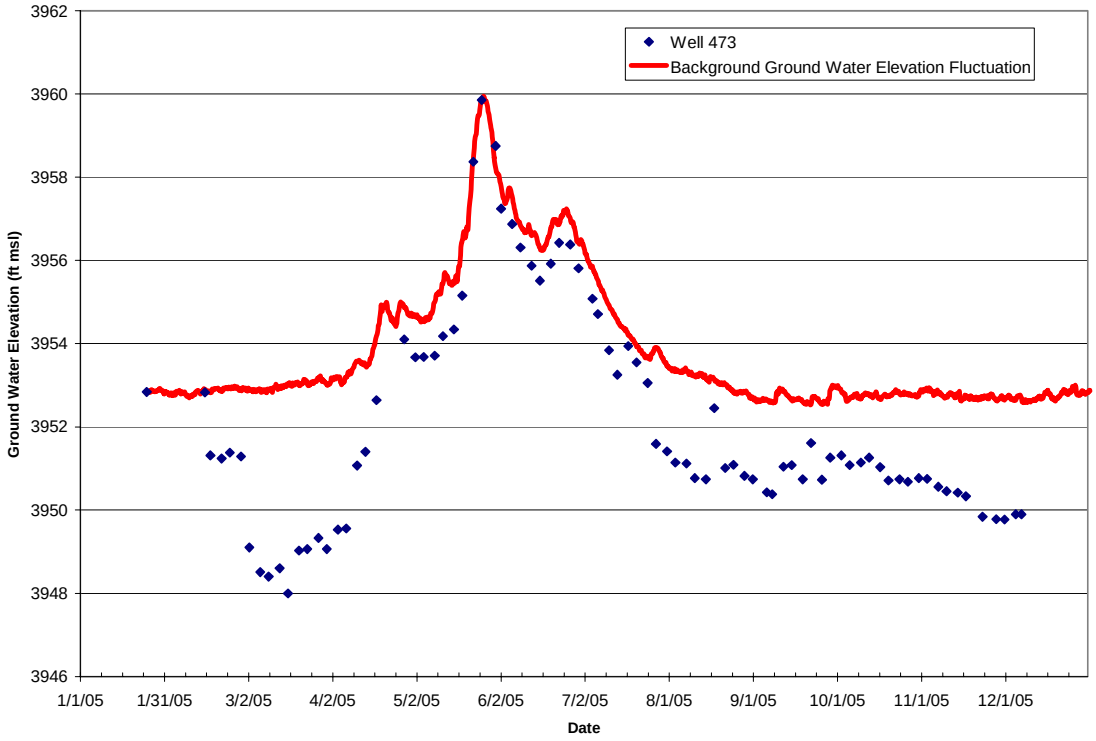
# Appendix B−6

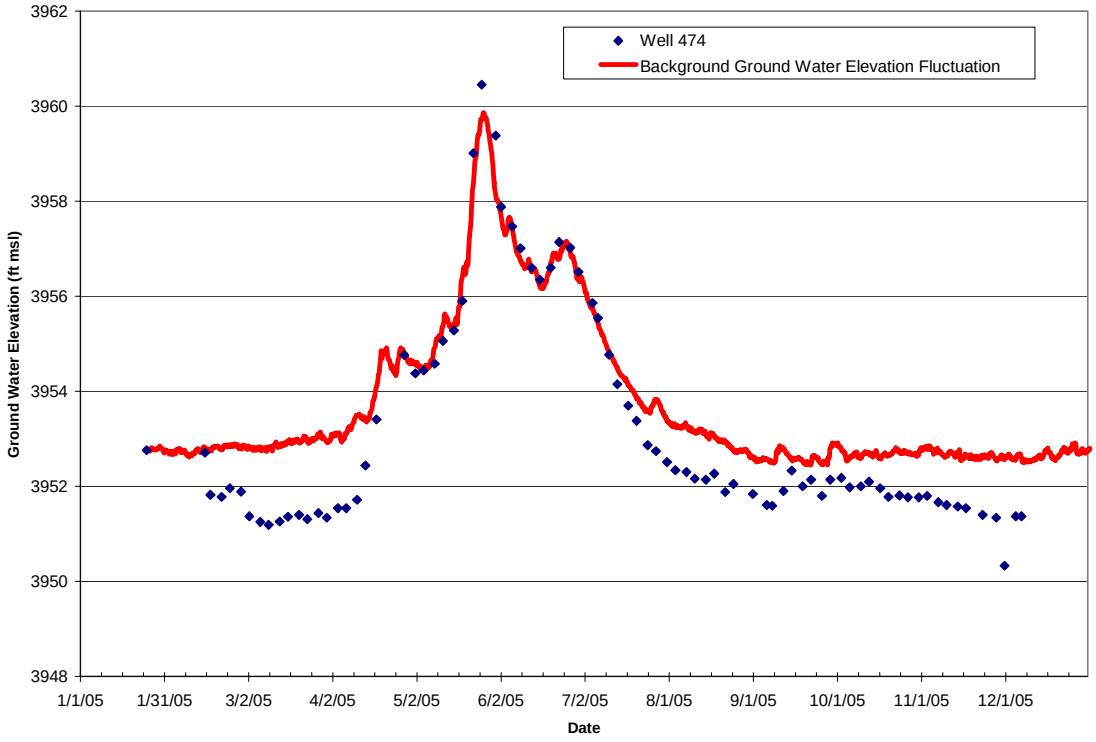
# Configuration 1 Extraction Well Water Level Plots

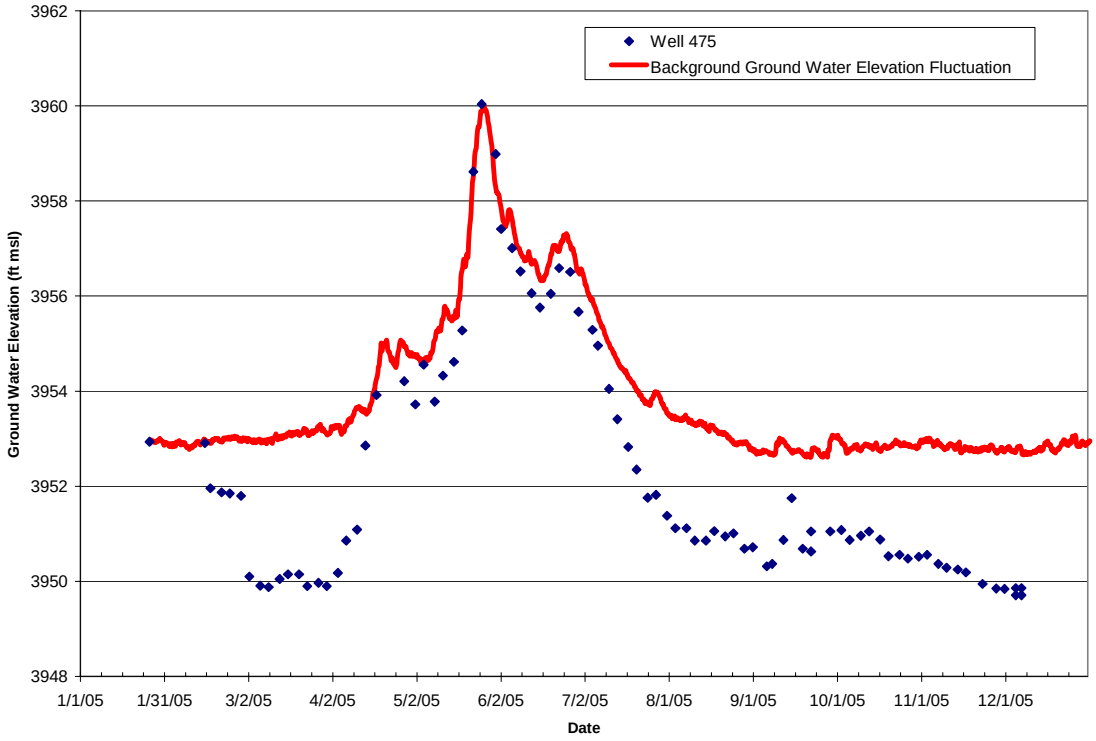

Well 470
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 471
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 472
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 473
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
3946
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 474
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 475
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
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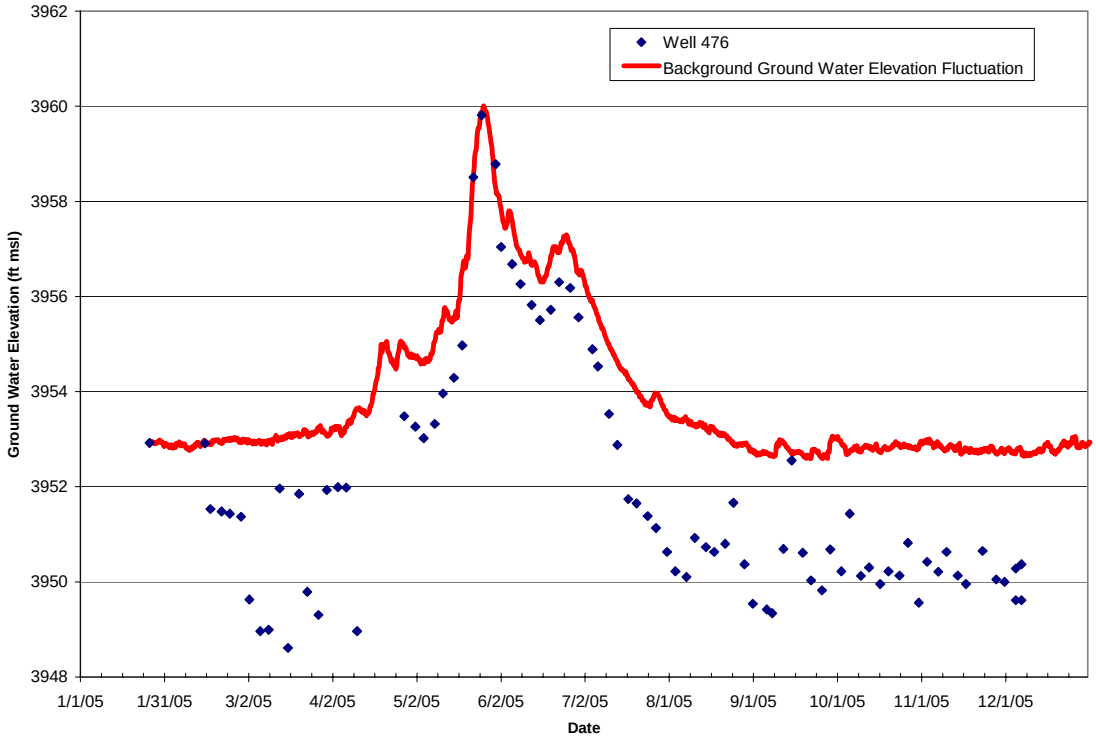
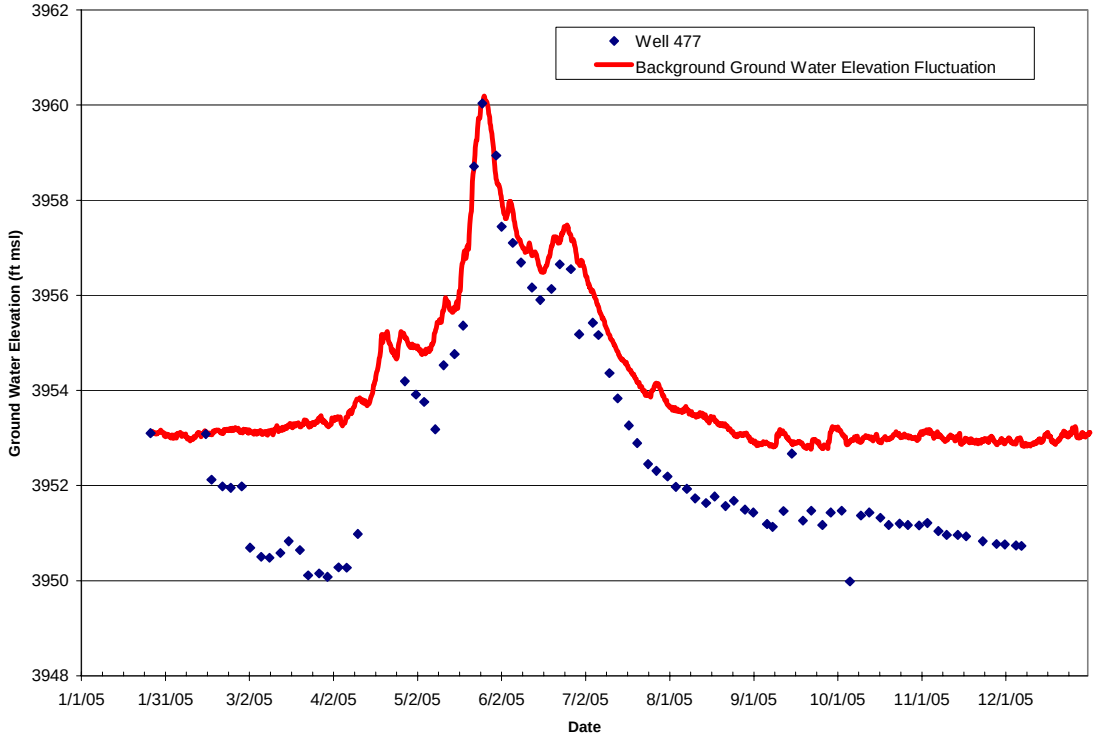
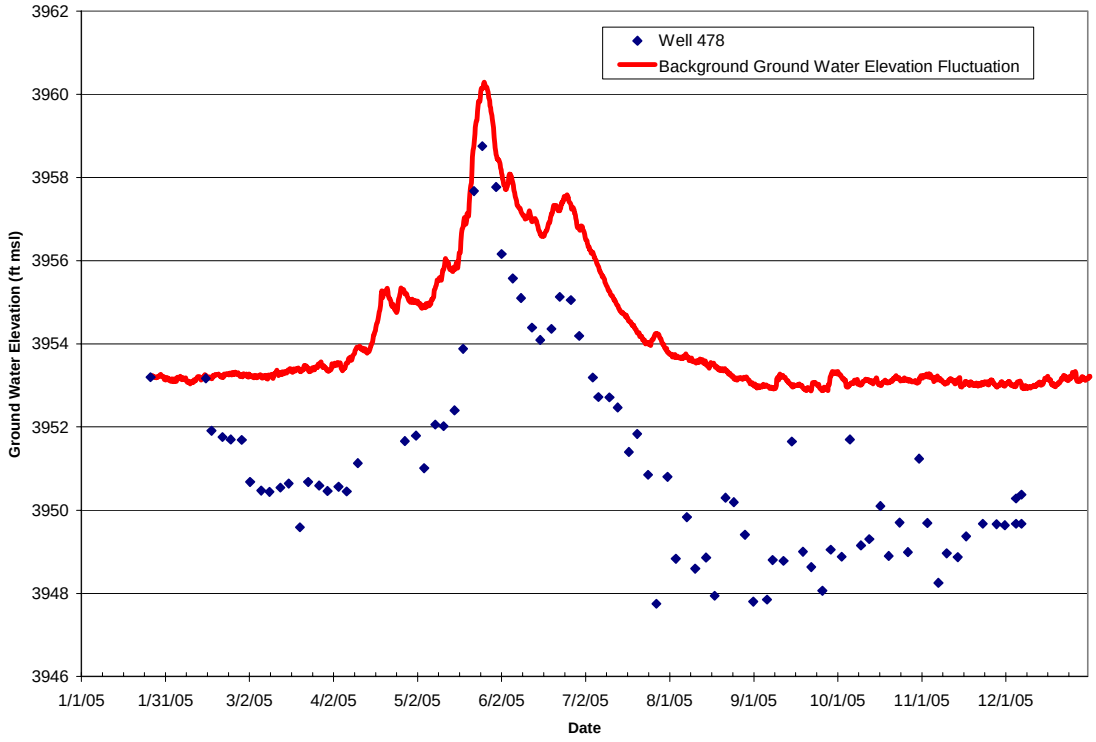
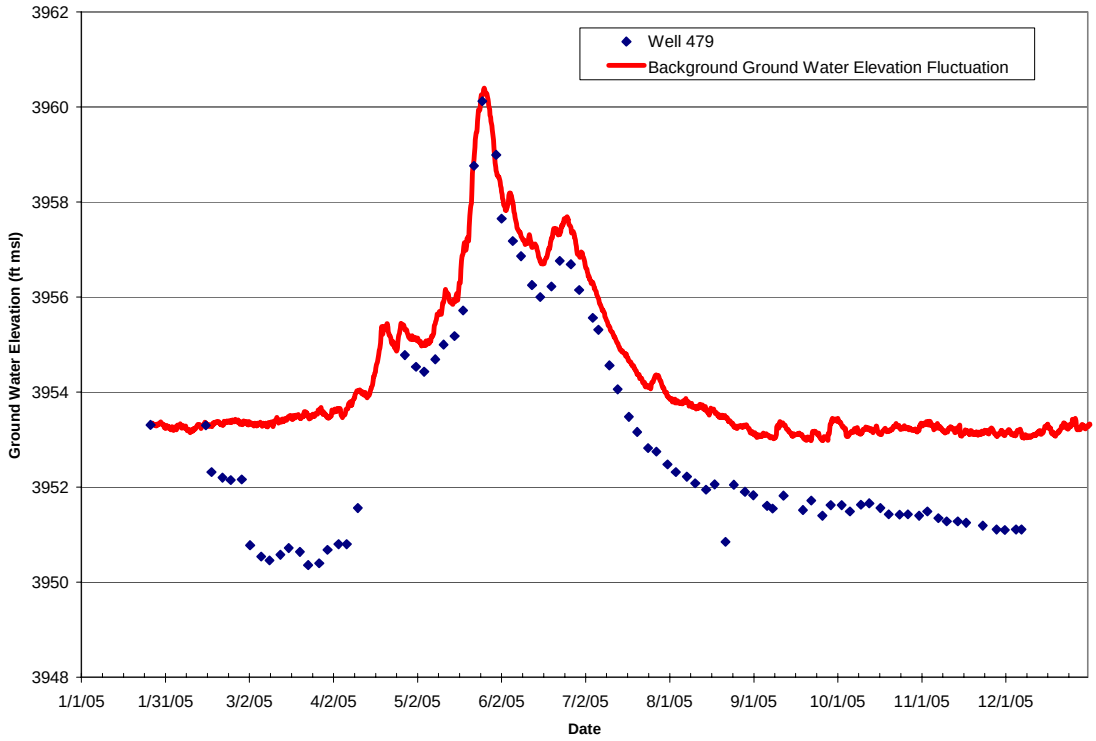
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date


Well 476
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date

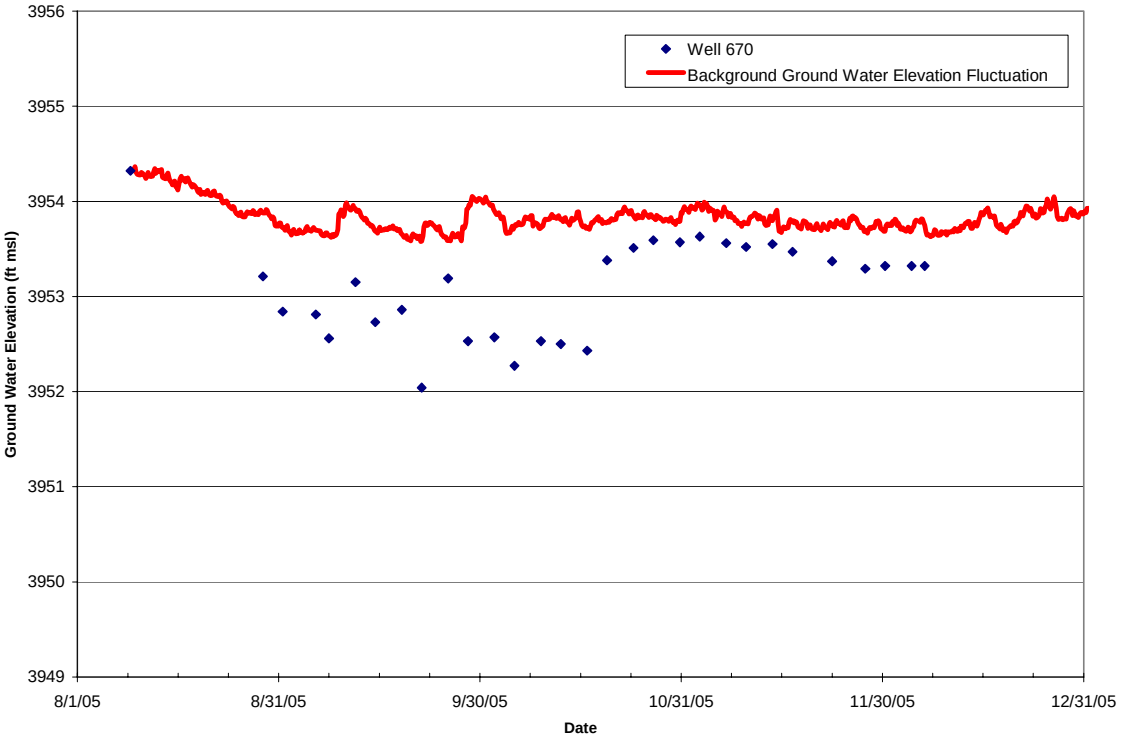

Well 477
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date

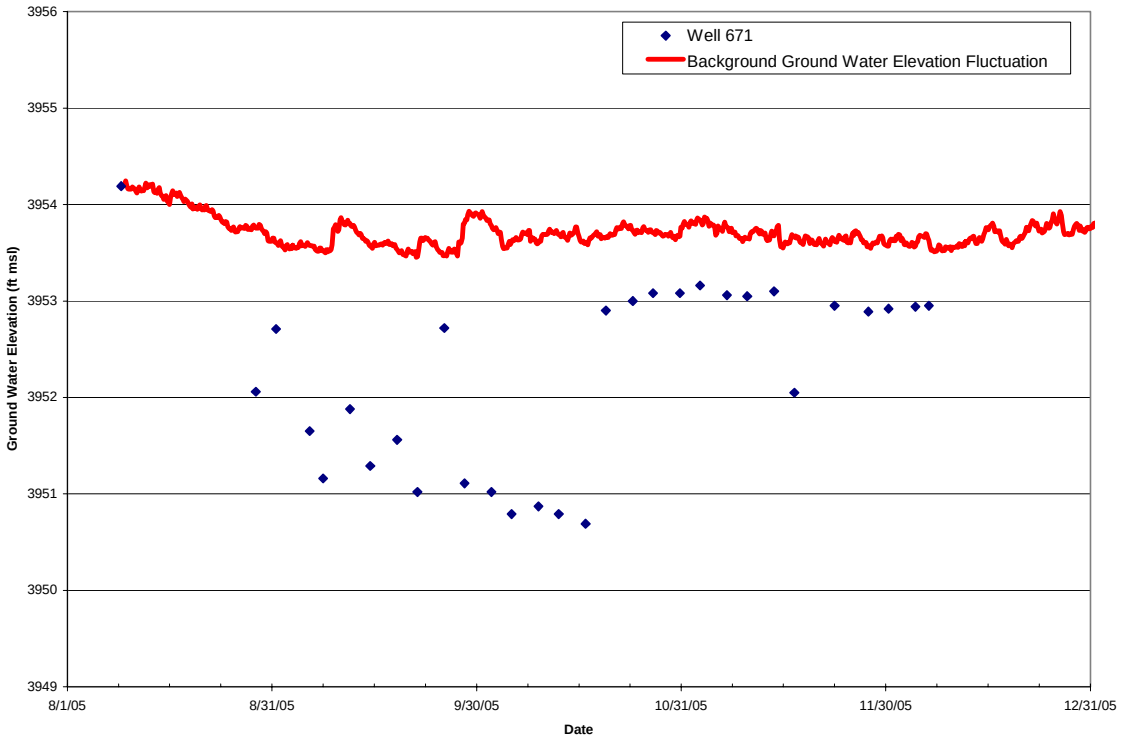

Well 478
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
3946
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date

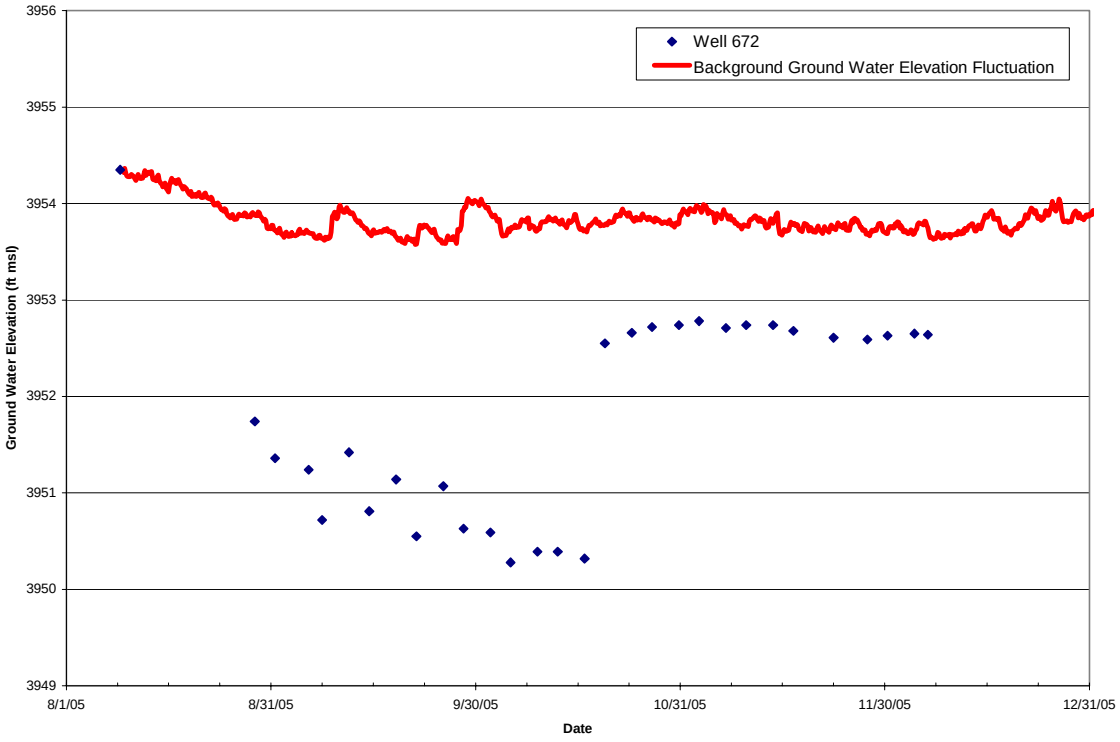

Well 479
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05
Date

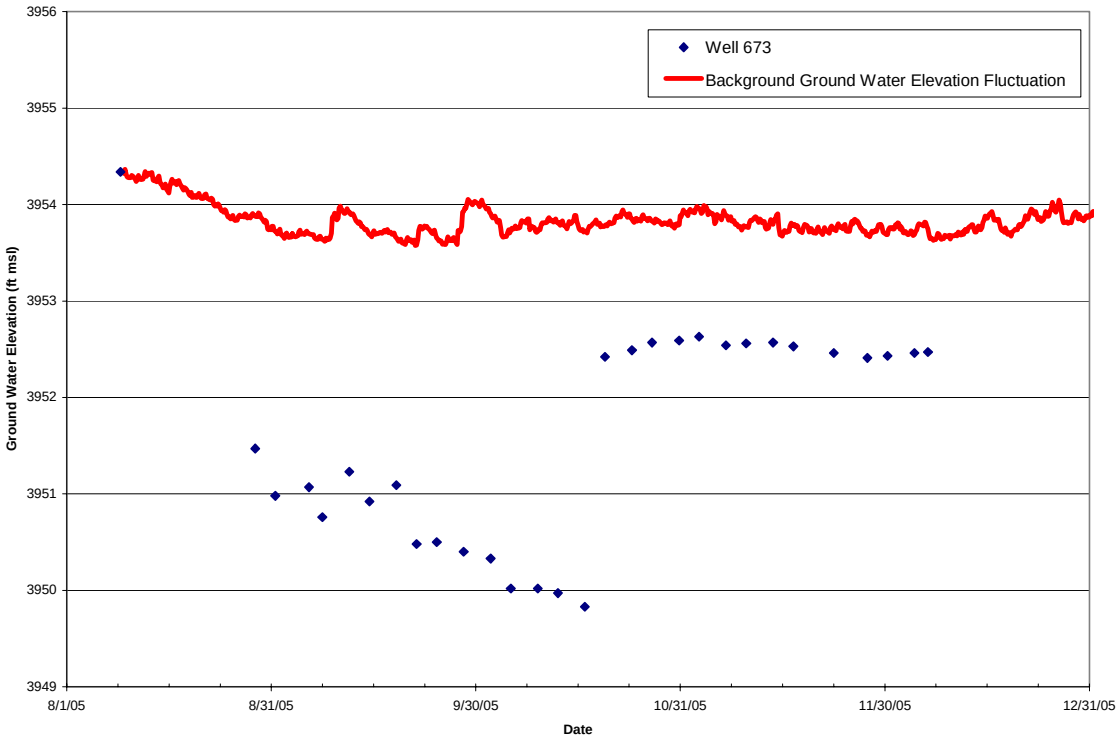
# Appendix B−7

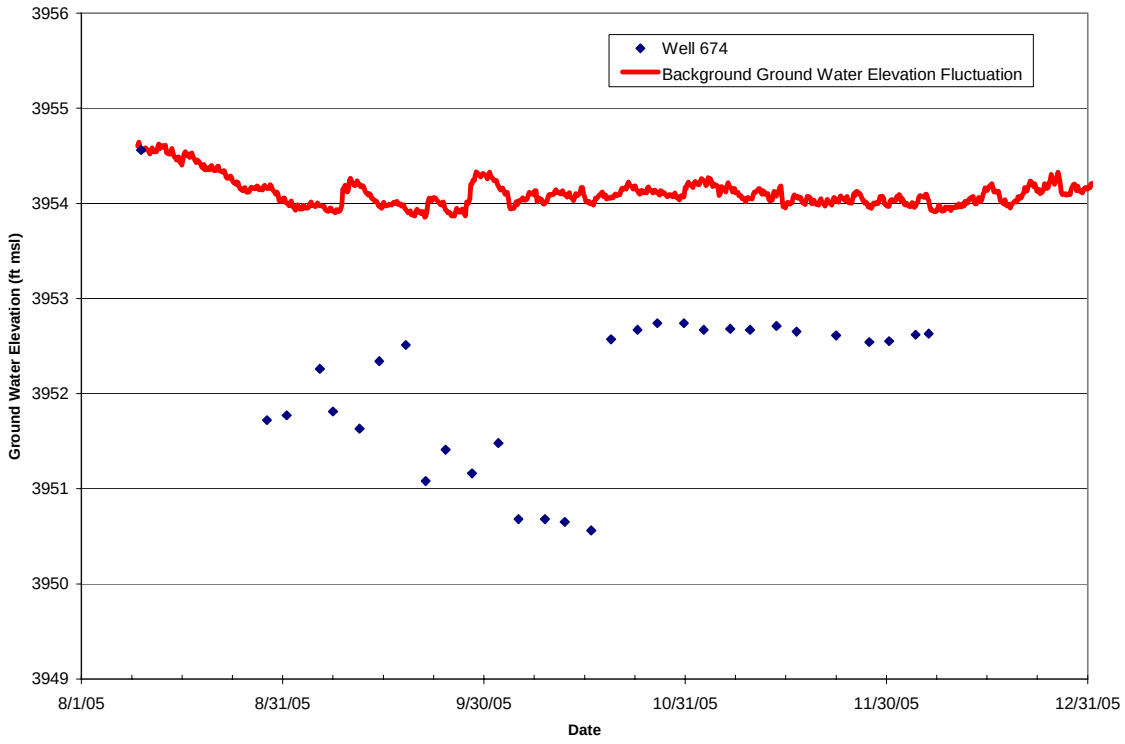
# Configuration 3 Extraction Well Water Level Plots

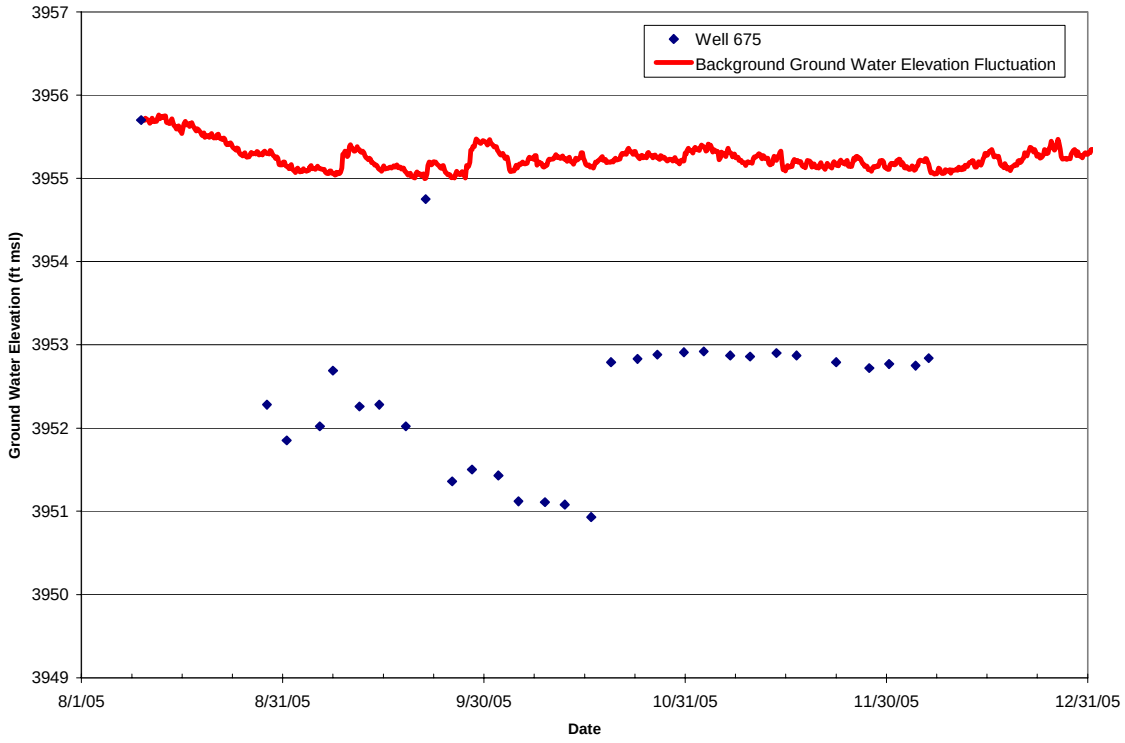

Well 670
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

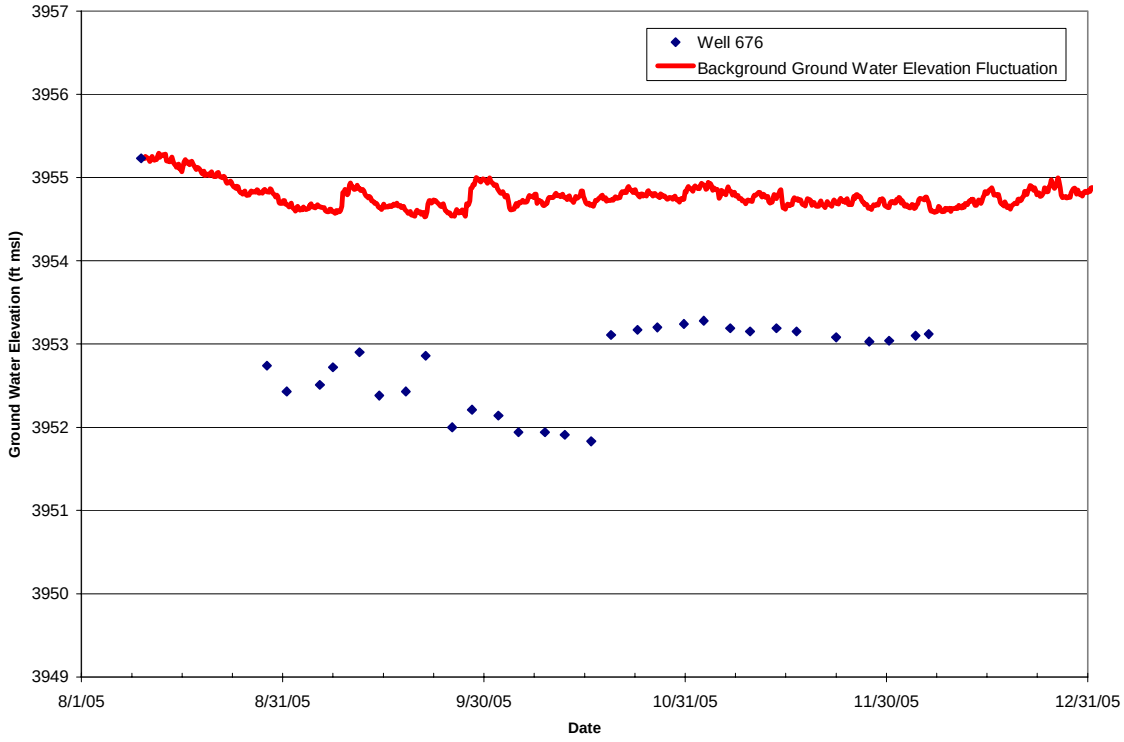

Well 671
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

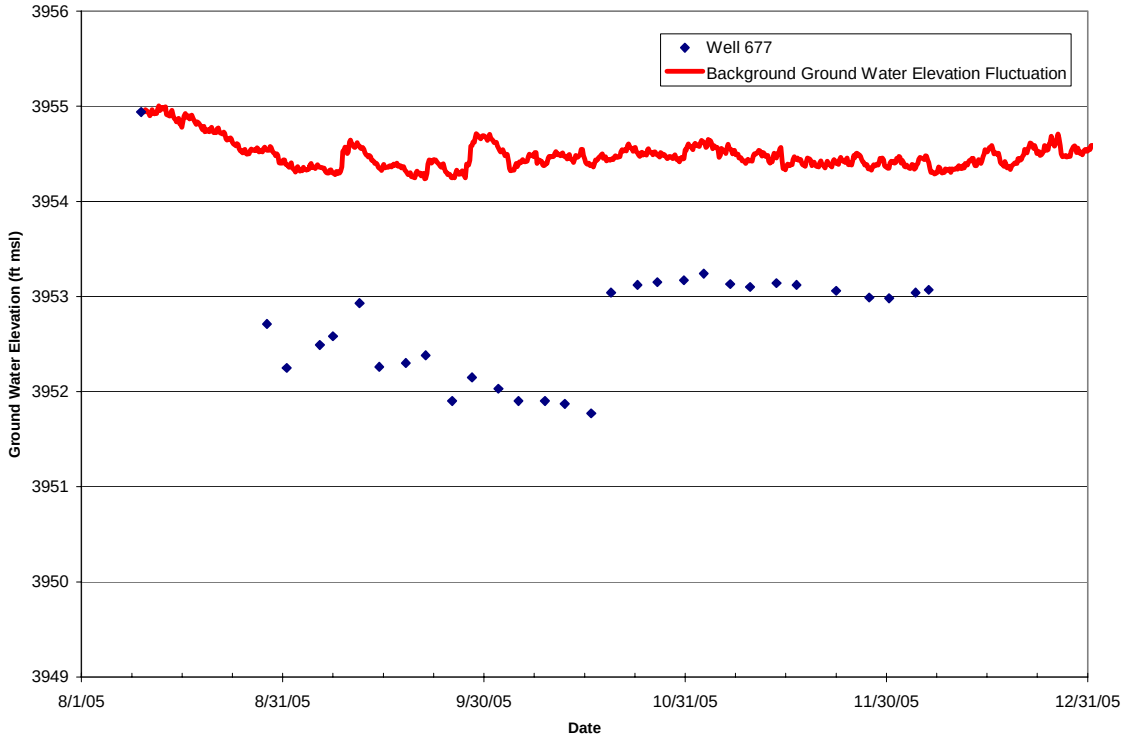

Well 672
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

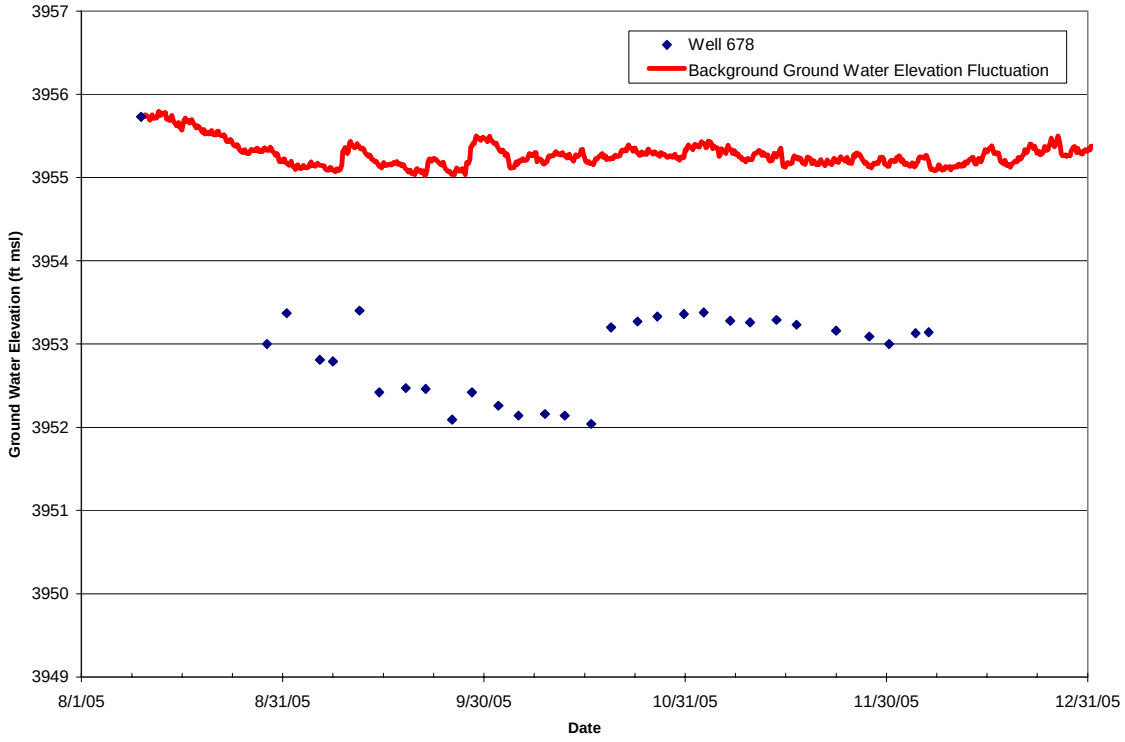

Well 673
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

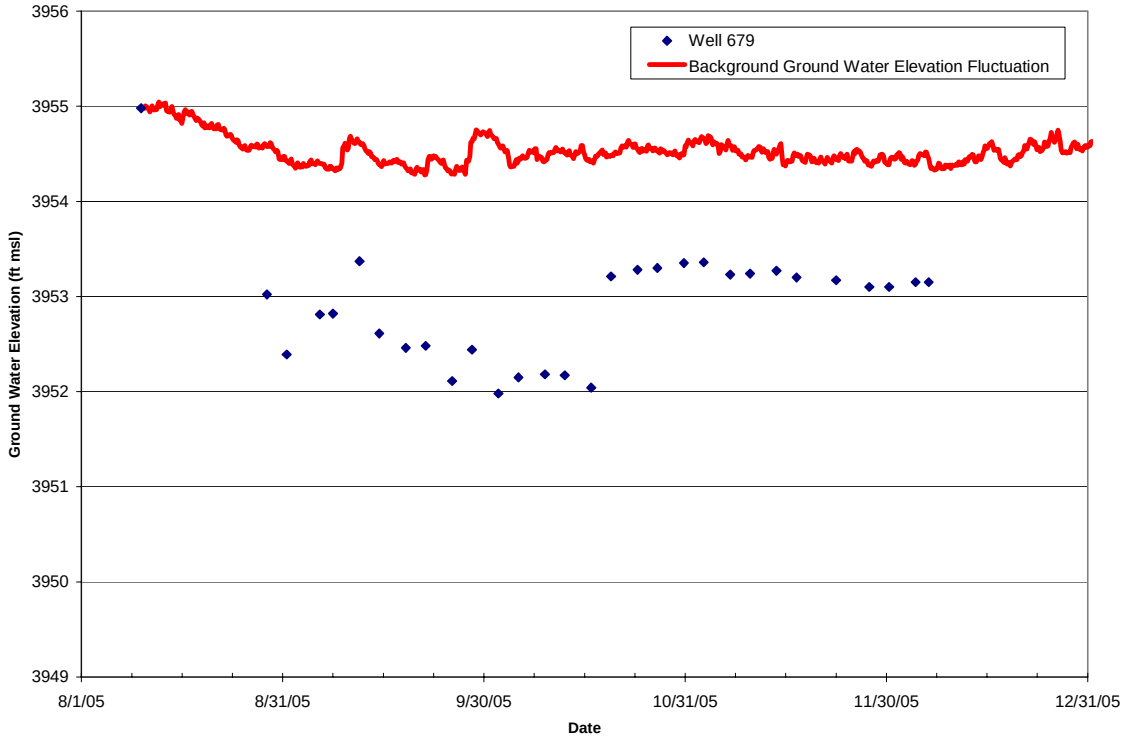

Well 674
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 675
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3957
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 676
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3957
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 677
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 678
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3957
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date


Well 679
Background Ground Water Elevation Fluctuation
Ground Water Elevation (ft msl)
3956
3955
3954
3953
3952
3951
3950
3949
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
Date

# Appendix C

# Observation Well and Piezometer Ground Water Elevation Data

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:51 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT | | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| | | | DATE | TIME | | | |
| 0403 | O | 3968.95 | 04/05/2004 | | 15.83 | 3953.12 | |
| | | 3968.95 | 05/05/2004 | 15:35 | 15.69 | 3953.26 | |
| | | 3968.95 | 06/03/2004 | | 15.33 | 3953.62 | |
| | | 3968.95 | 07/07/2004 | | 17.33 | 3951.62 | |
| | | 3968.95 | 08/04/2004 | 15:27 | 16.91 | 3952.04 | |
| | | 3968.95 | 09/01/2004 | 17:58 | 17.36 | 3951.59 | |
| | | 3968.95 | 10/14/2004 | 13:23 | 16.75 | 3952.20 | |
| | | 3968.95 | 11/01/2004 | 12:35 | 16.43 | 3952.52 | |
| | | 3968.95 | 11/19/2004 | 11:12 | 16.29 | 3952.66 | |
| | | 3968.95 | 12/16/2004 | 11:57 | 16.61 | 3952.34 | |
| | | 3968.95 | 01/27/2005 | 11:51 | 15.87 | 3953.08 | |
| | | 3968.95 | 02/23/2005 | 17:29 | 16.10 | 3952.85 | |
| | | 3968.95 | 03/15/2005 | 10:57 | 16.34 | 3952.61 | |
| | | 3968.95 | 04/20/2005 | 13:11 | 13.40 | 3955.55 | |
| | | 3968.95 | 05/25/2005 | 17:51 | 7.20 | 3961.75 | |
| | | 3968.95 | 06/23/2005 | 15:19 | 11.34 | 3957.61 | |
| | | 3968.95 | 07/12/2005 | 14:43 | 13.89 | 3955.06 | |
| | | 3968.95 | 07/26/2005 | 17:51 | 15.45 | 3953.50 | |
| | | 3968.95 | 08/24/2005 | 10:40 | 16.20 | 3952.75 | |
| | | 3968.95 | 09/27/2005 | 16:00 | 16.37 | 3952.58 | |
| | | 3968.95 | 10/27/2005 | 16:15 | 16.36 | 3952.59 | |
| | | 3968.95 | 12/13/2005 | 11:00 | 16.18 | 3952.77 | |
| 0407 | O | 3969.09 | 04/05/2004 | | 16.29 | 3952.80 | |
| | | 3969.09 | 05/05/2004 | 13:23 | 16.33 | 3952.76 | |
| | | 3969.09 | 06/03/2004 | | 15.82 | 3953.27 | |
| | | 3969.09 | 07/07/2004 | | 17.05 | 3952.04 | |
| | | 3969.09 | 08/04/2004 | 15:57 | 17.75 | 3951.34 | |
| | | 3969.09 | 09/01/2004 | 18:27 | 17.98 | 3951.11 | |
| | | 3969.09 | 10/14/2004 | 13:51 | 17.51 | 3951.58 | |
| | | 3969.09 | 10/28/2004 | 11:08 | 17.45 | 3951.64 | |
| | | 3969.09 | 11/18/2004 | 17:19 | 17.53 | 3951.56 | |
| | | 3969.09 | 12/15/2004 | 15:35 | 17.65 | 3951.44 | |
| | | 3969.09 | 01/27/2005 | 12:35 | 16.83 | 3952.26 | |
| | | 3969.09 | 02/23/2005 | 17:51 | 17.01 | 3952.08 | |
| | | 3969.09 | 03/15/2005 | 11:40 | 17.22 | 3951.87 | |
| | | 3969.09 | 04/20/2005 | 14:03 | 13.72 | 3955.37 | |
| | | 3969.09 | 05/25/2005 | 18:10 | 7.72 | 3961.37 | |
| | | 3969.09 | 06/23/2005 | 17:43 | 11.33 | 3957.76 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:51 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0407 | O | 3969.09 | 07/12/2005 | 12:58 | 14.29 | 3954.80 | |
| | | 3969.09 | 07/26/2005 | 18:19 | 15.96 | 3953.13 | |
| | | 3969.09 | 08/24/2005 | 16:15 | 16.95 | 3952.14 | |
| | | 3969.09 | 09/27/2005 | 16:28 | 17.05 | 3952.04 | |
| | | 3969.09 | 10/27/2005 | 18:20 | 16.98 | 3952.11 | |
| | | 3969.09 | 12/12/2005 | 16:00 | 17.00 | 3952.09 | |
| 0480 | | 3968.65 | 04/05/2004 | | 15.60 | 3953.05 | |
| | | 3968.65 | 06/03/2004 | | 15.05 | 3953.60 | |
| | | 3968.65 | 07/06/2004 | | 16.97 | 3951.68 | |
| | | 3968.65 | 08/04/2004 | 10:56 | 17.70 | 3950.95 | |
| | | 3968.65 | 09/01/2004 | 11:23 | 17.46 | 3951.19 | |
| | | 3968.65 | 10/13/2004 | 16:09 | 17.07 | 3951.58 | |
| | | 3968.65 | 01/26/2005 | 13:00 | 15.88 | 3952.77 | |
| 0481 | | 3968.83 | 04/05/2004 | | 15.39 | 3953.44 | |
| | | 3968.83 | 06/03/2004 | | 14.83 | 3954.00 | |
| | | 3968.83 | 07/06/2004 | | 16.82 | 3952.01 | |
| | | 3968.83 | 08/04/2004 | 11:21 | 16.55 | 3952.28 | |
| | | 3968.83 | 09/01/2004 | 11:47 | 16.75 | 3952.08 | |
| | | 3968.83 | 10/13/2004 | 16:29 | 16.35 | 3952.48 | |
| | | 3968.83 | 01/26/2005 | 13:18 | 15.62 | 3953.21 | |
| 0482 | | 3968.70 | 04/05/2004 | | 16.14 | 3952.56 | |
| | | 3968.70 | 06/03/2004 | | 15.64 | 3953.06 | |
| | | 3968.70 | 07/06/2004 | | 16.41 | 3952.29 | |
| | | 3968.70 | 08/04/2004 | 11:40 | 17.12 | 3951.58 | |
| | | 3968.70 | 09/01/2004 | 12:06 | 17.40 | 3951.30 | |
| | | 3968.70 | 10/13/2004 | 16:51 | 16.91 | 3951.79 | |
| | | 3968.70 | 01/26/2005 | 13:36 | 16.40 | 3952.30 | |
| 0483 | | 3968.90 | 04/05/2004 | | 15.88 | 3953.02 | |
| | | 3968.90 | 06/03/2004 | | 15.39 | 3953.51 | |
| | | 3968.90 | 07/06/2004 | | 17.36 | 3951.54 | |
| | | 3968.90 | 08/04/2004 | 13:47 | 17.85 | 3951.05 | |
| | | 3968.90 | 09/01/2004 | 16:25 | 17.81 | 3951.09 | |
| | | 3968.90 | 10/13/2004 | 17:46 | 17.45 | 3951.45 | |
| | | 3968.90 | 11/19/2004 | 09:00 | 17.42 | 3951.48 | |
| | | 3968.90 | 12/15/2004 | 16:04 | 17.40 | 3951.50 | |
| | | 3968.90 | 01/26/2005 | 17:22 | 16.12 | 3952.78 | |
| | | 3968.90 | 02/23/2005 | 16:39 | 16.65 | 3952.25 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:51 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0483 | | 3968.90 | 03/15/2005 | 12:06 | 17.12 | 3951.78 | |
| | | 3968.90 | 04/27/2005 | 14:05 | 13.73 | 3955.17 | |
| | | 3968.90 | 05/25/2005 | 16:37 | 8.22 | 3960.68 | |
| | | 3968.90 | 06/24/2005 | 10:09 | 11.36 | 3957.54 | |
| | | 3968.90 | 07/26/2005 | 18:36 | 15.86 | 3953.04 | |
| | | 3968.90 | 08/24/2005 | 11:40 | 16.68 | 3952.22 | |
| | | 3968.90 | 09/28/2005 | 08:16 | 16.92 | 3951.98 | |
| | | 3968.90 | 10/27/2005 | 17:40 | 16.89 | 3952.01 | |
| | | 3968.90 | 12/13/2005 | 09:40 | 16.41 | 3952.49 | |
| 0484 | | 3969.19 | 04/05/2004 | | 15.89 | 3953.30 | |
| | | 3969.19 | 06/03/2004 | | 15.34 | 3953.85 | |
| | | 3969.19 | 07/06/2004 | | 16.72 | 3952.47 | |
| | | 3969.19 | 08/04/2004 | 14:11 | 17.29 | 3951.90 | |
| | | 3969.19 | 09/01/2004 | 16:44 | 17.37 | 3951.82 | |
| | | 3969.19 | 10/13/2004 | 18:05 | 17.11 | 3952.08 | |
| | | 3969.19 | 11/19/2004 | 09:27 | 17.04 | 3952.15 | |
| | | 3969.19 | 01/27/2005 | 08:10 | 16.22 | 3952.97 | |
| | | 3969.19 | 10/12/2005 | 09:42 | 16.56 | 3952.63 | |
| | | 3969.19 | 12/07/2005 | 09:54 | 17.10 | 3952.09 | |
| 0485 | | 3968.81 | 04/05/2004 | | 15.71 | 3953.10 | |
| | | 3968.81 | 06/03/2004 | | 15.28 | 3953.53 | |
| | | 3968.81 | 07/06/2004 | | 16.07 | 3952.74 | |
| | | 3968.81 | 08/04/2004 | 14:50 | 16.65 | 3952.16 | |
| | | 3968.81 | 09/01/2004 | 17:02 | 16.95 | 3951.86 | |
| | | 3968.81 | 10/13/2004 | 18:24 | 16.51 | 3952.30 | |
| | | 3968.81 | 01/27/2005 | 08:38 | 16.00 | 3952.81 | |
| 0557 | | 3968.85 | 08/18/2004 | 17:59 | 16.40 | 3952.45 | |
| | | 3968.85 | 09/01/2004 | 16:00 | 16.41 | 3952.44 | |
| | | 3968.85 | 10/13/2004 | 17:15 | 16.01 | 3952.84 | |
| | | 3968.85 | 11/19/2004 | 08:11 | 15.84 | 3953.01 | |
| | | 3968.85 | 12/16/2004 | 11:17 | 15.94 | 3952.91 | |
| | | 3968.85 | 01/26/2005 | 13:59 | 15.35 | 3953.50 | |
| | | 3968.85 | 02/24/2005 | 08:16 | 15.37 | 3953.48 | |
| | | 3968.85 | 03/15/2005 | 12:22 | 15.41 | 3953.44 | |
| | | 3968.85 | 04/27/2005 | 14:30 | 13.58 | 3955.27 | |
| | | 3968.85 | 05/25/2005 | 16:20 | 9.46 | 3959.39 | |
| | | 3968.85 | 06/24/2005 | 10:28 | 11.70 | 3957.15 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:51 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0557 | | 3968.85 | 07/26/2005 | 18:55 | 14.97 | 3953.88 | |
| | | 3968.85 | 08/24/2005 | 11:23 | 15.97 | 3952.88 | |
| | | 3968.85 | 09/28/2005 | 08:38 | 16.02 | 3952.83 | |
| | | 3968.85 | 10/12/2005 | 10:40 | 15.80 | 3953.05 | |
| | | 3968.85 | 11/10/2005 | 08:34 | 15.92 | 3952.93 | |
| | | 3968.85 | 12/07/2005 | 10:45 | 16.29 | 3952.56 | |
| 0558 | | 3968.79 | 08/19/2004 | 11:22 | 17.20 | 3951.59 | |
| | | 3968.79 | 09/01/2004 | 17:19 | 17.20 | 3951.59 | |
| | | 3968.79 | 10/14/2004 | 10:13 | 16.80 | 3951.99 | |
| | | 3968.79 | 01/27/2005 | 09:01 | 16.21 | 3952.58 | |
| | | 3968.79 | 10/12/2005 | 10:16 | 16.35 | 3952.44 | |
| | | 3968.79 | 12/07/2005 | 10:24 | 16.74 | 3952.05 | |
| 0559 | | 3969.92 | 08/19/2004 | 10:01 | 18.70 | 3951.22 | |
| | | 3969.92 | 09/02/2004 | 09:12 | 18.51 | 3951.41 | |
| | | 3969.92 | 10/14/2004 | 10:52 | 17.97 | 3951.95 | |
| | | 3969.92 | 11/19/2004 | 10:03 | 17.91 | 3952.01 | |
| | | 3969.92 | 12/15/2004 | 16:31 | 17.91 | 3952.01 | |
| | | 3969.92 | 01/27/2005 | 09:50 | 17.32 | 3952.60 | |
| | | 3969.92 | 02/23/2005 | 17:01 | 17.40 | 3952.52 | |
| | | 3969.92 | 03/14/2005 | 17:24 | 17.67 | 3952.25 | |
| | | 3969.92 | 04/27/2005 | 13:31 | 14.12 | 3955.80 | |
| | | 3969.92 | 05/25/2005 | 17:33 | 7.84 | 3962.08 | |
| | | 3969.92 | 06/23/2005 | 16:24 | 12.08 | 3957.84 | |
| | | 3969.92 | 07/26/2005 | 16:56 | 16.39 | 3953.53 | |
| | | 3969.92 | 08/24/2005 | 10:18 | 17.31 | 3952.61 | |
| | | 3969.92 | 09/27/2005 | 15:10 | 17.60 | 3952.32 | |
| | | 3969.92 | 10/27/2005 | 17:00 | 17.42 | 3952.50 | |
| | | 3969.92 | 12/13/2005 | 08:35 | 17.49 | 3952.43 | |
| 0560 | | 3968.77 | 08/19/2004 | 08:04 | 17.16 | 3951.61 | |
| | | 3968.77 | 09/02/2004 | 10:42 | 17.22 | 3951.55 | |
| | | 3968.77 | 10/14/2004 | 11:25 | 16.76 | 3952.01 | |
| | | 3968.77 | 11/19/2004 | 10:32 | 16.63 | 3952.14 | |
| | | 3968.77 | 12/15/2004 | 17:03 | 16.55 | 3952.22 | |
| | | 3968.77 | 01/27/2005 | 10:15 | 16.18 | 3952.59 | |
| | | 3968.77 | 02/24/2005 | 08:43 | 16.15 | 3952.62 | |
| | | 3968.77 | 03/14/2005 | 17:49 | 16.21 | 3952.56 | |
| | | 3968.77 | 04/27/2005 | 13:00 | 13.93 | 3954.84 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:51 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0560 | | 3968.77 | 05/25/2005 | 16:58 | 8.80 | 3959.97 | |
| | | 3968.77 | 06/23/2005 | 15:54 | 11.25 | 3957.52 | |
| | | 3968.77 | 07/26/2005 | 17:19 | 15.12 | 3953.65 | |
| | | 3968.77 | 08/24/2005 | 09:16 | 16.02 | 3952.75 | |
| | | 3968.77 | 09/27/2005 | 15:37 | 16.23 | 3952.54 | |
| | | 3968.77 | 10/12/2005 | 11:05 | 15.98 | 3952.79 | |
| | | 3968.77 | 11/10/2005 | 08:08 | 16.12 | 3952.65 | |
| | | 3968.77 | 12/06/2005 | 15:39 | 16.15 | 3952.62 | |
| 0561 | | 3968.56 | 08/19/2004 | 09:05 | 17.15 | 3951.41 | |
| | | 3968.56 | 09/02/2004 | 10:12 | 17.20 | 3951.36 | |
| | | 3968.56 | 10/14/2004 | 11:55 | 16.75 | 3951.81 | |
| | | 3968.56 | 01/27/2005 | 11:02 | 16.22 | 3952.34 | |
| 0596 | | 3968.76 | 10/12/2005 | 09:22 | 15.96 | 3952.80 | |
| | | 3968.76 | 11/10/2005 | 07:47 | 16.36 | 3952.40 | |
| | | 3968.76 | 12/06/2005 | 16:07 | 16.45 | 3952.31 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code
in('0403','0407','0481','0482','0483','0484','0485','0551','0552','0553','0554','0555','0556','0557','0558','0559','0560','0561','0596','0480')
AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0401 | O | 3969.60 | 05/06/2004 | 08:24 | 15.49 | 3954.11 | |
| | | 3969.60 | 08/11/2004 | 11:30 | 16.52 | 3953.08 | |
| | | 3969.60 | 10/15/2004 | 09:53 | 15.63 | 3953.97 | |
| | | 3969.60 | 11/01/2004 | 14:59 | 15.67 | 3953.93 | |
| | | 3969.60 | 11/03/2004 | 12:44 | 15.70 | 3953.90 | |
| | | 3969.60 | 12/17/2004 | 09:32 | 15.60 | 3954.00 | |
| | | 3969.60 | 01/28/2005 | 09:12 | 15.19 | 3954.41 | |
| | | 3969.60 | 02/25/2005 | 10:53 | 15.20 | 3954.40 | |
| | | 3969.60 | 03/16/2005 | 11:58 | 15.21 | 3954.39 | |
| | | 3969.60 | 04/20/2005 | 09:15 | 13.95 | 3955.65 | |
| | | 3969.60 | 05/26/2005 | 08:06 | 8.46 | 3961.14 | |
| | | 3969.60 | 06/24/2005 | 07:53 | 11.72 | 3957.88 | |
| | | 3969.60 | 07/13/2005 | 15:10 | 13.68 | 3955.92 | |
| | | 3969.60 | 07/28/2005 | 10:45 | 14.74 | 3954.86 | |
| | | 3969.60 | 08/26/2005 | 10:47 | 15.98 | 3953.62 | |
| | | 3969.60 | 09/28/2005 | 16:57 | 16.55 | 3953.05 | |
| | | 3969.60 | 10/20/2005 | 17:24 | 16.00 | 3953.60 | |
| | | 3969.60 | 11/15/2005 | 13:52 | 15.98 | 3953.62 | |
| | | 3969.60 | 12/09/2005 | 11:25 | 16.12 | 3953.48 | |
| 0402 | O | 3968.63 | 05/05/2004 | 17:08 | 15.15 | 3953.48 | |
| | | 3968.63 | 08/12/2004 | 09:09 | 15.53 | 3953.10 | |
| | | 3968.63 | 10/15/2004 | 08:15 | 15.61 | 3953.02 | |
| | | 3968.63 | 10/28/2004 | 15:51 | 15.23 | 3953.40 | |
| | | 3968.63 | 11/02/2004 | 16:15 | 15.30 | 3953.33 | |
| | | 3968.63 | 12/16/2004 | 16:31 | 15.26 | 3953.37 | |
| | | 3968.63 | 01/28/2005 | 11:41 | 14.97 | 3953.66 | |
| | | 3968.63 | 02/24/2005 | 16:29 | 15.05 | 3953.58 | |
| | | 3968.63 | 03/16/2005 | 09:07 | 15.15 | 3953.48 | |
| | | 3968.63 | 04/20/2005 | 10:27 | 13.10 | 3955.53 | |
| | | 3968.63 | 05/24/2005 | 15:07 | 7.36 | 3961.27 | |
| | | 3968.63 | 06/22/2005 | 10:57 | 10.79 | 3957.84 | |
| | | 3968.63 | 07/12/2005 | 16:05 | 12.97 | 3955.66 | |
| | | 3968.63 | 07/27/2005 | 16:51 | 14.25 | 3954.38 | |
| | | 3968.63 | 08/25/2005 | 17:13 | 15.30 | 3953.33 | |
| | | 3968.63 | 09/28/2005 | 14:11 | 15.66 | 3952.97 | |
| | | 3968.63 | 10/19/2005 | 11:27 | 15.40 | 3953.23 | |
| | | 3968.63 | 11/03/2005 | 16:25 | 15.29 | 3953.34 | |
| | | 3968.63 | 11/10/2005 | 14:00 | 15.45 | 3953.18 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0402 | O | 3968.63 | 12/08/2005 | 15:52 | 15.59 | 3953.04 | |
| 0408 | O | 3969.17 | 05/06/2004 | 09:09 | 15.00 | 3954.17 | |
| | | 3969.17 | 08/11/2004 | 10:58 | 16.17 | 3953.00 | |
| | | 3969.17 | 10/28/2004 | 16:29 | 15.27 | 3953.90 | |
| | | 3969.17 | 11/03/2004 | 13:11 | 16.14 | 3953.03 | |
| | | 3969.17 | 12/17/2004 | 09:13 | 16.05 | 3953.12 | |
| | | 3969.17 | 01/28/2005 | 08:45 | 14.79 | 3954.38 | |
| | | 3969.17 | 02/25/2005 | 10:33 | 14.74 | 3954.43 | |
| | | 3969.17 | 03/16/2005 | 11:43 | 14.90 | 3954.27 | |
| | | 3969.17 | 04/20/2005 | 09:35 | 13.33 | 3955.84 | |
| | | 3969.17 | 05/26/2005 | 07:45 | 8.01 | 3961.16 | |
| | | 3969.17 | 06/24/2005 | 08:16 | 10.81 | 3958.36 | |
| | | 3969.17 | 07/13/2005 | 15:37 | 13.28 | 3955.89 | |
| | | 3969.17 | 07/28/2005 | 10:22 | 14.55 | 3954.62 | |
| | | 3969.17 | 08/26/2005 | 10:30 | 15.51 | 3953.66 | |
| | | 3969.17 | 09/28/2005 | 16:39 | 16.10 | 3953.07 | |
| | | 3969.17 | 10/20/2005 | 16:47 | 15.54 | 3953.63 | |
| | | 3969.17 | 11/15/2005 | 13:26 | 15.54 | 3953.63 | |
| | | 3969.17 | 12/09/2005 | 11:00 | 15.71 | 3953.46 | |
| 0580 | | 3969.32 | 09/03/2004 | 09:38 | 17.88 | 3951.44 | |
| | | 3969.32 | 09/13/2004 | 16:37 | 17.85 | 3951.47 | |
| | | 3969.32 | 10/05/2004 | 13:40 | 17.46 | 3951.86 | |
| | | 3969.32 | 10/15/2004 | 08:50 | 17.10 | 3952.22 | |
| | | 3969.32 | 11/02/2004 | 14:22 | 17.00 | 3952.32 | |
| | | 3969.32 | 11/19/2004 | 11:40 | 16.90 | 3952.42 | |
| | | 3969.32 | 12/16/2004 | 15:14 | 16.99 | 3952.33 | |
| | | 3969.32 | 01/28/2005 | 12:26 | 16.15 | 3953.17 | |
| | | 3969.32 | 02/24/2005 | 11:01 | 16.45 | 3952.87 | |
| | | 3969.32 | 03/16/2005 | 07:57 | 16.69 | 3952.63 | |
| | | 3969.32 | 04/26/2005 | 16:20 | 13.75 | 3955.57 | |
| | | 3969.32 | 05/24/2005 | 14:01 | 8.26 | 3961.06 | |
| | | 3969.32 | 06/22/2005 | 09:43 | 11.84 | 3957.48 | |
| | | 3969.32 | 07/28/2005 | 08:18 | 15.55 | 3953.77 | |
| | | 3969.32 | 08/25/2005 | 15:38 | 16.49 | 3952.83 | |
| | | 3969.32 | 09/28/2005 | 13:04 | 16.82 | 3952.50 | |
| | | 3969.32 | 10/19/2005 | 09:37 | 16.63 | 3952.69 | |
| | | 3969.32 | 11/10/2005 | 11:38 | 16.85 | 3952.47 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0580 | | 3969.32 | 12/08/2005 | 14:00 | 16.67 | 3952.65 | |
| 0581 | | 3969.02 | 09/23/2004 | 09:14 | 16.75 | 3952.27 | |
| | | 3969.02 | 10/15/2004 | 10:37 | 16.23 | 3952.79 | |
| | | 3969.02 | 11/02/2004 | 15:28 | 16.03 | 3952.99 | |
| | | 3969.02 | 12/16/2004 | 16:02 | 15.98 | 3953.04 | |
| | | 3969.02 | 01/28/2005 | 12:11 | 15.42 | 3953.60 | |
| | | 3969.02 | 02/24/2005 | 11:31 | 15.63 | 3953.39 | |
| | | 3969.02 | 03/16/2005 | 08:31 | 15.77 | 3953.25 | |
| | | 3969.02 | 04/26/2005 | 17:10 | 13.36 | 3955.66 | |
| | | 3969.02 | 05/24/2005 | 14:47 | 8.15 | 3960.87 | |
| | | 3969.02 | 06/22/2005 | 10:36 | 11.25 | 3957.77 | |
| | | 3969.02 | 07/28/2005 | 09:01 | 14.78 | 3954.24 | |
| | | 3969.02 | 08/25/2005 | 16:41 | 15.77 | 3953.25 | |
| | | 3969.02 | 09/28/2005 | 13:49 | 16.12 | 3952.90 | |
| | | 3969.02 | 10/19/2005 | 10:00 | 15.93 | 3953.09 | |
| | | 3969.02 | 11/10/2005 | 12:08 | 16.01 | 3953.01 | |
| | | 3969.02 | 12/08/2005 | 14:55 | 16.08 | 3952.94 | |
| 0582 | | 3969.65 | 09/23/2004 | 09:37 | 17.04 | 3952.61 | |
| | | 3969.65 | 10/14/2004 | 18:21 | 16.79 | 3952.86 | |
| | | 3969.65 | 11/02/2004 | 15:03 | 16.47 | 3953.18 | |
| | | 3969.65 | 12/16/2004 | 15:35 | 16.42 | 3953.23 | |
| | | 3969.65 | 01/28/2005 | 11:52 | 16.05 | 3953.60 | |
| | | 3969.65 | 02/24/2005 | 16:05 | 16.17 | 3953.48 | |
| | | 3969.65 | 03/16/2005 | 08:18 | 16.28 | 3953.37 | |
| | | 3969.65 | 04/26/2005 | 16:45 | 13.64 | 3956.01 | |
| | | 3969.65 | 05/24/2005 | 14:27 | 7.86 | 3961.79 | |
| | | 3969.65 | 06/22/2005 | 10:08 | 11.79 | 3957.86 | |
| | | 3969.65 | 07/28/2005 | 08:38 | 15.29 | 3954.36 | |
| | | 3969.65 | 08/25/2005 | 16:10 | 16.25 | 3953.40 | |
| | | 3969.65 | 09/28/2005 | 13:21 | 16.68 | 3952.97 | |
| | | 3969.65 | 10/19/2005 | 10:38 | 16.44 | 3953.21 | |
| | | 3969.65 | 11/10/2005 | 12:35 | 16.51 | 3953.14 | |
| | | 3969.65 | 12/08/2005 | 15:23 | 16.62 | 3953.03 | |
| 0583 | | 3969.64 | 09/23/2004 | 10:06 | 17.07 | 3952.57 | |
| | | 3969.64 | 10/14/2004 | 16:37 | 16.53 | 3953.11 | |
| | | 3969.64 | 11/02/2004 | 16:55 | 16.19 | 3953.45 | |
| | | 3969.64 | 12/16/2004 | 17:01 | 16.17 | 3953.47 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0583 | | 3969.64 | 01/28/2005 | 10:20 | 15.80 | 3953.84 | |
| | | 3969.64 | 02/25/2005 | 09:33 | 15.86 | 3953.78 | |
| | | 3969.64 | 03/16/2005 | 10:35 | 15.94 | 3953.70 | |
| | | 3969.64 | 04/26/2005 | 17:34 | 13.78 | 3955.86 | |
| | | 3969.64 | 05/24/2005 | 16:56 | 8.69 | 3960.95 | |
| | | 3969.64 | 06/22/2005 | 14:45 | 11.64 | 3958.00 | |
| | | 3969.64 | 07/28/2005 | 09:16 | 15.08 | 3954.56 | |
| | | 3969.64 | 08/26/2005 | 09:12 | 16.05 | 3953.59 | |
| | | 3969.64 | 09/28/2005 | 15:42 | 16.48 | 3953.16 | |
| | | 3969.64 | 10/19/2005 | 13:30 | 16.29 | 3953.35 | |
| | | 3969.64 | 11/15/2005 | 11:33 | 16.33 | 3953.31 | |
| | | 3969.64 | 12/08/2005 | 16:13 | 16.43 | 3953.21 | |
| 0584 | | 3969.13 | 09/23/2004 | 10:42 | 16.37 | 3952.76 | |
| | | 3969.13 | 10/15/2004 | 10:26 | 15.81 | 3953.32 | |
| | | 3969.13 | 11/02/2004 | 17:15 | 15.48 | 3953.65 | |
| | | 3969.13 | 12/17/2004 | 08:28 | 15.42 | 3953.71 | |
| | | 3969.13 | 01/28/2005 | 10:02 | 15.15 | 3953.98 | |
| | | 3969.13 | 02/25/2005 | 09:57 | 15.20 | 3953.93 | |
| | | 3969.13 | 03/16/2005 | 10:48 | 15.23 | 3953.90 | |
| | | 3969.13 | 04/27/2005 | 09:37 | 13.09 | 3956.04 | |
| | | 3969.13 | 05/24/2005 | 17:16 | 8.19 | 3960.94 | |
| | | 3969.13 | 06/22/2005 | 15:05 | 11.07 | 3958.06 | |
| | | 3969.13 | 07/28/2005 | 09:36 | 14.40 | 3954.73 | |
| | | 3969.13 | 08/26/2005 | 09:45 | 15.48 | 3953.65 | |
| | | 3969.13 | 09/28/2005 | 16:01 | 15.84 | 3953.29 | |
| | | 3969.13 | 10/19/2005 | 15:25 | 15.64 | 3953.49 | |
| | | 3969.13 | 11/15/2005 | 11:57 | 15.74 | 3953.39 | |
| | | 3969.13 | 12/09/2005 | 09:03 | 15.79 | 3953.34 | |
| 0585 | | 3969.36 | 09/23/2004 | 11:23 | 16.33 | 3953.03 | |
| | | 3969.36 | 10/14/2004 | 17:54 | 15.82 | 3953.54 | |
| | | 3969.36 | 11/03/2004 | 12:13 | 15.41 | 3953.95 | |
| | | 3969.36 | 12/17/2004 | 09:00 | 15.49 | 3953.87 | |
| | | 3969.36 | 01/28/2005 | 09:48 | 15.28 | 3954.08 | |
| | | 3969.36 | 02/25/2005 | 10:20 | 15.29 | 3954.07 | |
| | | 3969.36 | 03/16/2005 | 11:06 | 15.32 | 3954.04 | |
| | | 3969.36 | 04/27/2005 | 10:00 | 13.09 | 3956.27 | |
| | | 3969.36 | 05/24/2005 | 17:40 | 7.90 | 3961.46 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0585 | | 3969.36 | 06/22/2005 | 15:27 | 11.25 | 3958.11 | |
| | | 3969.36 | 07/28/2005 | 09:55 | 14.55 | 3954.81 | |
| | | 3969.36 | 08/26/2005 | 10:00 | 15.73 | 3953.63 | |
| | | 3969.36 | 09/28/2005 | 16:22 | 16.11 | 3953.25 | |
| | | 3969.36 | 10/19/2005 | 15:54 | 15.82 | 3953.54 | |
| | | 3969.36 | 11/15/2005 | 12:28 | 15.85 | 3953.51 | |
| | | 3969.36 | 12/09/2005 | 10:20 | 15.95 | 3953.41 | |
| 0586 | | 3969.20 | 09/23/2004 | 11:42 | 15.72 | 3953.48 | |
| | | 3969.20 | 10/15/2004 | 09:15 | 15.21 | 3953.99 | |
| | | 3969.20 | 11/03/2004 | 13:46 | 15.05 | 3954.15 | |
| | | 3969.20 | 12/17/2004 | 09:41 | 14.92 | 3954.28 | |
| | | 3969.20 | 01/28/2005 | 09:33 | 14.56 | 3954.64 | |
| | | 3969.20 | 02/25/2005 | 11:05 | 14.51 | 3954.69 | |
| | | 3969.20 | 03/16/2005 | 12:10 | 14.49 | 3954.71 | |
| | | 3969.20 | 04/27/2005 | 10:29 | 12.78 | 3956.42 | |
| | | 3969.20 | 05/26/2005 | 08:39 | 7.88 | 3961.32 | |
| | | 3969.20 | 06/24/2005 | 08:41 | 10.68 | 3958.52 | |
| | | 3969.20 | 07/28/2005 | 10:59 | 13.97 | 3955.23 | |
| | | 3969.20 | 08/26/2005 | 11:12 | 15.74 | 3953.46 | |
| | | 3969.20 | 09/28/2005 | 17:19 | 16.44 | 3952.76 | |
| | | 3969.20 | 10/20/2005 | 17:49 | 15.56 | 3953.64 | |
| | | 3969.20 | 11/15/2005 | 14:14 | 15.51 | 3953.69 | |
| | | 3969.20 | 12/09/2005 | 11:50 | 15.39 | 3953.81 | |
| 0587 | | 3968.89 | 09/23/2004 | 11:06 | 16.02 | 3952.87 | |
| | | 3968.89 | 10/14/2004 | 17:22 | 15.72 | 3953.17 | |
| | | 3968.89 | 11/02/2004 | 16:35 | 15.40 | 3953.49 | |
| | | 3968.89 | 12/16/2004 | 16:51 | 15.37 | 3953.52 | |
| | | 3968.89 | 01/28/2005 | 10:40 | 15.08 | 3953.81 | |
| | | 3968.89 | 02/24/2005 | 16:36 | 15.13 | 3953.76 | |
| | | 3968.89 | 03/16/2005 | 10:22 | 15.20 | 3953.69 | |
| | | 3968.89 | 04/27/2005 | 08:31 | 12.73 | 3956.16 | |
| | | 3968.89 | 05/24/2005 | 15:26 | 7.28 | 3961.61 | |
| | | 3968.89 | 06/22/2005 | 14:28 | 10.87 | 3958.02 | |
| | | 3968.89 | 07/27/2005 | 17:13 | 14.32 | 3954.57 | |
| | | 3968.89 | 08/25/2005 | 17:53 | 15.35 | 3953.54 | |
| | | 3968.89 | 09/28/2005 | 14:24 | 15.78 | 3953.11 | |
| | | 3968.89 | 10/19/2005 | 14:37 | 15.45 | 3953.44 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0587 | | 3968.89 | 11/10/2005 | 15:20 | 14.96 | 3953.93 | |
| | | 3968.89 | 12/09/2005 | 09:26 | 15.63 | 3953.26 | |
| 0588 | | 3968.82 | 08/18/2004 | 15:42 | 16.46 | 3952.58 | |
| | | 3968.82 | 11/03/2004 | 14:14 | 14.85 | 3954.19 | |
| | | 3968.82 | 12/17/2004 | 09:55 | 15.00 | 3954.04 | |
| | | 3968.82 | 01/28/2005 | 10:57 | 14.85 | 3954.19 | |
| | | 3968.82 | 02/25/2005 | 08:58 | 14.84 | 3954.20 | |
| | | 3968.82 | 03/16/2005 | 09:50 | 14.93 | 3954.11 | |
| | | 3968.82 | 04/27/2005 | 09:00 | 12.78 | 3956.26 | |
| | | 3968.82 | 05/24/2005 | 15:41 | 7.98 | 3961.06 | |
| | | 3968.82 | 06/22/2005 | 12:10 | 10.94 | 3958.10 | |
| | | 3968.82 | 07/27/2005 | 18:02 | 14.22 | 3954.82 | |
| | | 3968.82 | 08/26/2005 | 08:37 | 15.22 | 3953.82 | |
| | | 3968.82 | 09/28/2005 | 15:13 | 15.68 | 3953.36 | |
| | | 3968.82 | 10/19/2005 | 15:00 | 15.33 | 3953.71 | |
| | | 3968.82 | 10/27/2005 | 13:33 | 15.28 | 3953.76 | |
| | | 3968.82 | 11/10/2005 | 14:57 | 15.35 | 3953.47 | |
| | | 3968.82 | 11/28/2005 | 14:55 | 15.54 | 3953.28 | |
| | | 3968.82 | 12/09/2005 | 10:10 | 15.54 | 3953.28 | |
| | | 3968.82 | 12/16/2005 | 10:10 | 15.27 | 3953.55 | |
| 0589 | | 3968.87 | 08/18/2004 | 16:44 | 16.62 | 3952.25 | |
| | | 3968.87 | 11/03/2004 | 14:39 | 15.12 | 3953.75 | |
| | | 3968.87 | 12/17/2004 | 10:20 | 14.98 | 3953.89 | |
| | | 3968.87 | 01/28/2005 | 11:12 | 14.84 | 3954.03 | |
| | | 3968.87 | 02/24/2005 | 16:55 | 14.79 | 3954.08 | |
| | | 3968.87 | 03/16/2005 | 09:20 | 14.85 | 3954.02 | |
| | | 3968.87 | 04/27/2005 | 07:45 | 12.80 | 3956.07 | |
| | | 3968.87 | 05/24/2005 | 16:25 | 8.34 | 3960.53 | |
| | | 3968.87 | 06/22/2005 | 11:40 | 11.00 | 3957.87 | |
| | | 3968.87 | 07/27/2005 | 17:32 | 14.14 | 3954.73 | |
| | | 3968.87 | 08/25/2005 | 18:17 | 15.18 | 3953.69 | |
| | | 3968.87 | 09/28/2005 | 14:43 | 15.46 | 3953.41 | |
| | | 3968.87 | 10/19/2005 | 13:55 | 15.21 | 3953.66 | |
| | | 3968.87 | 10/27/2005 | 15:05 | 15.14 | 3953.73 | |
| | | 3968.87 | 11/10/2005 | 14:35 | 15.16 | 3953.71 | |
| | | 3968.87 | 11/29/2005 | 10:00 | 15.26 | 3953.61 | |
| | | 3968.87 | 12/09/2005 | 09:45 | 15.34 | 3953.53 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:01 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT | | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| | | | DATE | TIME | | | |
| 0589 | | 3968.87 | 12/16/2005 | 11:30 | 15.03 | 3953.84 | |
| 0600 | | 3968.77 | 10/19/2005 | 11:05 | 15.59 | 3953.18 | |
| | | 3968.77 | 11/10/2005 | 13:24 | 15.60 | 3953.17 | |
| | | 3968.77 | 12/09/2005 | 12:27 | 15.62 | 3953.15 | |
| 0601 | | 3968.73 | 10/20/2005 | 16:22 | 15.23 | 3953.50 | |
| | | 3968.73 | 11/15/2005 | 12:54 | 15.25 | 3953.48 | |
| | | 3968.73 | 12/09/2005 | 10:40 | 15.37 | 3953.36 | |
| 0602 | | 3969.40 | 10/27/2005 | 14:20 | 16.08 | 3953.32 | |
| | | 3969.40 | 11/28/2005 | 11:20 | 16.29 | 3953.11 | |
| | | 3969.40 | 12/16/2005 | 08:50 | 16.00 | 3953.40 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in('0401','0402','0408','0580','0582','0583','0584','0585','0586','0587','0588','0589','0600','0601','0602','0581') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:15 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0404 | O | 3968.30 | 05/06/2004 | 10:41 | 13.75 | 3954.55 | |
| | | 3968.30 | 08/11/2004 | 09:57 | 14.83 | 3953.47 | |
| | | 3968.30 | 10/28/2004 | 17:17 | 14.48 | 3953.82 | |
| | | 3968.30 | 04/20/2005 | 08:10 | 12.39 | 3955.91 | |
| | | 3968.30 | 09/30/2005 | 09:35 | 16.20 | 3952.10 | |
| | | 3968.30 | 11/03/2005 | 16:00 | 15.13 | 3953.17 | |
| 0680 | | 3969.80 | 09/30/2005 | 08:31 | 17.99 | 3951.81 | |
| 0681 | | 3970.67 | 09/30/2005 | 08:51 | 18.55 | 3952.12 | |
| 0682 | | 3970.18 | 09/30/2005 | 11:17 | 17.87 | 3952.31 | |
| 0683 | | 3970.73 | 09/30/2005 | 10:56 | 17.97 | 3952.76 | |
| 0684 | | 3970.22 | 09/30/2005 | 10:35 | 17.07 | 3953.15 | |
| 0685 | | 3968.76 | 09/30/2005 | 10:15 | 15.71 | 3953.05 | |
| 0686 | | 3968.85 | 09/30/2005 | 09:54 | 16.25 | 3952.60 | |
| | | 3968.85 | 10/26/2005 | 14:26 | 15.41 | 3953.44 | |
| | | 3968.85 | 12/15/2005 | 15:18 | 15.05 | 3953.80 | |
| 0687 | | 3969.09 | 09/30/2005 | 09:14 | 16.90 | 3952.19 | |
| | | 3969.09 | 10/26/2005 | 13:39 | 15.91 | 3953.18 | |
| | | 3969.09 | 12/15/2005 | 14:10 | 15.21 | 3953.88 | |
| 0688 | | 3968.66 | 08/10/2005 | 10:39 | 14.28 | 3954.38 | |
| | | 3968.66 | 10/20/2005 | 11:23 | 15.66 | 3953.00 | |
| | | 3968.66 | 11/09/2005 | 13:41 | 15.58 | 3953.08 | |
| | | 3968.66 | 12/07/2005 | 11:45 | 15.32 | 3953.34 | |
| 0689 | | 3968.66 | 08/10/2005 | 11:28 | 14.37 | 3954.29 | |
| | | 3968.66 | 10/20/2005 | 15:08 | 15.80 | 3952.86 | |
| | | 3968.66 | 11/09/2005 | 14:00 | 15.66 | 3953.00 | |
| | | 3968.66 | 12/07/2005 | 11:23 | 15.47 | 3953.19 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in('0680','0681','0682','0683','0684','0685','0686','0687','0688','0689','0404') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:21 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0405 | O | 3968.47 | 05/06/2004 | 15:30 | 13.92 | 3954.55 | |
| | | 3968.47 | 08/11/2004 | 17:52 | 15.09 | 3953.38 | |
| | | 3968.47 | 10/15/2004 | 12:51 | 14.70 | 3953.77 | |
| | | 3968.47 | 11/01/2004 | 16:20 | 14.65 | 3953.82 | |
| | | 3968.47 | 04/19/2005 | 16:55 | 12.11 | 3956.36 | |
| | | 3968.47 | 05/26/2005 | 10:26 | 7.10 | 3961.37 | |
| | | 3968.47 | 07/14/2005 | 14:46 | 12.77 | 3955.70 | |
| | | 3968.47 | 10/26/2005 | 11:06 | 14.45 | 3954.02 | |
| | | 3968.47 | 11/03/2005 | 15:21 | 14.37 | 3954.10 | |
| | | 3968.47 | 12/13/2005 | 14:00 | 14.47 | 3954.00 | |
| 0406 | O | 3969.91 | 05/06/2004 | 16:43 | 15.10 | 3954.81 | |
| | | 3969.91 | 08/11/2004 | 08:49 | 16.23 | 3953.68 | |
| | | 3969.91 | 11/02/2004 | 08:05 | 15.92 | 3953.99 | |
| | | 3969.91 | 04/19/2005 | 15:42 | 13.56 | 3956.35 | |
| | | 3969.91 | 07/14/2005 | 15:53 | 13.92 | 3955.99 | |
| | | 3969.91 | 11/03/2005 | 14:45 | 15.55 | 3954.36 | |
| 0488 | | 3968.48 | 08/19/2004 | 16:02 | 15.08 | 3953.40 | |
| | | 3968.48 | 10/15/2004 | 13:15 | 14.60 | 3953.88 | |
| | | 3968.48 | 05/26/2005 | 09:46 | 7.16 | 3961.32 | |
| | | 3968.48 | 10/11/2005 | 16:41 | 14.26 | 3954.22 | |
| | | 3968.48 | 10/26/2005 | 10:05 | 14.31 | 3954.17 | |
| | | 3968.48 | 11/09/2005 | 09:50 | 14.44 | 3954.04 | |
| | | 3968.48 | 12/08/2005 | 09:35 | 14.47 | 3954.01 | |
| | | 3968.48 | 12/14/2005 | 11:11 | 14.37 | 3954.11 | |
| 0493 | | 3967.89 | 08/19/2004 | 17:01 | 14.85 | 3953.09 | |
| | | 3967.89 | 10/15/2004 | 12:29 | 14.36 | 3953.58 | |
| | | 3967.89 | 05/26/2005 | 10:46 | 6.97 | 3960.97 | |
| | | 3967.89 | 10/11/2005 | 16:03 | 13.91 | 3954.03 | |
| | | 3967.89 | 11/09/2005 | 09:28 | 14.09 | 3953.80 | |
| | | 3967.89 | 12/08/2005 | 10:00 | 14.00 | 3953.89 | |
| SMI-PW 01 | O | 3968.45 | 10/13/2005 | 11:25 | 14.25 | 3954.20 | |
| | | 3968.45 | 11/09/2005 | 08:43 | 14.27 | 3954.18 | |
| | | 3968.45 | 12/08/2005 | 10:30 | 14.24 | 3954.21 | |
| SMI-PZ1D2 | O | 3968.26 | 10/13/2005 | 10:40 | 14.87 | 3953.39 | |
| | | 3968.26 | 11/09/2005 | 08:20 | 14.93 | 3953.33 | |
| | | 3968.26 | 12/08/2005 | 08:58 | 14.87 | 3953.39 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:21 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| SMI-PZ1M | O | 3968.29 | 10/13/2005 | 11:07 | 14.24 | 3954.05 | |
| | | 3968.29 | 11/09/2005 | 08:02 | 14.16 | 3954.13 | |
| | | 3968.29 | 12/08/2005 | 08:38 | 14.16 | 3954.13 | |
| SMI-PZ1S | O | 3969.13 | 10/13/2005 | 09:39 | 14.95 | 3954.18 | |
| | | 3969.13 | 11/09/2005 | 07:43 | 14.98 | 3954.15 | |
| | | 3969.13 | 12/08/2005 | 08:20 | 15.00 | 3954.13 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in ('0405','0406','0488','0493','SMI-PW 01','SMI-PZ1S','SMI-PZ1M','SMI-PZ1D2') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:

# Appendix D

# Extraction and Remediation Well Ground Water Elevation Data

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0470 | | 3968.49 | 04/05/2004 | | 15.71 | 3952.78 | |
| | | 3968.49 | 06/03/2004 | | 15.09 | 3953.40 | |
| | | 3968.49 | 07/07/2004 | | 19.05 | 3949.44 | |
| | | 3968.49 | 08/03/2004 | 15:45 | 19.32 | 3949.17 | |
| | | 3968.49 | 09/02/2004 | 11:05 | 20.12 | 3948.37 | |
| | | 3968.49 | 11/18/2004 | 11:51 | 19.28 | 3949.21 | |
| | | 3968.49 | 12/16/2004 | 08:39 | 19.64 | 3948.85 | |
| | | 3968.49 | 01/25/2005 | 15:30 | 16.13 | 3952.36 | |
| | | 3968.49 | 02/23/2005 | 08:45 | 17.20 | 3951.29 | |
| | | 3968.49 | 03/15/2005 | 08:05 | 18.20 | 3950.29 | |
| | | 3964.12 | 04/28/2005 | 11:15 | 8.85 | 3955.28 | |
| | | 3964.12 | 05/25/2005 | 10:50 | 4.46 | 3959.67 | |
| | | 3964.12 | 06/23/2005 | 10:29 | 7.40 | 3956.73 | |
| | | 3964.12 | 07/27/2005 | 09:18 | 11.85 | 3952.28 | |
| | | 3964.12 | 08/25/2005 | 09:10 | 13.10 | 3951.03 | |
| | | 3964.12 | 09/29/2005 | 09:14 | 12.98 | 3951.15 | |
| | | 3964.12 | 10/13/2005 | 13:30 | 12.90 | 3951.23 | |
| | | 3964.12 | 11/10/2005 | 08:55 | 13.94 | 3950.18 | |
| | | 3964.12 | 12/05/2005 | 14:30 | 14.41 | 3949.71 | |
| 0471 | | 3968.83 | 04/05/2004 | | 15.85 | 3952.98 | |
| | | 3968.83 | 06/03/2004 | | 15.45 | 3953.38 | |
| | | 3968.83 | 07/07/2004 | | 19.10 | 3949.73 | |
| | | 3968.83 | 08/03/2004 | 16:12 | 19.45 | 3949.38 | |
| | | 3968.83 | 09/02/2004 | 11:24 | 20.86 | 3947.97 | |
| | | 3968.83 | 11/18/2004 | 12:05 | 19.69 | 3949.14 | |
| | | 3968.83 | 12/16/2004 | 08:52 | 20.31 | 3948.52 | |
| | | 3968.83 | 01/25/2005 | 16:08 | 16.25 | 3952.58 | |
| | | 3968.83 | 02/23/2005 | 09:02 | 16.89 | 3951.94 | |
| | | 3968.83 | 03/15/2005 | 08:22 | 18.34 | 3950.49 | |
| | | 3964.37 | 04/28/2005 | 11:00 | 10.08 | 3954.29 | |
| | | 3964.37 | 05/25/2005 | 11:00 | 4.70 | 3959.67 | |
| | | 3964.37 | 06/23/2005 | 10:43 | 7.69 | 3956.68 | |
| | | 3964.37 | 07/27/2005 | 09:31 | 12.37 | 3952.00 | |
| | | 3964.37 | 08/25/2005 | 09:22 | 13.45 | 3950.92 | |
| | | 3964.37 | 09/29/2005 | 09:24 | 13.33 | 3951.04 | |
| | | 3964.37 | 10/13/2005 | 13:44 | 13.27 | 3951.10 | |
| | | 3964.37 | 11/10/2005 | 09:15 | 13.92 | 3950.45 | |
| | | 3964.37 | 12/05/2005 | 14:45 | 14.42 | 3949.95 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0472 | | 3968.81 | 04/05/2004 | | 15.80 | 3953.01 | |
| | | 3968.81 | 06/03/2004 | | 15.23 | 3953.58 | |
| | | 3968.81 | 07/07/2004 | | 18.75 | 3950.06 | |
| | | 3968.81 | 08/03/2004 | 16:27 | 20.88 | 3947.93 | |
| | | 3968.81 | 09/02/2004 | 11:37 | 20.20 | 3948.61 | |
| | | 3968.81 | 11/18/2004 | 12:15 | 19.37 | 3949.44 | |
| | | 3968.81 | 12/16/2004 | 09:07 | 19.42 | 3949.39 | |
| | | 3968.81 | 01/25/2005 | 16:36 | 16.26 | 3952.55 | |
| | | 3968.81 | 02/23/2005 | 09:16 | 17.23 | 3951.58 | |
| | | 3968.81 | 03/15/2005 | 08:37 | 18.58 | 3950.23 | |
| | | 3964.40 | 04/28/2005 | 10:48 | 9.95 | 3954.46 | |
| | | 3964.40 | 05/25/2005 | 11:14 | 4.49 | 3959.92 | |
| | | 3964.40 | 06/23/2005 | 10:56 | 7.49 | 3956.92 | |
| | | 3964.40 | 07/27/2005 | 09:46 | 12.30 | 3952.11 | |
| | | 3964.40 | 08/25/2005 | 09:32 | 13.16 | 3951.25 | |
| | | 3964.40 | 09/29/2005 | 09:37 | 12.96 | 3951.45 | |
| | | 3964.40 | 10/13/2005 | 13:53 | 12.91 | 3951.50 | |
| | | 3964.40 | 11/10/2005 | 09:26 | 13.75 | 3950.65 | |
| | | 3964.40 | 12/05/2005 | 14:50 | 14.03 | 3950.37 | |
| 0473 | | 3969.05 | 04/05/2004 | | 15.91 | 3953.14 | |
| | | 3969.05 | 06/03/2004 | | 15.52 | 3953.53 | |
| | | 3969.05 | 07/07/2004 | | 20.65 | 3948.40 | |
| | | 3969.05 | 08/03/2004 | 16:42 | 21.78 | 3947.27 | |
| | | 3969.05 | 09/02/2004 | 11:59 | 20.35 | 3948.70 | |
| | | 3969.05 | 11/18/2004 | 12:32 | 20.45 | 3948.60 | |
| | | 3969.05 | 12/16/2004 | 09:23 | 20.86 | 3948.19 | |
| | | 3969.05 | 01/25/2005 | 16:55 | 16.21 | 3952.84 | |
| | | 3969.05 | 02/23/2005 | 09:32 | 17.59 | 3951.46 | |
| | | 3969.05 | 03/15/2005 | 08:54 | 20.34 | 3948.71 | |
| | | 3964.66 | 04/28/2005 | 10:33 | 10.56 | 3954.11 | |
| | | 3964.66 | 05/25/2005 | 11:23 | 5.12 | 3959.55 | |
| | | 3964.66 | 06/23/2005 | 11:11 | 8.18 | 3956.49 | |
| | | 3964.66 | 07/27/2005 | 09:56 | 13.07 | 3951.60 | |
| | | 3964.66 | 08/25/2005 | 09:41 | 13.57 | 3951.10 | |
| | | 3964.66 | 09/29/2005 | 09:49 | 13.40 | 3951.27 | |
| | | 3964.66 | 10/13/2005 | 14:00 | 13.40 | 3951.27 | |
| | | 3964.66 | 11/10/2005 | 09:37 | 14.21 | 3950.45 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0473 | | 3964.66 | 12/05/2005 | 15:00 | 14.76 | 3949.90 | |
| 0474 | | 3969.22 | 04/05/2004 | | 16.21 | 3953.01 | |
| | | 3969.22 | 06/03/2004 | | 16.08 | 3953.14 | |
| | | 3969.22 | 07/07/2004 | | 19.60 | 3949.62 | |
| | | 3969.22 | 08/03/2004 | 16:58 | 19.41 | 3949.81 | |
| | | 3969.22 | 09/02/2004 | 14:32 | 18.80 | 3950.42 | |
| | | 3969.22 | 11/18/2004 | 12:44 | 18.26 | 3950.96 | |
| | | 3969.22 | 12/16/2004 | 09:35 | 18.49 | 3950.73 | |
| | | 3969.22 | 01/25/2005 | 17:20 | 16.46 | 3952.76 | |
| | | 3969.22 | 02/23/2005 | 09:49 | 17.22 | 3952.00 | |
| | | 3969.22 | 03/15/2005 | 09:11 | 17.89 | 3951.33 | |
| | | 3964.99 | 04/28/2005 | 10:18 | 10.23 | 3954.77 | |
| | | 3964.99 | 05/25/2005 | 11:34 | 4.86 | 3960.14 | |
| | | 3964.99 | 06/23/2005 | 11:20 | 7.82 | 3957.18 | |
| | | 3964.99 | 07/27/2005 | 10:30 | 12.25 | 3952.75 | |
| | | 3964.99 | 08/25/2005 | 09:56 | 12.94 | 3952.06 | |
| | | 3964.99 | 09/29/2005 | 10:01 | 12.85 | 3952.15 | |
| | | 3964.99 | 10/13/2005 | 14:15 | 12.87 | 3952.13 | |
| | | 3964.99 | 11/10/2005 | 09:47 | 13.39 | 3951.60 | |
| | | 3964.99 | 12/05/2005 | 15:05 | 13.62 | 3951.37 | |
| 0475 | | 3969.46 | 04/05/2004 | | 16.26 | 3953.20 | |
| | | 3969.46 | 06/03/2004 | | 16.01 | 3953.45 | |
| | | 3969.46 | 07/07/2004 | | 19.80 | 3949.66 | |
| | | 3969.46 | 08/03/2004 | 17:11 | 20.31 | 3949.15 | |
| | | 3969.46 | 09/02/2004 | 12:15 | 20.91 | 3948.55 | |
| | | 3969.46 | 11/18/2004 | 12:53 | 19.46 | 3950.00 | |
| | | 3969.46 | 12/16/2004 | 09:50 | 19.75 | 3949.71 | |
| | | 3969.46 | 01/26/2005 | 08:31 | 16.52 | 3952.94 | |
| | | 3969.46 | 02/23/2005 | 10:02 | 17.55 | 3951.91 | |
| | | 3969.46 | 03/15/2005 | 09:21 | 19.34 | 3950.12 | |
| | | 3964.97 | 04/28/2005 | 10:04 | 10.78 | 3954.19 | |
| | | 3964.97 | 05/25/2005 | 11:48 | 5.19 | 3959.78 | |
| | | 3964.97 | 06/23/2005 | 11:46 | 8.26 | 3956.71 | |
| | | 3964.97 | 07/27/2005 | 10:40 | 13.15 | 3951.82 | |
| | | 3964.97 | 08/25/2005 | 10:08 | 13.96 | 3951.01 | |
| | | 3964.97 | 09/29/2005 | 10:11 | 13.92 | 3951.05 | |
| | | 3964.97 | 10/13/2005 | 14:22 | 13.88 | 3951.09 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0475 | | 3964.97 | 11/10/2005 | 09:58 | 14.69 | 3950.28 | |
| | | 3964.97 | 12/05/2005 | 15:10 | 15.11 | 3949.86 | |
| 0476 | | 3969.48 | 04/05/2004 | | 16.35 | 3953.13 | |
| | | 3969.48 | 06/03/2004 | | 16.05 | 3953.43 | |
| | | 3969.48 | 07/07/2004 | | 20.10 | 3949.38 | |
| | | 3969.48 | 08/03/2004 | 17:25 | 20.70 | 3948.78 | |
| | | 3969.48 | 09/02/2004 | 12:34 | 20.42 | 3949.06 | |
| | | 3969.48 | 11/18/2004 | 13:04 | 20.74 | 3948.74 | |
| | | 3969.48 | 12/16/2004 | 10:05 | 20.22 | 3949.26 | |
| | | 3969.48 | 01/26/2005 | 09:06 | 16.56 | 3952.92 | |
| | | 3969.48 | 02/23/2005 | 10:19 | 17.99 | 3951.49 | |
| | | 3969.48 | 03/15/2005 | 09:38 | 18.38 | 3951.10 | |
| | | 3965.24 | 04/27/2005 | 16:20 | 11.23 | 3954.02 | |
| | | 3965.24 | 05/25/2005 | 11:58 | 5.65 | 3959.60 | |
| | | 3965.24 | 06/23/2005 | 11:56 | 8.87 | 3956.38 | |
| | | 3965.24 | 07/27/2005 | 10:56 | 14.11 | 3951.14 | |
| | | 3965.24 | 08/25/2005 | 10:28 | 13.58 | 3951.67 | |
| | | 3965.24 | 09/29/2005 | 10:44 | 14.56 | 3950.69 | |
| | | 3965.24 | 10/13/2005 | 14:31 | 13.93 | 3951.32 | |
| | | 3965.24 | 11/10/2005 | 10:17 | 15.73 | 3949.51 | |
| | | 3965.24 | 12/05/2005 | 15:15 | 15.63 | 3949.61 | |
| 0477 | | 3969.40 | 04/05/2004 | | 16.18 | 3953.22 | |
| | | 3969.40 | 06/03/2004 | | 15.78 | 3953.62 | |
| | | 3969.40 | 07/07/2004 | | 20.18 | 3949.22 | |
| | | 3969.40 | 08/04/2004 | 10:25 | 21.30 | 3948.10 | |
| | | 3969.40 | 09/02/2004 | 14:26 | 19.39 | 3950.01 | |
| | | 3969.40 | 11/18/2004 | 13:19 | 18.25 | 3951.15 | |
| | | 3969.40 | 12/16/2004 | 10:17 | 18.23 | 3951.17 | |
| | | 3969.40 | 01/26/2005 | 09:38 | 16.30 | 3953.10 | |
| | | 3969.40 | 02/23/2005 | 10:31 | 17.42 | 3951.98 | |
| | | 3969.40 | 03/15/2005 | 09:54 | 18.82 | 3950.58 | |
| | | 3965.08 | 05/25/2005 | 12:10 | 5.25 | 3959.84 | |
| | | 3965.08 | 06/23/2005 | 12:06 | 8.37 | 3956.72 | |
| | | 3965.08 | 07/27/2005 | 11:10 | 12.77 | 3952.32 | |
| | | 3965.08 | 08/25/2005 | 10:38 | 13.40 | 3951.69 | |
| | | 3965.08 | 09/29/2005 | 10:54 | 13.65 | 3951.44 | |
| | | 3965.08 | 10/13/2005 | 14:40 | 13.58 | 3951.51 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT | | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| | | | DATE | TIME | | | |
| 0477 | | 3965.08 | 11/10/2005 | 10:25 | 14.09 | 3950.99 | |
| | | 3965.08 | 12/05/2005 | 15:20 | 14.35 | 3950.73 | |
| 0478 | | 3969.49 | 04/05/2004 | | 16.27 | 3953.22 | |
| | | 3969.49 | 06/03/2004 | | 15.92 | 3953.57 | |
| | | 3969.49 | 07/07/2004 | | 17.40 | 3952.09 | |
| | | 3969.49 | 08/03/2004 | 17:41 | 20.65 | 3948.84 | |
| | | 3969.49 | 09/02/2004 | 14:28 | 19.40 | 3950.09 | |
| | | 3969.49 | 11/18/2004 | 13:33 | 19.54 | 3949.95 | |
| | | 3969.49 | 12/16/2004 | 10:32 | 19.42 | 3950.07 | |
| | | 3969.49 | 01/26/2005 | 10:11 | 16.29 | 3953.20 | |
| | | 3969.49 | 02/23/2005 | 10:49 | 17.64 | 3951.85 | |
| | | 3969.49 | 03/15/2005 | 10:06 | 18.96 | 3950.53 | |
| | | 3964.91 | 04/27/2005 | 15:35 | 12.93 | 3951.99 | |
| | | 3964.91 | 05/25/2005 | 12:20 | 6.31 | 3958.61 | |
| | | 3964.91 | 06/23/2005 | 12:16 | 9.77 | 3955.15 | |
| | | 3964.91 | 07/27/2005 | 11:21 | 17.66 | 3947.26 | |
| | | 3964.91 | 08/25/2005 | 10:53 | 14.72 | 3950.20 | |
| | | 3964.91 | 09/29/2005 | 11:04 | 15.86 | 3949.06 | |
| | | 3964.91 | 10/13/2005 | 14:48 | 16.54 | 3948.38 | |
| | | 3964.91 | 11/10/2005 | 10:35 | 15.39 | 3949.52 | |
| | | 3964.91 | 12/05/2005 | 15:35 | 15.24 | 3949.67 | |
| 0479 | | 3969.27 | 04/05/2004 | | 15.89 | 3953.38 | |
| | | 3969.27 | 06/03/2004 | | 15.57 | 3953.70 | |
| | | 3969.27 | 07/07/2004 | | 20.57 | 3948.70 | |
| | | 3969.27 | 08/03/2004 | 17:55 | 22.35 | 3946.92 | |
| | | 3969.27 | 09/02/2004 | 14:29 | 20.29 | 3948.98 | |
| | | 3969.27 | 11/18/2004 | 13:42 | 19.04 | 3950.23 | |
| | | 3969.27 | 12/16/2004 | 10:47 | 19.09 | 3950.18 | |
| | | 3969.27 | 01/26/2005 | 10:46 | 15.96 | 3953.31 | |
| | | 3969.27 | 02/23/2005 | 11:00 | 17.03 | 3952.24 | |
| | | 3969.27 | 03/15/2005 | 10:26 | 18.72 | 3950.55 | |
| | | 3964.67 | 04/27/2005 | 15:19 | 9.89 | 3954.79 | |
| | | 3964.67 | 05/25/2005 | 12:33 | 4.73 | 3959.95 | |
| | | 3964.67 | 06/23/2005 | 12:26 | 7.84 | 3956.84 | |
| | | 3964.67 | 07/27/2005 | 11:30 | 11.92 | 3952.76 | |
| | | 3964.67 | 08/25/2005 | 11:06 | 12.62 | 3952.06 | |
| | | 3964.67 | 09/29/2005 | 11:17 | 13.05 | 3951.63 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:45 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0479 | | 3964.67 | 10/13/2005 | 14:56 | 13.00 | 3951.68 | |
| | | 3964.67 | 11/10/2005 | 10:45 | 13.36 | 3951.31 | |
| | | 3964.67 | 12/05/2005 | 15:40 | 13.56 | 3951.11 | |
| SMI-PW 02 | O | 3967.48 | 04/28/2005 | 08:41 | 13.32 | 3954.16 | |
| | | 3967.48 | 05/25/2005 | 09:20 | 9.68 | 3957.80 | |
| | | 3967.48 | 06/23/2005 | 08:18 | 11.85 | 3955.63 | |
| | | 3967.48 | 07/27/2005 | | 14.19 | 3953.29 | |
| | | 3967.48 | 08/25/2005 | 07:18 | 16.38 | 3951.10 | |
| | | 3967.48 | 11/11/2005 | 08:00 | 15.05 | 3952.43 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in('0470','0471','0472','0473','0474','0475','0476','0477','0478','0479','SMI-PW 02') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES: O ON-SITE

WATER LEVEL FLAGS:

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:58 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0570 | | 3967.52 | 08/18/2004 | 08:29 | 15.36 | 3952.16 | |
| | | 3965.22 | 09/03/2004 | 10:05 | 25.63 | 3939.59 | |
| | | 3965.22 | 09/14/2004 | 12:01 | 24.66 | 3940.56 | |
| | | 3965.22 | 09/22/2004 | 14:23 | 25.55 | 3939.67 | |
| | | 3965.22 | 10/05/2004 | 14:20 | 26.92 | 3938.30 | |
| 0571 | | 3967.01 | 08/17/2004 | 14:53 | 14.97 | 3952.04 | |
| | | 3964.89 | 09/03/2004 | 11:02 | 27.15 | 3937.74 | |
| | | 3964.89 | 09/13/2004 | 14:58 | 35.18 | 3929.71 | |
| | | 3964.89 | 10/05/2004 | 14:30 | 34.18 | 3930.71 | |
| 0572 | | 3967.01 | 08/17/2004 | 17:35 | 15.16 | 3951.85 | |
| | | 3965.14 | 09/03/2004 | 11:47 | 26.77 | 3938.37 | |
| | | 3965.14 | 09/14/2004 | 12:15 | 26.81 | 3938.33 | |
| | | 3965.14 | 09/22/2004 | 14:37 | 23.92 | 3941.22 | |
| | | 3965.14 | 10/05/2004 | 14:43 | 25.47 | 3939.67 | |
| | | 3965.14 | 04/26/2005 | 15:33 | 1.94 | 3963.20 | |
| 0573 | | 3967.70 | 08/17/2004 | 16:24 | 15.15 | 3952.55 | |
| | | 3965.15 | 09/03/2004 | 12:20 | 33.90 | 3931.25 | |
| | | 3965.15 | 09/13/2004 | 15:20 | 36.87 | 3928.28 | |
| | | 3965.15 | 10/05/2004 | 14:50 | 36.75 | 3928.40 | |
| 0574 | | 3967.30 | 08/18/2004 | 11:41 | 14.76 | 3952.54 | |
| | | 3965.12 | 09/03/2004 | 12:39 | 26.90 | 3938.22 | |
| | | 3965.12 | 09/14/2004 | 12:33 | 21.19 | 3943.93 | |
| | | 3965.12 | 09/22/2004 | 14:49 | 26.52 | 3938.60 | |
| | | 3965.12 | 10/05/2004 | 15:13 | 26.75 | 3938.37 | |
| 0575 | | 3967.30 | 08/18/2004 | 14:32 | 15.10 | 3952.20 | |
| | | 3965.01 | 09/03/2004 | 12:32 | 30.90 | 3934.11 | |
| | | 3965.01 | 09/13/2004 | 15:41 | 36.81 | 3928.20 | |
| | | 3965.01 | 10/05/2004 | 15:22 | 31.39 | 3933.62 | |
| 0576 | | 3967.17 | 08/06/2004 | 08:06 | 14.28 | 3952.89 | |
| | | 3965.15 | 09/03/2004 | 12:48 | 22.31 | 3942.84 | |
| | | 3965.15 | 09/14/2004 | 12:53 | 20.36 | 3944.79 | |
| | | 3965.15 | 09/22/2004 | 15:10 | 22.56 | 3942.59 | |
| | | 3965.15 | 10/05/2004 | 15:28 | 24.97 | 3940.18 | |
| 0577 | | 3967.59 | 08/05/2004 | 16:34 | 14.50 | 3953.09 | |
| | | 3965.10 | 09/03/2004 | 12:54 | 31.59 | 3933.51 | |
| | | 3965.10 | 10/05/2004 | 15:38 | 36.65 | 3928.45 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:58 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0578 | | 3967.80 | 08/05/2004 | 15:14 | 14.65 | 3953.15 | |
| | | 3965.08 | 09/03/2004 | 13:00 | 25.10 | 3939.98 | |
| | | 3965.08 | 09/14/2004 | 13:07 | 20.64 | 3944.44 | |
| | | 3965.08 | 09/22/2004 | 15:30 | 26.81 | 3938.27 | |
| | | 3965.08 | 10/05/2004 | 15:45 | 27.85 | 3937.23 | |
| 0579 | | 3967.21 | 08/05/2004 | 09:25 | 14.12 | 3953.09 | |
| | | 3965.11 | 09/03/2004 | 13:11 | 22.00 | 3943.11 | |
| | | 3965.11 | 09/13/2004 | 16:03 | 26.91 | 3938.20 | |
| | | 3965.11 | 10/05/2004 | 15:53 | 24.55 | 3940.56 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in('0570','0571','0572','0573','0574','0575','0576','0577','0578','0579') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES:

WATER LEVEL FLAGS:

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:12 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0670 | | 3969.54 | 08/09/2005 | 14:35 | 15.22 | 3954.32 | |
| | | 3969.54 | 09/29/2005 | 15:07 | 16.93 | 3952.61 | |
| | | 3969.54 | 10/20/2005 | 08:37 | 16.16 | 3953.38 | |
| | | 3969.54 | 11/09/2005 | 14:27 | 16.10 | 3953.44 | |
| | | 3969.54 | 12/06/2005 | 08:20 | 16.22 | 3953.32 | |
| 0671 | | 3969.50 | 08/09/2005 | 16:04 | 15.31 | 3954.19 | |
| | | 3969.50 | 09/29/2005 | 15:16 | 18.35 | 3951.15 | |
| | | 3969.50 | 10/20/2005 | 08:50 | 16.60 | 3952.90 | |
| | | 3969.50 | 11/09/2005 | 14:34 | 16.44 | 3953.06 | |
| | | 3969.50 | 12/06/2005 | 08:32 | 16.55 | 3952.95 | |
| 0672 | | 3969.57 | 08/09/2005 | 17:10 | 15.22 | 3954.35 | |
| | | 3969.57 | 09/29/2005 | 15:27 | 18.88 | 3950.69 | |
| | | 3969.57 | 10/20/2005 | 09:10 | 17.02 | 3952.55 | |
| | | 3969.57 | 11/09/2005 | 14:47 | 16.83 | 3952.74 | |
| | | 3969.57 | 12/06/2005 | 08:55 | 16.93 | 3952.64 | |
| 0673 | | 3969.44 | 08/09/2005 | 18:10 | 15.10 | 3954.34 | |
| | | 3969.44 | 09/29/2005 | 15:41 | 18.95 | 3950.49 | |
| | | 3969.44 | 10/20/2005 | 09:28 | 17.00 | 3952.44 | |
| | | 3969.44 | 11/09/2005 | 14:52 | 16.88 | 3952.56 | |
| | | 3969.44 | 12/06/2005 | 09:02 | 16.97 | 3952.47 | |
| 0674 | | 3969.49 | 08/10/2005 | 07:26 | 14.93 | 3954.56 | |
| | | 3969.49 | 09/29/2005 | 15:50 | 18.25 | 3951.24 | |
| | | 3969.49 | 10/20/2005 | 09:50 | 16.92 | 3952.57 | |
| | | 3969.49 | 11/09/2005 | 15:03 | 16.82 | 3952.67 | |
| | | 3969.49 | 12/06/2005 | 09:10 | 16.86 | 3952.63 | |
| 0675 | | 3969.64 | 08/10/2005 | 08:37 | 13.94 | 3955.70 | |
| | | 3969.64 | 09/29/2005 | 16:02 | 18.02 | 3951.62 | |
| | | 3969.64 | 10/20/2005 | 10:03 | 16.85 | 3952.79 | |
| | | 3969.64 | 11/09/2005 | 15:11 | 16.78 | 3952.86 | |
| | | 3969.64 | 12/06/2005 | 09:20 | 16.80 | 3952.84 | |
| 0676 | | 3969.69 | 08/10/2005 | 09:35 | 14.46 | 3955.23 | |
| | | 3969.69 | 09/29/2005 | 16:22 | 17.42 | 3952.27 | |
| | | 3969.69 | 10/20/2005 | 10:22 | 16.58 | 3953.11 | |
| | | 3969.69 | 11/09/2005 | 15:23 | 16.54 | 3953.15 | |
| | | 3969.69 | 12/06/2005 | 09:49 | 16.57 | 3953.12 | |
| 0677 | | 3969.61 | 08/10/2005 | 16:55 | 14.67 | 3954.94 | |

STATIC WATER LEVELS (USEE700) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:12 pm

| LOCATION CODE | FLOW CODE | TOP OF CASING ELEVATION (FT) | MEASUREMENT DATE | MEASUREMENT TIME | DEPTH FROM TOP OF CASING (FT) | WATER ELEVATION (FT) | WATER LEVEL FLAG |
|---|---|---|---|---|---|---|---|
| 0677 | | 3969.61 | 09/29/2005 | 16:34 | 17.34 | 3952.27 | |
| | | 3969.61 | 10/20/2005 | 10:32 | 16.57 | 3953.04 | |
| | | 3969.61 | 11/09/2005 | 15:31 | 16.51 | 3953.10 | |
| | | 3969.61 | 12/06/2005 | 10:00 | 16.54 | 3953.07 | |
| 0678 | | 3969.65 | 08/10/2005 | 15:33 | 13.92 | 3955.73 | |
| | | 3969.65 | 09/29/2005 | 16:48 | 17.15 | 3952.50 | |
| | | 3969.65 | 10/20/2005 | 10:45 | 16.45 | 3953.20 | |
| | | 3969.65 | 11/09/2005 | 15:41 | 16.39 | 3953.26 | |
| | | 3969.65 | 12/06/2005 | 10:11 | 16.51 | 3953.14 | |
| 0679 | | 3969.59 | 08/10/2005 | 14:19 | 14.61 | 3954.98 | |
| | | 3969.59 | 09/29/2005 | 16:57 | 17.06 | 3952.53 | |
| | | 3969.59 | 10/20/2005 | 10:56 | 16.38 | 3953.21 | |
| | | 3969.59 | 11/09/2005 | 15:52 | 16.35 | 3953.24 | |
| | | 3969.59 | 12/06/2005 | 10:15 | 16.44 | 3953.15 | |

RECORDS: SELECTED FROM USEE700 WHERE site_code='MOA01' AND location_code in('0670','0671','0672','0673','0674','0675','0676','0677','0678','0679') AND LOG_DATE between #1/1/2004# and #12/31/2005#

FLOW CODES:

WATER LEVEL FLAGS:

# Appendix E

# Extraction and Remediation Well Chemical Analytical Data

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 769 | | # | - | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 733 | | # | - | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 658 | | # | - | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 646 | | # | - | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 720 | | # | - | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 1076 | | # | - | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 892 | | # | - | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 802 | F | # | - | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 316 | F | # | - | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 360 | | # | - | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 350 | | # | - | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 618 | | # | - | - |
| | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 900 | | # | - | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 662 | | # | - | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 632 | | # | - | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 662 | | # | - | - |
| | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 760 | | # | - | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 710 | | # | - | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 628 | | # | - | - |
| | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 700 | | # | - | - |
| | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 726 | | # | - | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 1006 | | # | - | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 944 | | # | - | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 758 | F | # | - | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 346 | F | # | - | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 336 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 400 | | # | - | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 690 | | # | - | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 724 | | # | - | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 702 | | # | - | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 680 | | # | - | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 698 | | # | - | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 765 | | # | - | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 723 | | # | - | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 636 | | # | - | - |
| | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 716 | | # | - | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 780 | | # | - | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 874 | | # | - | - |
| | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 772 | F | # | - | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 330 | F | # | - | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 220 | | # | - | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 390 | | # | - | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 688 | | # | - | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 796 | | # | - | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 668 | | # | - | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 644 | | # | - | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 602 | | # | - | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 801 | | # | - | - |
| | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 750 | | # | - | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 604 | | # | - | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 744 | | # | - | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 810 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 980 | | # | - | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 770 | | # | - | - |
| | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 708 | F | # | - | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 336 | F | # | - | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 280 | | # | - | - |
| | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 430 | | # | - | - |
| | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 756 | | # | - | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 880 | | # | - | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 614 | | # | - | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 534 | | # | - | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 544 | | # | - | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 824 | | # | - | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 823 | | # | - | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 642 | | # | - | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 812 | | # | - | - |
| | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 774 | | # | - | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 860 | | # | - | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 712 | | # | - | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 698 | F | # | - | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 422 | F | # | - | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 276 | | # | - | - |
| | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 450 | | # | - | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 762 | | # | - | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 942 | | # | - | - |
| | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 664 | | # | - | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 616 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 434 | | # | - | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 888 | | # | - | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 828 | | # | - | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 710 | | # | - | - |
| | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 726 | | # | - | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 662 | | # | - | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 960 | | # | - | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 682 | | # | - | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 610 | F | # | - | - |
| | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 442 | F | # | - | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 316 | | # | - | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 480 | | # | - | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 684 | | # | - | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 616 | | # | - | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 590 | | # | - | - |
| | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 568 | | # | - | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 572 | | # | - | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 950 | | # | - | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 848 | | # | - | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 686 | | # | - | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 664 | | # | - | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 614 | | # | - | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 850 | | # | - | - |
| | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 570 | | # | - | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 614 | F | # | - | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 396 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 312 | | # | - | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 510 | | # | - | - |
| | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 608 | | # | - | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 614 | | # | - | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 520 | | # | - | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 534 | | # | - | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 542 | | # | - | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 - 19.70 | 900 | | # | - | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 904 | | # | - | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 760 | | # | - | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 680 | | # | - | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 620 | | # | - | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 660 | | # | - | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 602 | | # | - | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 610 | F | # | - | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 346 | F | # | - | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 378 | | # | - | - |
| | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 560 | | # | - | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 580 | | # | - | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 814 | | # | - | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 596 | | # | - | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 552 | | # | - | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 544 | | # | - | - |
| | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 910 | | # | - | - |
| | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 853 | | # | - | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 798 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 746 | | # | - | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 640 | | # | - | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 480 | | # | - | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 640 | | # | - | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 604 | F | # | - | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 466 | F | # | - | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 378 | | # | - | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 300 | | # | - | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 596 | | # | - | - |
| | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 620 | | # | - | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 662 | | # | - | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 596 | | # | - | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 566 | | # | - | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 871 | | # | - | - |
| | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 854 | | # | - | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 800 | | # | - | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 680 | | # | - | - |
| | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 416 | | # | - | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 540 | | # | - | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 532 | F | # | - | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 344 | F | # | - | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 308 | | # | - | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 340 | | # | - | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 476 | | # | - | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 514 | | # | - | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 610 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 592 | | # | - | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 502 | | # | - | - |
| | mg/L | SMI-PW02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 626 | F | # | - | - |
| | mg/L | SMI-PW02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 550 | | # | - | - |
| | mg/L | SMI-PW02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 580 | | # | - | - |
| | mg/L | SMI-PW02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 644 | | # | - | - |
| | mg/L | SMI-PW02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 700 | F | # | - | - |
| | mg/L | SMI-PW02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 640 | F | # | - | - |
| Ammonia Total as N | mg/L | 0470 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 710 | F | # | 50 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 1000 | F | # | 50 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 1100 | F | # | 50 | - |
| | mg/L | 0470 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 960 | | # | 50 | - |
| | mg/L | 0470 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 1000 | | # | 50 | - |
| | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 990 | J | # | 50 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 840 | | # | 50 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0002 | 10.30 - 19.70 | 820 | | # | 50 | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 650 | | # | 50 | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 700 | | # | 50 | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 700 | | # | 50 | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 860 | | # | 50 | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 880 | | # | 50 | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 850 | F | # | 20 | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 150 | F | # | 10 | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 40 | | # | 5 | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 61 | | # | 2 | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 340 | | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 430 | | # | 20 | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 410 | | # | 20 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 390 | | # | 50 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 - 19.70 | 400 | | # | 10 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 400 | | # | 10 | - |
| | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 450 | | # | 20 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 500 | F | # | 50 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 1000 | F | # | 50 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 1000 | F | # | 50 | - |
| | mg/L | 0471 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 890 | | # | 50 | - |
| | mg/L | 0471 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 1100 | | # | 50 | - |
| | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 1100 | J | # | 50 | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 910 | | # | 50 | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 740 | | # | 50 | - |
| | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 800 | | # | 50 | - |
| | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 910 | | # | 50 | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 610 | | # | 50 | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 850 | | # | 50 | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 990 | F | # | 20 | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 190 | F | # | 50 | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 70 | | # | 5 | - |
| | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 170 | | # | 50 | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 660 | | # | 50 | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 630 | | # | 20 | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 560 | | # | 20 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 530 | | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 490 | | # | 10 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 540 | | # | 20 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 1000 | F | # | 50 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 1000 | F | # | 50 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 670 | F | # | 50 | - |
| | mg/L | 0472 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 780 | | # | 50 | - |
| | mg/L | 0472 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 940 | | # | 50 | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 990 | J | # | 50 | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 880 | | # | 50 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 700 | | # | 50 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0002 | 10.30 - 19.70 | 740 | | # | 50 | - |
| | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 860 | | # | 50 | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 840 | | # | 50 | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 420 | | # | 50 | - |
| | mg/L | 0472 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 710 | | # | 50 | - |
| | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 820 | F | # | 20 | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 140 | F | # | 10 | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 40 | | # | 5 | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 220 | | # | 50 | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 680 | | # | 50 | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 640 | | # | 20 | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 380 | | # | 20 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 360 | | # | 50 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 350 | | # | 10 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 410 | | # | 20 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 620 | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0473 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0473 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 770 | | | # | 50 | - |
| | mg/L | 0473 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 810 | | | # | 50 | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 920 | | J | # | 50 | - |
| | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 900 | | | # | 50 | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 660 | | | # | 50 | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 830 | | | # | 50 | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 700 | | | # | 50 | - |
| | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 600 | | | # | 50 | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 580 | | | # | 50 | - |
| | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 650 | | F | # | 20 | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 170 | | F | # | 50 | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 60 | | | # | 5 | - |
| | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 290 | | | # | 50 | - |
| | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 510 | | | # | 50 | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 370 | | | # | 20 | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 230 | | | # | 20 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 210 | | | # | 50 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 220 | | | # | 10 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 260 | | | # | 20 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 600 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 840 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0002 | 14.00 -14.00 | 600 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 710 | | | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0474 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 860 | | | # | 50 | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 960 | | J | # | 50 | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 930 | | | # | 50 | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 770 | | | # | 50 | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 860 | | | # | 50 | - |
| | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 760 | | | # | 50 | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 410 | | | # | 50 | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 450 | | | # | 50 | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 570 | | F | # | 20 | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 280 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 110 | | | # | 5 | - |
| | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 320 | | | # | 50 | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 470 | | | # | 50 | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 400 | | | # | 20 | - |
| | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 310 | | | # | 20 | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 280 | | | # | 50 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 270 | | | # | 10 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 380 | | | # | 20 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 570 | | F | # | 50 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 840 | | F | # | 50 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0475 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 640 | | | # | 50 | - |
| | mg/L | 0475 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 810 | | | # | 50 | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 890 | | J | # | 50 | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 890 | | | # | 50 | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 700 | | | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 630 | | # | 50 | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 500 | | # | 50 | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 490 | | # | 50 | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 390 | | # | 50 | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 390 | F | # | 10 | - |
| | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 270 | F | # | 50 | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 95 | | # | 5 | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 310 | | # | 50 | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 360 | | # | 50 | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 320 | | # | 20 | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 260 | | # | 20 | - |
| | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 250 | | # | 50 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 250 | | # | 10 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 - 19.70 | 240 | | # | 20 | - |
| | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 310 | | # | 20 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 560 | F | # | 50 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 760 | F | # | 50 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 1100 | F | # | 50 | - |
| | mg/L | 0476 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 650 | | # | 50 | - |
| | mg/L | 0476 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 840 | | # | 50 | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 860 | J | # | 50 | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 850 | | # | 50 | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 760 | | # | 50 | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 530 | | # | 50 | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 410 | | # | 50 | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 450 | | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 360 | | # | 50 | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 390 | F | # | 10 | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 210 | F | # | 50 | - |
| | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 81 | | # | 5 | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 230 | | # | 50 | - |
| | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 240 | | # | 50 | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 220 | | # | 20 | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 210 | | # | 20 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 200 | | # | 50 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 230 | | # | 10 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 240 | | # | 20 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 540 | F | # | 50 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 1100 | F | # | 50 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 1200 | F | # | 50 | - |
| | mg/L | 0477 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 650 | | # | 50 | - |
| | mg/L | 0477 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 750 | | # | 50 | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 - 19.70 | 810 | J | # | 50 | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 710 | | # | 50 | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 680 | | # | 50 | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 500 | | # | 50 | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 410 | | # | 50 | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 600 | | # | 50 | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 390 | | # | 50 | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 360 | F | # | 10 | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 170 | F | # | 50 | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 100 | | # | 5 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 260 | | # | 50 | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 260 | | # | 50 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 250 | | # | 20 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0002 | 10.30 - 19.70 | 250 | | # | 20 | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 240 | | # | 20 | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 250 | | # | 50 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 210 | | # | 10 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 200 | | # | 20 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 - 19.70 | 120 | | # | 20 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 13.00 - 13.00 | 650 | F | # | 50 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 18.00 - 18.00 | 1200 | F | # | 50 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 23.00 - 23.00 | 1300 | F | # | 50 | - |
| | mg/L | 0478 | WL | 06/03/2004 | 0001 | 9.60 - 23.90 | 760 | | # | 50 | - |
| | mg/L | 0478 | WL | 07/07/2004 | 0001 | 9.60 - 23.90 | 1400 | F | # | 50 | - |
| | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 920 | J | # | 50 | - |
| | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 840 | | # | 50 | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 710 | | # | 50 | - |
| | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 650 | | # | 50 | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 550 | | # | 50 | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 680 | | # | 50 | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 470 | | # | 50 | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 420 | F | # | 10 | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 310 | F | # | 50 | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 110 | | # | 5 | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 280 | | # | 50 | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 470 | | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 370 | | # | 20 | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 390 | | # | 20 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 400 | | # | 50 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 290 | | # | 10 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 310 | | # | 20 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 13.00 - 13.00 | 620 | F | # | 50 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 1200 | F | # | 50 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 22.00 - 22.00 | 1400 | F | # | 50 | - |
| | mg/L | 0479 | WL | 06/03/2004 | 0001 | 9.30 - 23.60 | 780 | | # | 50 | - |
| | mg/L | 0479 | WL | 07/07/2004 | 0001 | 9.30 - 23.60 | 760 | | # | 50 | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 840 | J | # | 50 | - |
| | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 840 | | # | 50 | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 720 | | # | 50 | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 590 | | # | 50 | - |
| | mg/L | 0479 | WL | 12/16/2004 | 0001 | 9.30 - 23.60 | 440 | | # | 50 | - |
| | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 1100 | | # | 50 | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 500 | | # | 50 | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 400 | F | # | 10 | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 200 | F | # | 50 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 64 | | # | 5 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0002 | 9.30 - 23.60 | 69 | | # | 5 | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 150 | | # | 5 | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 330 | | # | 50 | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 300 | | # | 20 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 330 | | # | 20 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0002 | 9.30 - 23.60 | 330 | | # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 350 | | | # | 50 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 260 | | | # | 10 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 310 | | | # | 20 | - |
| | mg/L | SMI-PW02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 1400 | | F | # | 50 | - |
| | mg/L | SMI-PW02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 1300 | | | # | 50 | - |
| | mg/L | SMI-PW02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 1000 | | | # | 50 | - |
| | mg/L | SMI-PW02 | WL | 07/27/2005 | 0001 | 20.04 - 60.04 | 960 | | J | # | 50 | - |
| | mg/L | SMI-PW02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 880 | | | # | 20 | - |
| | mg/L | SMI-PW02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 920 | | F | # | 20 | - |
| | mg/L | SMI-PW02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 900 | | F | # | 20 | - |
| Bromide | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | | # | 4 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 - 19.70 | 4 | U | # | 4 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 4 | U | # | 4 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 4 | U | # | 4 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 4 | U | # | 4 | - |
| | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 4 | U | # | 4 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 4 | U | # | 4 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 4 | U | # | 4 | - |
| | mg/L | SMI-PW02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 10 | U F | # | 10 | - |
| | mg/L | SMI-PW02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 10 | U F | # | 10 | - |
| Chloride | mg/L | 0470 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 4900 | F | # | 100 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 9100 | F | # | 100 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 1800 | F | # | 40 | - |
| | mg/L | 0470 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 6000 | | # | 100 | - |
| | mg/L | 0470 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 7800 | | # | 100 | - |
| | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 7300 | J | # | 100 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 6300 | | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0470 | WL | 09/02/2004 | 0002 | 10.30 - 19.70 | 6600 | | # | 200 | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 5400 | | # | 200 | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 5900 | | # | 100 | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 6700 | | # | 100 | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 2900 | | # | 100 | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 6200 | | # | 100 | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 8400 | F | # | 100 | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 1900 | F | # | 40 | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 250 | | # | 10 | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 460 | | # | 10 | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 3000 | | # | 40 | - |
| | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 3300 | | # | 40 | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 3900 | | # | 40 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 3800 | | # | 40 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 - 19.70 | 3600 | | # | 40 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 3900 | | # | 40 | - |
| | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 4500 | | # | 100 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 1800 | F | # | 40 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 4100 | F | # | 100 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 7800 | F | # | 100 | - |
| | mg/L | 0471 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 5500 | | # | 100 | - |
| | mg/L | 0471 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 9100 | | # | 100 | - |
| | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 8800 | J | # | 100 | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 8300 | | # | 400 | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 7200 | | # | 200 | - |
| | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 8600 | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 9200 | | # | 100 | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 2300 | | # | 40 | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 6500 | | # | 100 | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 11000 | F | # | 400 | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 2100 | F | # | 40 | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 800 | | # | 20 | - |
| | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 1900 | | # | 20 | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 6100 | | # | 200 | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 5700 | | # | 100 | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 5500 | | # | 100 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 5400 | | # | 100 | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 4600 | | # | 100 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 4900 | | # | 100 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 1900 | F | # | 40 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 2300 | F | # | 40 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 4100 | F | # | 100 | - |
| | mg/L | 0472 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 4500 | | # | 100 | - |
| | mg/L | 0472 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 7300 | | # | 100 | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 7400 | J | # | 100 | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 6900 | | # | 200 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 5400 | | # | 200 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0002 | 10.30 -19.70 | 6100 | | # | 100 | - |
| | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 6600 | | # | 100 | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 6600 | | # | 100 | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 2400 | | # | 40 | - |
| | mg/L | 0472 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 4700 | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 7400 | | F | # | 100 | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 1400 | | F | # | 20 | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 270 | | | # | 10 | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 1900 | | | # | 20 | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 5500 | | | # | 200 | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 4500 | | | # | 100 | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 3900 | | | # | 40 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 3600 | | | # | 40 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 3400 | | | # | 40 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 3800 | | | # | 40 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 2700 | | F | # | 40 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 8800 | | F | # | 100 | - |
| | mg/L | 0473 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 4800 | | | # | 100 | - |
| | mg/L | 0473 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 4900 | | | # | 100 | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 5500 | | J | # | 100 | - |
| | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 6300 | | | # | 200 | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 5300 | | | # | 100 | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 5300 | | | # | 100 | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 3300 | | | # | 40 | - |
| | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 1800 | | | # | 40 | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 3700 | | | # | 40 | - |
| | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 4700 | | F | # | 200 | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 1900 | | F | # | 40 | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 550 | | | # | 10 | - |
| | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 2100 | | | # | 40 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 3400 | | # | 40 | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 3500 | | # | 40 | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 2700 | | # | 40 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 2400 | | # | 40 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 2200 | | # | 40 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 2500 | | # | 40 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 8100 | F | # | 100 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 2700 | F | # | 40 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 1900 | F | # | 40 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0002 | 14.00 - 14.00 | 1900 | F | # | 40 | - |
| | mg/L | 0474 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 3800 | | # | 40 | - |
| | mg/L | 0474 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 4900 | | # | 100 | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 6000 | J | # | 100 | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 5500 | | # | 200 | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 5800 | | # | 100 | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 5400 | | # | 100 | - |
| | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 5000 | | # | 100 | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 1700 | | # | 40 | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 3100 | | # | 40 | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 4300 | F | # | 200 | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 3100 | F | # | 40 | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 880 | | # | 20 | - |
| | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 2300 | | # | 40 | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 3500 | | # | 40 | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 4500 | | # | 100 | - |
| | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 3400 | | # | 40 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2800 | | # | 40 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2700 | | # | 40 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 3200 | | # | 40 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 1900 | F | # | 40 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3900 | F | # | 40 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 8600 | F | # | 100 | - |
| | mg/L | 0475 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3500 | | # | 40 | - |
| | mg/L | 0475 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 4100 | | # | 100 | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 4700 | J | # | 100 | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 5400 | | # | 200 | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 4900 | | # | 100 | - |
| | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 3300 | | # | 40 | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2700 | | # | 40 | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 2000 | | # | 40 | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 2300 | | # | 40 | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2500 | F | # | 40 | - |
| | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 2900 | F | # | 40 | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 800 | | # | 20 | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 2100 | | # | 40 | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3500 | | # | 40 | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 3300 | | # | 40 | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2700 | | # | 40 | - |
| | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2700 | | # | 40 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2400 | | # | 40 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 -19.70 | 2300 | | # | 40 | - |
| | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2500 | | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0476 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3600 | | F | # | 40 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 7400 | | F | # | 100 | - |
| | mg/L | 0476 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3500 | | | # | 40 | - |
| | mg/L | 0476 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 4200 | | | # | 100 | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 4500 | | J | # | 100 | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 4900 | | | # | 200 | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 4700 | | | # | 100 | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2500 | | | # | 40 | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 1900 | | | # | 40 | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 2100 | | | # | 40 | - |
| | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 2200 | | | # | 40 | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2400 | | F | # | 40 | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 -19.70 | 2100 | | F | # | 40 | - |
| | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 650 | | | # | 20 | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 1600 | | | # | 20 | - |
| | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 2700 | | | # | 40 | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2400 | | | # | 40 | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 1800 | | | # | 40 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 1900 | | | # | 40 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 1900 | | | # | 40 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 1900 | | | # | 40 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2100 | | F | # | 40 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 7700 | | F | # | 100 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 9000 | | F | # | 100 | - |
| | mg/L | 0477 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3400 | | | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0477 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 4100 | | | # | 100 | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 - 19.70 | 3800 | | J | # | 40 | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 3600 | | | # | 200 | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 3800 | | | # | 100 | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 2400 | | | # | 40 | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 2000 | | | # | 40 | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 4600 | | | # | 100 | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 2100 | | | # | 40 | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 2100 | | F | # | 40 | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 1900 | | F | # | 20 | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 680 | | | # | 20 | - |
| | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 1800 | | | # | 40 | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 2700 | | | # | 40 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 2500 | | | # | 40 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0002 | 10.30 - 19.70 | 2400 | | | # | 40 | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 2200 | | | # | 40 | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 2300 | | | # | 40 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 2100 | | | # | 40 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 1800 | | | # | 40 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 - 19.70 | 1800 | | | # | 40 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 23.00 - 23.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 13.00 - 13.00 | 2900 | | F | # | 40 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 18.00 - 18.00 | 10000 | | F | # | 200 | - |
| | mg/L | 0478 | WL | 06/03/2004 | 0001 | 9.60 - 23.90 | 3800 | | | # | 40 | - |
| | mg/L | 0478 | WL | 07/07/2004 | 0001 | 9.60 - 23.90 | 13000 | | F | # | 400 | - |
| | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 5700 | | J | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 5100 | | # | 200 | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 5100 | | # | 100 | - |
| | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 4400 | | # | 100 | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 3400 | | # | 40 | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 6400 | | # | 100 | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 3300 | | # | 40 | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 3000 | F | # | 40 | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 2500 | F | # | 40 | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 1200 | | # | 20 | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 1600 | | # | 40 | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 3800 | | # | 40 | - |
| | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 3800 | | # | 40 | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 4300 | | # | 100 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 4900 | | # | 100 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 3900 | | # | 40 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 3800 | | # | 40 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 13.00 - 13.00 | 2300 | F | # | 40 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 9600 | F | # | 100 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 22.00 - 22.00 | 14000 | F | # | 200 | - |
| | mg/L | 0479 | WL | 06/03/2004 | 0001 | 9.30 - 23.60 | 3600 | | # | 40 | - |
| | mg/L | 0479 | WL | 07/07/2004 | 0001 | 9.30 - 23.60 | 4100 | | # | 100 | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 4900 | J | # | 100 | - |
| | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 4500 | | # | 200 | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 4500 | | # | 100 | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 3700 | | # | 40 | - |
| | mg/L | 0479 | WL | 12/16/2004 | 0001 | 9.30 - 23.60 | 3100 | | # | 40 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 14000 | | # | 200 | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 3900 | | # | 40 | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 3000 | F | # | 40 | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 1700 | F | # | 20 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 710 | | # | 20 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0002 | 9.30 - 23.60 | 760 | | # | 20 | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 1100 | | # | 20 | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 2300 | | # | 40 | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 2200 | | # | 40 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 2800 | | # | 40 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0002 | 9.30 - 23.60 | 2800 | | # | 40 | - |
| | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 2600 | | # | 40 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 2200 | | # | 40 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 2500 | | # | 40 | - |
| | mg/L | SMI-PW 02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 27000 | F | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 30000 | | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 25000 | | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 07/27/2005 | 0001 | 20.04 - 60.04 | 25000 | | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 24000 | | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 23000 | F | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 25000 | F | # | 400 | - |
| Dissolved Oxygen | mg/L | 0470 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 0.37 | | # | - | - |
| | mg/L | 0470 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 0.57 | F | # | - | - |
| | mg/L | 0470 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 0.78 | F | # | - | - |
| | mg/L | 0470 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 1.55 | | # | - | - |
| | mg/L | 0470 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 0.90 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0470 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 1.65 | | # | - | - |
| | mg/L | 0470 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.96 | | # | - | - |
| | mg/L | 0470 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.69 | | # | - | - |
| | mg/L | 0470 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 0.93 | | # | - | - |
| | mg/L | 0470 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 1.91 | | # | - | - |
| | mg/L | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 0.49 | | # | - | - |
| | mg/L | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 0.24 | F | # | - | - |
| | mg/L | 0471 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 0.64 | F | # | - | - |
| | mg/L | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 1.01 | | # | - | - |
| | mg/L | 0471 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 1.01 | | # | - | - |
| | mg/L | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 1.62 | | # | - | - |
| | mg/L | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.06 | | # | - | - |
| | mg/L | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.64 | | # | - | - |
| | mg/L | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 3.24 | | # | - | - |
| | mg/L | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 3.81 | | # | - | - |
| | mg/L | 0472 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 0.64 | | # | - | - |
| | mg/L | 0472 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 0.21 | F | # | - | - |
| | mg/L | 0472 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 0.92 | F | # | - | - |
| | mg/L | 0472 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 1.60 | | # | - | - |
| | mg/L | 0472 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 2.98 | | # | - | - |
| | mg/L | 0472 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 3.24 | | # | - | - |
| | mg/L | 0472 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.29 | | # | - | - |
| | mg/L | 0472 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 3.78 | | # | - | - |
| | mg/L | 0472 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 1.42 | | # | - | - |
| | mg/L | 0472 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 1.49 | | # | - | - |
| | mg/L | 0473 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 0.80 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 0.39 | | F # | - | - |
| | mg/L | 0473 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 0.41 | | F # | - | - |
| | mg/L | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 1.02 | | # | - | - |
| | mg/L | 0473 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 5.62 | | # | - | - |
| | mg/L | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 2.04 | | # | - | - |
| | mg/L | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.99 | | # | - | - |
| | mg/L | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 2.41 | | # | - | - |
| | mg/L | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 2.53 | | # | - | - |
| | mg/L | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 2.38 | | # | - | - |
| | mg/L | 0474 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 0.71 | | # | - | - |
| | mg/L | 0474 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 0.30 | | F # | - | - |
| | mg/L | 0474 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 0.37 | | F # | - | - |
| | mg/L | 0474 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 0.90 | | # | - | - |
| | mg/L | 0474 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 6.94 | | # | - | - |
| | mg/L | 0474 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.10 | | # | - | - |
| | mg/L | 0474 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.97 | | # | - | - |
| | mg/L | 0474 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.83 | | # | - | - |
| | mg/L | 0474 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 1.53 | | # | - | - |
| | mg/L | 0474 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 1.70 | | # | - | - |
| | mg/L | 0475 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 0.79 | | # | - | - |
| | mg/L | 0475 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 0.27 | | F # | - | - |
| | mg/L | 0475 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 1.32 | | F # | - | - |
| | mg/L | 0475 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 2.33 | | # | - | - |
| | mg/L | 0475 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 12.93 | | # | - | - |
| | mg/L | 0475 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 3.40 | | # | - | - |
| | mg/L | 0475 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 5.76 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0475 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 4.72 | | # | - | - |
| | mg/L | 0475 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 2.19 | | # | - | - |
| | mg/L | 0475 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 1.66 | | # | - | - |
| | mg/L | 0476 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 0.96 | | # | - | - |
| | mg/L | 0476 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 1.54 | F | # | - | - |
| | mg/L | 0476 | WL | 04/27/2005 | N001 | 10.30 - 19.70 | 3.07 | F | # | - | - |
| | mg/L | 0476 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 3.57 | | # | - | - |
| | mg/L | 0476 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 5.41 | | # | - | - |
| | mg/L | 0476 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 3.64 | | # | - | - |
| | mg/L | 0476 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 1.38 | | # | - | - |
| | mg/L | 0476 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 1.57 | | # | - | - |
| | mg/L | 0476 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 1.96 | | # | - | - |
| | mg/L | 0477 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 1.13 | | # | - | - |
| | mg/L | 0477 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 0.33 | F | # | - | - |
| | mg/L | 0477 | WL | 04/27/2005 | N001 | 10.30 - 19.70 | 5.71 | F | # | - | - |
| | mg/L | 0477 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 0.71 | | # | - | - |
| | mg/L | 0477 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 3.59 | | # | - | - |
| | mg/L | 0477 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 4.96 | | # | - | - |
| | mg/L | 0477 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 2.18 | | # | - | - |
| | mg/L | 0477 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 1.20 | | # | - | - |
| | mg/L | 0477 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 1.19 | | # | - | - |
| | mg/L | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 0.82 | | # | - | - |
| | mg/L | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 0.26 | F | # | - | - |
| | mg/L | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 10.84 | F | # | - | - |
| | mg/L | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 1.20 | | # | - | - |
| | mg/L | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 5.95 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 3.74 | | # | - | - |
| | mg/L | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 1.73 | | # | - | - |
| | mg/L | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 1.42 | | # | - | - |
| | mg/L | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 2.99 | | # | - | - |
| | mg/L | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 0.79 | | # | - | - |
| | mg/L | 0479 | WL | 03/15/2005 | N001 | 9.30 - 23.60 | 0.30 | F | # | - | - |
| | mg/L | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 9.34 | F | # | - | - |
| | mg/L | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 2.32 | | # | - | - |
| | mg/L | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 3.50 | | # | - | - |
| | mg/L | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 3.15 | | # | - | - |
| | mg/L | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 1.63 | | # | - | - |
| | mg/L | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 1.14 | | # | - | - |
| | mg/L | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 1.42 | | # | - | - |
| | mg/L | SMI-PW 02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 1.20 | F | # | - | - |
| | mg/L | SMI-PW 02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 0.41 | | # | - | - |
| | mg/L | SMI-PW 02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 2.58 | | # | - | - |
| | mg/L | SMI-PW 02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 3.13 | | # | - | - |
| | mg/L | SMI-PW 02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 3.93 | F | # | - | - |
| | mg/L | SMI-PW 02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 3.64 | F | # | - | - |
| Oxidation Reduction Potent | mV | 0470 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | -5 | | # | - | - |
| | mV | 0470 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 204.5 | | # | - | - |
| | mV | 0470 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 95.5 | | # | - | - |
| | mV | 0470 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 243.6 | | # | - | - |
| | mV | 0470 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 114 | | # | - | - |
| | mV | 0470 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 148 | | # | - | - |
| | mV | 0470 | WL | 01/25/2005 | N001 | 19.00 - 19.00 | 152 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0470 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 154 | | # | - | - |
| | mV | 0470 | WL | 01/25/2005 | N001 | 15.00 -15.00 | 163 | | # | - | - |
| | mV | 0470 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 107 | | # | - | - |
| | mV | 0470 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 248 | F | # | - | - |
| | mV | 0470 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 176 | F | # | - | - |
| | mV | 0470 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 133 | | # | - | - |
| | mV | 0470 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 84 | | # | - | - |
| | mV | 0470 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 198.8 | | # | - | - |
| | mV | 0470 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 198 | | # | - | - |
| | mV | 0470 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 248 | | # | - | - |
| | mV | 0470 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 86 | | # | - | - |
| | mV | 0470 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 169.5 | | # | - | - |
| | mV | 0471 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 217.2 | | # | - | - |
| | mV | 0471 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 118.4 | | # | - | - |
| | mV | 0471 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 209.2 | | # | - | - |
| | mV | 0471 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 112 | | # | - | - |
| | mV | 0471 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 140 | | # | - | - |
| | mV | 0471 | WL | 01/25/2005 | N001 | 19.00 -19.00 | 146 | | # | - | - |
| | mV | 0471 | WL | 01/25/2005 | N001 | 15.00 -15.00 | 147 | | # | - | - |
| | mV | 0471 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 147 | | # | - | - |
| | mV | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 107 | | # | - | - |
| | mV | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 228 | F | # | - | - |
| | mV | 0471 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 179 | F | # | - | - |
| | mV | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 159 | | # | - | - |
| | mV | 0471 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 126 | | # | - | - |
| | mV | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 192.6 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 193 | | # | - | - |
| | mV | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 225 | | # | - | - |
| | mV | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 109 | | # | - | - |
| | mV | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 173.8 | | # | - | - |
| | mV | 0472 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 219.3 | | # | - | - |
| | mV | 0472 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 119.5 | | # | - | - |
| | mV | 0472 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 202.8 | | # | - | - |
| | mV | 0472 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 105 | | # | - | - |
| | mV | 0472 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 131 | | # | - | - |
| | mV | 0472 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 144 | | # | - | - |
| | mV | 0472 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 53 | | # | - | - |
| | mV | 0472 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 102 | | # | - | - |
| | mV | 0472 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 213 | F | # | - | - |
| | mV | 0472 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 171 | F | # | - | - |
| | mV | 0472 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 170 | | # | - | - |
| | mV | 0472 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 137 | | # | - | - |
| | mV | 0472 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 190.3 | | # | - | - |
| | mV | 0472 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 187 | | # | - | - |
| | mV | 0472 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 218 | | # | - | - |
| | mV | 0472 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 114 | | # | - | - |
| | mV | 0472 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 172.8 | | # | - | - |
| | mV | 0473 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 209.3 | | # | - | - |
| | mV | 0473 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 122.1 | | # | - | - |
| | mV | 0473 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 134 | | # | - | - |
| | mV | 0473 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 106 | | # | - | - |
| | mV | 0473 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 114 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0473 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 144 | | # | - | - |
| | mV | 0473 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 48 | | # | - | - |
| | mV | 0473 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 105 | | # | - | - |
| | mV | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 175 | F | # | - | - |
| | mV | 0473 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 171 | F | # | - | - |
| | mV | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 182 | | # | - | - |
| | mV | 0473 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 155 | | # | - | - |
| | mV | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 187.9 | | # | - | - |
| | mV | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 184 | | # | - | - |
| | mV | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 209 | | # | - | - |
| | mV | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 117 | | # | - | - |
| | mV | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 170.9 | | # | - | - |
| | mV | 0474 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 101 | | # | - | - |
| | mV | 0474 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 70.7 | | # | - | - |
| | mV | 0474 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 111 | | # | - | - |
| | mV | 0474 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 99 | | # | - | - |
| | mV | 0474 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 113 | | # | - | - |
| | mV | 0474 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 143 | | # | - | - |
| | mV | 0474 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 69 | | # | - | - |
| | mV | 0474 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 101 | | # | - | - |
| | mV | 0474 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 99 | F | # | - | - |
| | mV | 0474 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 182 | F | # | - | - |
| | mV | 0474 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 160 | | # | - | - |
| | mV | 0474 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 152 | | # | - | - |
| | mV | 0474 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 210 | | # | - | - |
| | mV | 0474 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 183.6 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0474 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 186 | | # | - | - |
| | mV | 0474 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 208 | | # | - | - |
| | mV | 0474 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 125 | | # | - | - |
| | mV | 0474 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 177.1 | | # | - | - |
| | mV | 0475 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 118.6 | | # | - | - |
| | mV | 0475 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 130.0 | | # | - | - |
| | mV | 0475 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 143 | | # | - | - |
| | mV | 0475 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 81 | | # | - | - |
| | mV | 0475 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 105 | | # | - | - |
| | mV | 0475 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 148 | | # | - | - |
| | mV | 0475 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 148 | | # | - | - |
| | mV | 0475 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 144 | | # | - | - |
| | mV | 0475 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 100 | | # | - | - |
| | mV | 0475 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 92 | F | # | - | - |
| | mV | 0475 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 196 | F | # | - | - |
| | mV | 0475 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 191 | | # | - | - |
| | mV | 0475 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 164 | | # | - | - |
| | mV | 0475 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 230 | | # | - | - |
| | mV | 0475 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 183.0 | | # | - | - |
| | mV | 0475 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 184 | | # | - | - |
| | mV | 0475 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 207 | | # | - | - |
| | mV | 0475 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 129 | | # | - | - |
| | mV | 0475 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 175.9 | | # | - | - |
| | mV | 0476 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 144 | | # | - | - |
| | mV | 0476 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 125.1 | | # | - | - |
| | mV | 0476 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 155 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0476 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 104 | | # | - | - |
| | mV | 0476 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 119 | | # | - | - |
| | mV | 0476 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 142 | | # | - | - |
| | mV | 0476 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 146 | | # | - | - |
| | mV | 0476 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 146 | | # | - | - |
| | mV | 0476 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 102 | | # | - | - |
| | mV | 0476 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 96 | F | # | - | - |
| | mV | 0476 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 180 | F | # | - | - |
| | mV | 0476 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 184 | | # | - | - |
| | mV | 0476 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 168 | | # | - | - |
| | mV | 0476 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 207 | | # | - | - |
| | mV | 0476 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 181.3 | | # | - | - |
| | mV | 0476 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 187 | | # | - | - |
| | mV | 0476 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 201 | | # | - | - |
| | mV | 0476 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 136 | | # | - | - |
| | mV | 0476 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 174.3 | | # | - | - |
| | mV | 0477 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 160.5 | | # | - | - |
| | mV | 0477 | WL | 08/04/2004 | N001 | 10.30 -19.70 | -15.0 | | # | - | - |
| | mV | 0477 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 171.2 | | # | - | - |
| | mV | 0477 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 151 | | # | - | - |
| | mV | 0477 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 99 | | # | - | - |
| | mV | 0477 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 110 | | # | - | - |
| | mV | 0477 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 143 | | # | - | - |
| | mV | 0477 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 144 | | # | - | - |
| | mV | 0477 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 141 | | # | - | - |
| | mV | 0477 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 104 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0477 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 119 | | F | # | - | - |
| | mV | 0477 | WL | 04/27/2005 | N001 | 10.30 - 19.70 | 176.6 | | F | # | - | - |
| | mV | 0477 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 196 | | | # | - | - |
| | mV | 0477 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 172 | | | # | - | - |
| | mV | 0477 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 211 | | | # | - | - |
| | mV | 0477 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 188.0 | | | # | - | - |
| | mV | 0477 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 189 | | | # | - | - |
| | mV | 0477 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 203 | | | # | - | - |
| | mV | 0477 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 140 | | | # | - | - |
| | mV | 0477 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 174.5 | | | # | - | - |
| | mV | 0478 | WL | 07/07/2004 | N001 | 9.60 - 23.90 | 229 | | F | # | - | - |
| | mV | 0478 | WL | 09/02/2004 | N001 | 9.60 - 23.90 | 127.6 | | | # | - | - |
| | mV | 0478 | WL | 10/13/2004 | N001 | 9.60 - 23.90 | 162 | | | # | - | - |
| | mV | 0478 | WL | 11/18/2004 | N001 | 9.60 - 23.90 | 98 | | | # | - | - |
| | mV | 0478 | WL | 12/16/2004 | N001 | 9.60 - 23.90 | 115 | | | # | - | - |
| | mV | 0478 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 74 | | | # | - | - |
| | mV | 0478 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 140 | | | # | - | - |
| | mV | 0478 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 141 | | | # | - | - |
| | mV | 0478 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 142 | | | # | - | - |
| | mV | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 103 | | | # | - | - |
| | mV | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 108 | | F | # | - | - |
| | mV | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 175 | | F | # | - | - |
| | mV | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 211 | | | # | - | - |
| | mV | 0478 | WL | 06/23/2005 | N001 | 9.60 - 23.90 | 175 | | | # | - | - |
| | mV | 0478 | WL | 07/27/2005 | N001 | 9.60 - 23.90 | 221 | | | # | - | - |
| | mV | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 187.3 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 192 | | # | - | - |
| | mV | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 207 | | # | - | - |
| | mV | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 148 | | # | - | - |
| | mV | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 181.9 | | # | - | - |
| | mV | 0479 | WL | 07/07/2004 | N001 | 9.30 - 23.60 | 170.8 | | # | - | - |
| | mV | 0479 | WL | 09/02/2004 | N001 | 9.30 - 23.60 | 146.3 | | # | - | - |
| | mV | 0479 | WL | 10/13/2004 | N001 | 9.30 - 23.60 | 166 | | # | - | - |
| | mV | 0479 | WL | 11/18/2004 | N001 | 9.30 - 23.60 | 100 | | # | - | - |
| | mV | 0479 | WL | 12/16/2004 | N001 | 9.30 - 23.60 | 110 | | # | - | - |
| | mV | 0479 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 139 | | # | - | - |
| | mV | 0479 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 121 | | # | - | - |
| | mV | 0479 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 117 | | # | - | - |
| | mV | 0479 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 106 | | # | - | - |
| | mV | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 103 | | # | - | - |
| | mV | 0479 | WL | 03/15/2005 | N001 | 9.30 - 23.60 | 132 | F | # | - | - |
| | mV | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 152 | F | # | - | - |
| | mV | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 217 | | # | - | - |
| | mV | 0479 | WL | 06/23/2005 | N001 | 9.30 - 23.60 | 172 | | # | - | - |
| | mV | 0479 | WL | 07/27/2005 | N001 | 9.30 - 23.60 | 212 | | # | - | - |
| | mV | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 181.0 | | # | - | - |
| | mV | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 191 | | # | - | - |
| | mV | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 203 | | # | - | - |
| | mV | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 146 | | # | - | - |
| | mV | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 179.6 | | # | - | - |
| | mV | SMI-PW 02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 196 | F | # | - | - |
| | mV | SMI-PW 02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 172 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | SMI-PW02 | WL | 06/23/2005 | N001 | 20.04 - 60.04 | 185 | | # | - | - |
| | mV | SMI-PW02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 47.8 | | # | - | - |
| | mV | SMI-PW02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 210 | | # | - | - |
| | mV | SMI-PW02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 267 | F | # | - | - |
| | mV | SMI-PW02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 213 | F | # | - | - |
| pH | s.u. | 0470 | WL | 04/05/2004 | N001 | 14.00 - 14.00 | 6.71 | F | # | - | - |
| | s.u. | 0470 | WL | 04/05/2004 | N001 | 17.00 - 17.00 | 6.82 | F | # | - | - |
| | s.u. | 0470 | WL | 04/05/2004 | N001 | 19.00 - 19.00 | 6.87 | F | # | - | - |
| | s.u. | 0470 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 6.62 | | # | - | - |
| | s.u. | 0470 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 6.62 | | # | - | - |
| | s.u. | 0470 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 6.6 | | # | - | - |
| | s.u. | 0470 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 6.83 | | # | - | - |
| | s.u. | 0470 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 6.86 | | # | - | - |
| | s.u. | 0470 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 7.03 | | # | - | - |
| | s.u. | 0470 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 6.96 | | # | - | - |
| | s.u. | 0470 | WL | 01/25/2005 | N001 | 15.00 - 15.00 | 6.92 | | # | - | - |
| | s.u. | 0470 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 6.93 | | # | - | - |
| | s.u. | 0470 | WL | 01/25/2005 | N001 | 19.00 - 19.00 | 6.96 | | # | - | - |
| | s.u. | 0470 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 6.88 | | # | - | - |
| | s.u. | 0470 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 6.71 | F | # | - | - |
| | s.u. | 0470 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 7.36 | F | # | - | - |
| | s.u. | 0470 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 7.28 | | # | - | - |
| | s.u. | 0470 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 7.24 | | # | - | - |
| | s.u. | 0470 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 6.71 | | # | - | - |
| | s.u. | 0470 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 6.92 | | # | - | - |
| | s.u. | 0470 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 6.88 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0470 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.83 | | # | - | - |
| | s.u. | 0470 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.91 | | # | - | - |
| | s.u. | 0471 | WL | 04/05/2004 | N001 | 19.00 -19.00 | 6.92 | F | # | - | - |
| | s.u. | 0471 | WL | 04/05/2004 | N001 | 14.00 -14.00 | 6.65 | F | # | - | - |
| | s.u. | 0471 | WL | 04/05/2004 | N001 | 17.00 -17.00 | 6.81 | F | # | - | - |
| | s.u. | 0471 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.63 | | # | - | - |
| | s.u. | 0471 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.59 | | # | - | - |
| | s.u. | 0471 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 6.73 | | # | - | - |
| | s.u. | 0471 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.76 | | # | - | - |
| | s.u. | 0471 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.89 | | # | - | - |
| | s.u. | 0471 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 6.98 | | # | - | - |
| | s.u. | 0471 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.88 | | # | - | - |
| | s.u. | 0471 | WL | 01/25/2005 | N001 | 15.00 -15.00 | 6.74 | | # | - | - |
| | s.u. | 0471 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 6.81 | | # | - | - |
| | s.u. | 0471 | WL | 01/25/2005 | N001 | 19.00 -19.00 | 6.90 | | # | - | - |
| | s.u. | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 6.88 | | # | - | - |
| | s.u. | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.71 | F | # | - | - |
| | s.u. | 0471 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 7.36 | F | # | - | - |
| | s.u. | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 7.11 | | # | - | - |
| | s.u. | 0471 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 7.00 | | # | - | - |
| | s.u. | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.64 | | # | - | - |
| | s.u. | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 6.89 | | # | - | - |
| | s.u. | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 6.83 | | # | - | - |
| | s.u. | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.82 | | # | - | - |
| | s.u. | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.92 | | # | - | - |
| | s.u. | 0472 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 6.71 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0472 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 6.80 | | F | # | - | - |
| | s.u. | 0472 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 6.98 | | F | # | - | - |
| | s.u. | 0472 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |
| | s.u. | 0472 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.61 | | | # | - | - |
| | s.u. | 0472 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 6.73 | | | # | - | - |
| | s.u. | 0472 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.75 | | | # | - | - |
| | s.u. | 0472 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.89 | | | # | - | - |
| | s.u. | 0472 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 7.00 | | | # | - | - |
| | s.u. | 0472 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.88 | | | # | - | - |
| | s.u. | 0472 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 6.74 | | | # | - | - |
| | s.u. | 0472 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 6.78 | | | # | - | - |
| | s.u. | 0472 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 6.88 | | | # | - | - |
| | s.u. | 0472 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.72 | | F | # | - | - |
| | s.u. | 0472 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 7.35 | | F | # | - | - |
| | s.u. | 0472 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 7.17 | | | # | - | - |
| | s.u. | 0472 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 7.05 | | | # | - | - |
| | s.u. | 0472 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |
| | s.u. | 0472 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 6.89 | | | # | - | - |
| | s.u. | 0472 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 6.86 | | | # | - | - |
| | s.u. | 0472 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.84 | | | # | - | - |
| | s.u. | 0472 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.92 | | | # | - | - |
| | s.u. | 0473 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 6.72 | | F | # | - | - |
| | s.u. | 0473 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 6.86 | | F | # | - | - |
| | s.u. | 0473 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 6.99 | | F | # | - | - |
| | s.u. | 0473 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |
| | s.u. | 0473 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0473 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 6.74 | | # | - | - |
| | s.u. | 0473 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.73 | | # | - | - |
| | s.u. | 0473 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.84 | | # | - | - |
| | s.u. | 0473 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 7.00 | | # | - | - |
| | s.u. | 0473 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.91 | | # | - | - |
| | s.u. | 0473 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 6.85 | | # | - | - |
| | s.u. | 0473 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 6.90 | | # | - | - |
| | s.u. | 0473 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 6.90 | | # | - | - |
| | s.u. | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.74 | F | # | - | - |
| | s.u. | 0473 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 7.14 | F | # | - | - |
| | s.u. | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 7.15 | | # | - | - |
| | s.u. | 0473 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 6.94 | | # | - | - |
| | s.u. | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.62 | | # | - | - |
| | s.u. | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 6.93 | | # | - | - |
| | s.u. | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 6.92 | | # | - | - |
| | s.u. | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.88 | | # | - | - |
| | s.u. | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.94 | | # | - | - |
| | s.u. | 0474 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 6.97 | F | # | - | - |
| | s.u. | 0474 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 6.74 | F | # | - | - |
| | s.u. | 0474 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 6.81 | F | # | - | - |
| | s.u. | 0474 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.65 | | # | - | - |
| | s.u. | 0474 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.61 | | # | - | - |
| | s.u. | 0474 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 6.73 | | # | - | - |
| | s.u. | 0474 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.81 | | # | - | - |
| | s.u. | 0474 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.85 | | # | - | - |
| | s.u. | 0474 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 6.95 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0474 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.87 | | | # | - | - |
| | s.u. | 0474 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 6.81 | | | # | - | - |
| | s.u. | 0474 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 6.87 | | | # | - | - |
| | s.u. | 0474 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 6.86 | | | # | - | - |
| | s.u. | 0474 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.69 | | F | # | - | - |
| | s.u. | 0474 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 6.97 | | F | # | - | - |
| | s.u. | 0474 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 7.05 | | | # | - | - |
| | s.u. | 0474 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 6.93 | | | # | - | - |
| | s.u. | 0474 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 6.69 | | | # | - | - |
| | s.u. | 0474 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.62 | | | # | - | - |
| | s.u. | 0474 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 6.92 | | | # | - | - |
| | s.u. | 0474 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 6.90 | | | # | - | - |
| | s.u. | 0474 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.86 | | | # | - | - |
| | s.u. | 0474 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.92 | | | # | - | - |
| | s.u. | 0475 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 6.68 | | F | # | - | - |
| | s.u. | 0475 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 6.75 | | F | # | - | - |
| | s.u. | 0475 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 6.83 | | F | # | - | - |
| | s.u. | 0475 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |
| | s.u. | 0475 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.59 | | | # | - | - |
| | s.u. | 0475 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 6.69 | | | # | - | - |
| | s.u. | 0475 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.69 | | | # | - | - |
| | s.u. | 0475 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.84 | | | # | - | - |
| | s.u. | 0475 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 6.98 | | | # | - | - |
| | s.u. | 0475 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.91 | | | # | - | - |
| | s.u. | 0475 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 7.09 | | | # | - | - |
| | s.u. | 0475 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 7.10 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0475 | WL | 01/26/2005 | N001 | 19.00 - 19.00 | 7.18 | | | # | - | - |
| | s.u. | 0475 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 6.91 | | | # | - | - |
| | s.u. | 0475 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 6.75 | | F | # | - | - |
| | s.u. | 0475 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 6.92 | | F | # | - | - |
| | s.u. | 0475 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 6.86 | | | # | - | - |
| | s.u. | 0475 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 6.89 | | | # | - | - |
| | s.u. | 0475 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 6.71 | | | # | - | - |
| | s.u. | 0475 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 6.64 | | | # | - | - |
| | s.u. | 0475 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 6.93 | | | # | - | - |
| | s.u. | 0475 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 6.89 | | | # | - | - |
| | s.u. | 0475 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 6.84 | | | # | - | - |
| | s.u. | 0475 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 6.89 | | | # | - | - |
| | s.u. | 0476 | WL | 04/06/2004 | N001 | 14.00 - 14.00 | 6.70 | | F | # | - | - |
| | s.u. | 0476 | WL | 04/06/2004 | N001 | 17.00 - 17.00 | 6.73 | | F | # | - | - |
| | s.u. | 0476 | WL | 04/06/2004 | N001 | 19.00 - 19.00 | 6.85 | | F | # | - | - |
| | s.u. | 0476 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 6.64 | | | # | - | - |
| | s.u. | 0476 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 6.54 | | | # | - | - |
| | s.u. | 0476 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 6.65 | | | # | - | - |
| | s.u. | 0476 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 6.72 | | | # | - | - |
| | s.u. | 0476 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 6.81 | | | # | - | - |
| | s.u. | 0476 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 6.98 | | | # | - | - |
| | s.u. | 0476 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 6.95 | | | # | - | - |
| | s.u. | 0476 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 7.05 | | | # | - | - |
| | s.u. | 0476 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 7.08 | | | # | - | - |
| | s.u. | 0476 | WL | 01/26/2005 | N001 | 19.00 - 19.00 | 7.16 | | | # | - | - |
| | s.u. | 0476 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 6.94 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0476 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.75 | | F | # | - | - |
| | s.u. | 0476 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 7.01 | | F | # | - | - |
| | s.u. | 0476 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 6.87 | | | # | - | - |
| | s.u. | 0476 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 6.82 | | | # | - | - |
| | s.u. | 0476 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 6.71 | | | # | - | - |
| | s.u. | 0476 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 6.66 | | | # | - | - |
| | s.u. | 0476 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 6.93 | | | # | - | - |
| | s.u. | 0476 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 6.89 | | | # | - | - |
| | s.u. | 0476 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 6.82 | | | # | - | - |
| | s.u. | 0476 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 6.91 | | | # | - | - |
| | s.u. | 0477 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 6.69 | | F | # | - | - |
| | s.u. | 0477 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 6.84 | | F | # | - | - |
| | s.u. | 0477 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 6.84 | | F | # | - | - |
| | s.u. | 0477 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 6.64 | | | # | - | - |
| | s.u. | 0477 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 6.52 | | | # | - | - |
| | s.u. | 0477 | WL | 08/04/2004 | N001 | 10.30 -19.70 | 6.74 | | | # | - | - |
| | s.u. | 0477 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 6.69 | | | # | - | - |
| | s.u. | 0477 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 6.82 | | | # | - | - |
| | s.u. | 0477 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 6.95 | | | # | - | - |
| | s.u. | 0477 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 6.88 | | | # | - | - |
| | s.u. | 0477 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 7.01 | | | # | - | - |
| | s.u. | 0477 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 7.03 | | | # | - | - |
| | s.u. | 0477 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 7.10 | | | # | - | - |
| | s.u. | 0477 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 6.93 | | | # | - | - |
| | s.u. | 0477 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 6.74 | | F | # | - | - |
| | s.u. | 0477 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 6.96 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0477 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 6.96 | | # | - | - |
| | s.u. | 0477 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 6.78 | | # | - | - |
| | s.u. | 0477 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 6.71 | | # | - | - |
| | s.u. | 0477 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 6.61 | | # | - | - |
| | s.u. | 0477 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 6.86 | | # | - | - |
| | s.u. | 0477 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 6.84 | | # | - | - |
| | s.u. | 0477 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 6.83 | | # | - | - |
| | s.u. | 0477 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 6.94 | | # | - | - |
| | s.u. | 0478 | WL | 04/06/2004 | N001 | 13.00 - 13.00 | 6.70 | F | # | - | - |
| | s.u. | 0478 | WL | 04/06/2004 | N001 | 23.00 - 23.00 | 6.76 | F | # | - | - |
| | s.u. | 0478 | WL | 04/06/2004 | N001 | 18.00 - 18.00 | 6.80 | F | # | - | - |
| | s.u. | 0478 | WL | 06/03/2004 | N001 | 9.60 - 23.90 | 6.66 | | # | - | - |
| | s.u. | 0478 | WL | 07/07/2004 | N001 | 9.60 - 23.90 | 6.79 | F | # | - | - |
| | s.u. | 0478 | WL | 08/03/2004 | N001 | 9.60 - 23.90 | 6.66 | | # | - | - |
| | s.u. | 0478 | WL | 09/02/2004 | N001 | 9.60 - 23.90 | 6.50 | | # | - | - |
| | s.u. | 0478 | WL | 10/13/2004 | N001 | 9.60 - 23.90 | 6.81 | | # | - | - |
| | s.u. | 0478 | WL | 11/18/2004 | N001 | 9.60 - 23.90 | 6.94 | | # | - | - |
| | s.u. | 0478 | WL | 12/16/2004 | N001 | 9.60 - 23.90 | 6.88 | | # | - | - |
| | s.u. | 0478 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 7.17 | | # | - | - |
| | s.u. | 0478 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 7.16 | | # | - | - |
| | s.u. | 0478 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 6.99 | | # | - | - |
| | s.u. | 0478 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 7.10 | | # | - | - |
| | s.u. | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 6.97 | | # | - | - |
| | s.u. | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 6.78 | F | # | - | - |
| | s.u. | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 6.88 | F | # | - | - |
| | s.u. | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 6.82 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0478 | WL | 06/23/2005 | N001 | 9.60 - 23.90 | 6.80 | | | # | - | - |
| | s.u. | 0478 | WL | 07/27/2005 | N001 | 9.60 - 23.90 | 6.73 | | | # | - | - |
| | s.u. | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 6.67 | | | # | - | - |
| | s.u. | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 6.84 | | | # | - | - |
| | s.u. | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 6.78 | | | # | - | - |
| | s.u. | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 6.78 | | | # | - | - |
| | s.u. | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 6.87 | | | # | - | - |
| | s.u. | 0479 | WL | 04/07/2004 | N001 | 13.00 - 13.00 | 6.76 | | F | # | - | - |
| | s.u. | 0479 | WL | 04/07/2004 | N001 | 22.00 - 22.00 | 6.77 | | F | # | - | - |
| | s.u. | 0479 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 6.83 | | F | # | - | - |
| | s.u. | 0479 | WL | 06/03/2004 | N001 | 9.30 - 23.60 | 6.67 | | | # | - | - |
| | s.u. | 0479 | WL | 07/07/2004 | N001 | 9.30 - 23.60 | 6.51 | | | # | - | - |
| | s.u. | 0479 | WL | 08/03/2004 | N001 | 9.30 - 23.60 | 6.66 | | | # | - | - |
| | s.u. | 0479 | WL | 09/02/2004 | N001 | 9.30 - 23.60 | 6.70 | | | # | - | - |
| | s.u. | 0479 | WL | 10/13/2004 | N001 | 9.30 - 23.60 | 6.78 | | | # | - | - |
| | s.u. | 0479 | WL | 11/18/2004 | N001 | 9.30 - 23.60 | 6.98 | | | # | - | - |
| | s.u. | 0479 | WL | 12/16/2004 | N001 | 9.30 - 23.60 | 7.00 | | | # | - | - |
| | s.u. | 0479 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 6.91 | | | # | - | - |
| | s.u. | 0479 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 7.04 | | | # | - | - |
| | s.u. | 0479 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 7.06 | | | # | - | - |
| | s.u. | 0479 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 7.06 | | | # | - | - |
| | s.u. | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 6.99 | | | # | - | - |
| | s.u. | 0479 | WL | 03/15/2005 | N001 | 9.30 - 23.60 | 6.85 | | F | # | - | - |
| | s.u. | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 7.00 | | F | # | - | - |
| | s.u. | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 6.81 | | | # | - | - |
| | s.u. | 0479 | WL | 06/23/2005 | N001 | 9.30 - 23.60 | 6.91 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0479 | WL | 07/27/2005 | N001 | 9.30 - 23.60 | 6.80 | | # | - | - |
| | s.u. | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 6.71 | | # | - | - |
| | s.u. | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 6.88 | | # | - | - |
| | s.u. | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 6.84 | | # | - | - |
| | s.u. | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 6.83 | | # | - | - |
| | s.u. | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 6.92 | | # | - | - |
| | s.u. | SMI-PW 02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 6.68 | F | # | - | - |
| | s.u. | SMI-PW 02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 6.49 | | # | - | - |
| | s.u. | SMI-PW 02 | WL | 06/23/2005 | N001 | 20.04 - 60.04 | 6.61 | | # | - | - |
| | s.u. | SMI-PW 02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 7.62 | | # | - | - |
| | s.u. | SMI-PW 02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 6.54 | | # | - | - |
| | s.u. | SMI-PW 02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 6.87 | F | # | - | - |
| | s.u. | SMI-PW 02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 6.80 | F | # | - | - |
| Specific Conductance | umhos/cm | 0470 | WL | 04/05/2004 | N001 | 14.00 - 14.00 | 17410 | F | # | - | - |
| | umhos/cm | 0470 | WL | 04/05/2004 | N001 | 17.00 - 17.00 | 27610 | F | # | - | - |
| | umhos/cm | 0470 | WL | 04/05/2004 | N001 | 19.00 - 19.00 | 34200 | F | # | - | - |
| | umhos/cm | 0470 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 27400 | | # | - | - |
| | umhos/cm | 0470 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 34320 | | # | - | - |
| | umhos/cm | 0470 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 29820 | | # | - | - |
| | umhos/cm | 0470 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 27873 | | # | - | - |
| | umhos/cm | 0470 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 25325 | | # | - | - |
| | umhos/cm | 0470 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 27051 | | # | - | - |
| | umhos/cm | 0470 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 29935 | | # | - | - |
| | umhos/cm | 0470 | WL | 01/25/2005 | N001 | 15.00 - 15.00 | 22175 | | # | - | - |
| | umhos/cm | 0470 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 24801 | | # | - | - |
| | umhos/cm | 0470 | WL | 01/25/2005 | N001 | 19.00 - 19.00 | 34468 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0470 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 29850 | | # | - | - |
| | umhos/cm | 0470 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 35940 | F | # | - | - |
| | umhos/cm | 0470 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 8878 | F | # | - | - |
| | umhos/cm | 0470 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 2855 | | # | - | - |
| | umhos/cm | 0470 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 3882 | | # | - | - |
| | umhos/cm | 0470 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 16609 | | # | - | - |
| | umhos/cm | 0470 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 19458 | | # | - | - |
| | umhos/cm | 0470 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 19880 | | # | - | - |
| | umhos/cm | 0470 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 19020 | | # | - | - |
| | umhos/cm | 0470 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 20640 | | # | - | - |
| | umhos/cm | 0470 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 21480 | | # | - | - |
| | umhos/cm | 0471 | WL | 04/05/2004 | N001 | 14.00 -14.00 | 16090 | F | # | - | - |
| | umhos/cm | 0471 | WL | 04/05/2004 | N001 | 17.00 -17.00 | 25510 | F | # | - | - |
| | umhos/cm | 0471 | WL | 04/05/2004 | N001 | 19.00 -19.00 | 31830 | F | # | - | - |
| | umhos/cm | 0471 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 26250 | | # | - | - |
| | umhos/cm | 0471 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 37050 | | # | - | - |
| | umhos/cm | 0471 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 39105 | | # | - | - |
| | umhos/cm | 0471 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 32558 | | # | - | - |
| | umhos/cm | 0471 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 30865 | | # | - | - |
| | umhos/cm | 0471 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 33400 | | # | - | - |
| | umhos/cm | 0471 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 36333 | | # | - | - |
| | umhos/cm | 0471 | WL | 01/25/2005 | N001 | 15.00 -15.00 | 18700 | | # | - | - |
| | umhos/cm | 0471 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 21006 | | # | - | - |
| | umhos/cm | 0471 | WL | 01/25/2005 | N001 | 19.00 -19.00 | 32200 | | # | - | - |
| | umhos/cm | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 28495 | | # | - | - |
| | umhos/cm | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 42520 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 5069 | | # | - | - |
| | umhos/cm | 0471 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 10250 | | # | - | - |
| | umhos/cm | 0471 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 26180 | | # | - | - |
| | umhos/cm | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 25301 | | # | - | - |
| | umhos/cm | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 24860 | | # | - | - |
| | umhos/cm | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 23370 | | # | - | - |
| | umhos/cm | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 23220 | | # | - | - |
| | umhos/cm | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 23800 | | # | - | - |
| | umhos/cm | 0472 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 20920 | F | # | - | - |
| | umhos/cm | 0472 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 27030 | F | # | - | - |
| | umhos/cm | 0472 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 17070 | F | # | - | - |
| | umhos/cm | 0472 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 23750 | | # | - | - |
| | umhos/cm | 0472 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 31500 | | # | - | - |
| | umhos/cm | 0472 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 34835 | | # | - | - |
| | umhos/cm | 0472 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 28320 | | # | - | - |
| | umhos/cm | 0472 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 26432 | | # | - | - |
| | umhos/cm | 0472 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 29650 | | # | - | - |
| | umhos/cm | 0472 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 30235 | | # | - | - |
| | umhos/cm | 0472 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 18390 | | # | - | - |
| | umhos/cm | 0472 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 17900 | | # | - | - |
| | umhos/cm | 0472 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 24860 | | # | - | - |
| | umhos/cm | 0472 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 32290 | F | # | - | - |
| | umhos/cm | 0472 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 3270 | | # | - | - |
| | umhos/cm | 0472 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 11020 | | # | - | - |
| | umhos/cm | 0472 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 23044 | | # | - | - |
| | umhos/cm | 0472 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 24020 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0472 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 20410 | | # | - | - |
| | umhos/cm | 0472 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 19700 | | # | - | - |
| | umhos/cm | 0472 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 19550 | | # | - | - |
| | umhos/cm | 0472 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 19930 | | # | - | - |
| | umhos/cm | 0473 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 34430 | F | # | - | - |
| | umhos/cm | 0473 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16430 | F | # | - | - |
| | umhos/cm | 0473 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 21800 | F | # | - | - |
| | umhos/cm | 0473 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 24290 | | # | - | - |
| | umhos/cm | 0473 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 24580 | | # | - | - |
| | umhos/cm | 0473 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 29351 | | # | - | - |
| | umhos/cm | 0473 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 27744 | | # | - | - |
| | umhos/cm | 0473 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 23952 | | # | - | - |
| | umhos/cm | 0473 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 26995 | | # | - | - |
| | umhos/cm | 0473 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 26030 | | # | - | - |
| | umhos/cm | 0473 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 17573 | | # | - | - |
| | umhos/cm | 0473 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 13000 | | # | - | - |
| | umhos/cm | 0473 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 20750 | | # | - | - |
| | umhos/cm | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 25430 | F | # | - | - |
| | umhos/cm | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 4153 | | # | - | - |
| | umhos/cm | 0473 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 12260 | | # | - | - |
| | umhos/cm | 0473 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 22318 | | # | - | - |
| | umhos/cm | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 23048 | | # | - | - |
| | umhos/cm | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 17550 | | # | - | - |
| | umhos/cm | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 16040 | | # | - | - |
| | umhos/cm | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 15310 | | # | - | - |
| | umhos/cm | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 16130 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0474 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16570 | | F # | - | - |
| | umhos/cm | 0474 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 19950 | | F # | - | - |
| | umhos/cm | 0474 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 33560 | | F # | - | - |
| | umhos/cm | 0474 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 22560 | | # | - | - |
| | umhos/cm | 0474 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 26750 | | # | - | - |
| | umhos/cm | 0474 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 32424 | | # | - | - |
| | umhos/cm | 0474 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 27797 | | # | - | - |
| | umhos/cm | 0474 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 26555 | | # | - | - |
| | umhos/cm | 0474 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 27310 | | # | - | - |
| | umhos/cm | 0474 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 25975 | | # | - | - |
| | umhos/cm | 0474 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 16501 | | # | - | - |
| | umhos/cm | 0474 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 8965 | | # | - | - |
| | umhos/cm | 0474 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 18580 | | # | - | - |
| | umhos/cm | 0474 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 23620 | | F # | - | - |
| | umhos/cm | 0474 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 5906 | | # | - | - |
| | umhos/cm | 0474 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 13030 | | # | - | - |
| | umhos/cm | 0474 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 24631 | | # | - | - |
| | umhos/cm | 0474 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 24581 | | # | - | - |
| | umhos/cm | 0474 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 20400 | | # | - | - |
| | umhos/cm | 0474 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 17810 | | # | - | - |
| | umhos/cm | 0474 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 17090 | | # | - | - |
| | umhos/cm | 0474 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 13770 | | # | - | - |
| | umhos/cm | 0475 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16460 | | F # | - | - |
| | umhos/cm | 0475 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 22640 | | F # | - | - |
| | umhos/cm | 0475 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 33280 | | F # | - | - |
| | umhos/cm | 0475 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 23700 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0475 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 24710 | | # | - | - |
| | umhos/cm | 0475 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 25970 | | # | - | - |
| | umhos/cm | 0475 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 25942 | | # | - | - |
| | umhos/cm | 0475 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 24175 | | # | - | - |
| | umhos/cm | 0475 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 20430 | | # | - | - |
| | umhos/cm | 0475 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 17288 | | # | - | - |
| | umhos/cm | 0475 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 17045 | | # | - | - |
| | umhos/cm | 0475 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 31800 | | # | - | - |
| | umhos/cm | 0475 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 10200 | | # | - | - |
| | umhos/cm | 0475 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 15020 | | # | - | - |
| | umhos/cm | 0475 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 16670 | F | # | - | - |
| | umhos/cm | 0475 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 6451 | | # | - | - |
| | umhos/cm | 0475 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 13400 | | # | - | - |
| | umhos/cm | 0475 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 23162 | | # | - | - |
| | umhos/cm | 0475 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 22303 | | # | - | - |
| | umhos/cm | 0475 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 16950 | | # | - | - |
| | umhos/cm | 0475 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 16200 | | # | - | - |
| | umhos/cm | 0475 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 15250 | | # | - | - |
| | umhos/cm | 0475 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 16010 | | # | - | - |
| | umhos/cm | 0476 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 32040 | F | # | - | - |
| | umhos/cm | 0476 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 20750 | F | # | - | - |
| | umhos/cm | 0476 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16650 | F | # | - | - |
| | umhos/cm | 0476 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 21050 | | # | - | - |
| | umhos/cm | 0476 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 24800 | | # | - | - |
| | umhos/cm | 0476 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 25105 | | # | - | - |
| | umhos/cm | 0476 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 24558 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0476 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 23525 | | # | - | - |
| | umhos/cm | 0476 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16850 | | # | - | - |
| | umhos/cm | 0476 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 14365 | | # | - | - |
| | umhos/cm | 0476 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 15695 | | # | - | - |
| | umhos/cm | 0476 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 16100 | | # | - | - |
| | umhos/cm | 0476 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 32460 | | # | - | - |
| | umhos/cm | 0476 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 14050 | | # | - | - |
| | umhos/cm | 0476 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 16000 | F | # | - | - |
| | umhos/cm | 0476 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 11511 | F | # | - | - |
| | umhos/cm | 0476 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 5587 | | # | - | - |
| | umhos/cm | 0476 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 12890 | | # | - | - |
| | umhos/cm | 0476 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 20353 | | # | - | - |
| | umhos/cm | 0476 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 17711 | | # | - | - |
| | umhos/cm | 0476 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 13860 | | # | - | - |
| | umhos/cm | 0476 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 13430 | | # | - | - |
| | umhos/cm | 0476 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 14070 | | # | - | - |
| | umhos/cm | 0476 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 14220 | | # | - | - |
| | umhos/cm | 0477 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16920 | F | # | - | - |
| | umhos/cm | 0477 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 34710 | F | # | - | - |
| | umhos/cm | 0477 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 35350 | F | # | - | - |
| | umhos/cm | 0477 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 20545 | | # | - | - |
| | umhos/cm | 0477 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 24900 | | # | - | - |
| | umhos/cm | 0477 | WL | 08/04/2004 | N001 | 10.30 -19.70 | 27690 | | # | - | - |
| | umhos/cm | 0477 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 20878 | | # | - | - |
| | umhos/cm | 0477 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 21860 | | # | - | - |
| | umhos/cm | 0477 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16620 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0477 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 14845 | | # | - | - |
| | umhos/cm | 0477 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 7340 | | # | - | - |
| | umhos/cm | 0477 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 23486 | | # | - | - |
| | umhos/cm | 0477 | WL | 01/26/2005 | N001 | 19.00 - 19.00 | 42360 | | # | - | - |
| | umhos/cm | 0477 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 14025 | | # | - | - |
| | umhos/cm | 0477 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 14990 | F | # | - | - |
| | umhos/cm | 0477 | WL | 04/27/2005 | N001 | 10.30 - 19.70 | 10091 | F | # | - | - |
| | umhos/cm | 0477 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 6107 | | # | - | - |
| | umhos/cm | 0477 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 14590 | | # | - | - |
| | umhos/cm | 0477 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 20215 | | # | - | - |
| | umhos/cm | 0477 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 18084 | | # | - | - |
| | umhos/cm | 0477 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 16170 | | # | - | - |
| | umhos/cm | 0477 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 15620 | | # | - | - |
| | umhos/cm | 0477 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 15260 | | # | - | - |
| | umhos/cm | 0477 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 13280 | | # | - | - |
| | umhos/cm | 0478 | WL | 04/06/2004 | N001 | 13.00 - 13.00 | 19120 | F | # | - | - |
| | umhos/cm | 0478 | WL | 04/06/2004 | N001 | 18.00 - 18.00 | 37090 | F | # | - | - |
| | umhos/cm | 0478 | WL | 04/06/2004 | N001 | 23.00 - 23.00 | 38680 | F | # | - | - |
| | umhos/cm | 0478 | WL | 06/03/2004 | N001 | 9.60 - 23.90 | 21635 | | # | - | - |
| | umhos/cm | 0478 | WL | 07/07/2004 | N001 | 9.60 - 23.90 | 47110 | F | # | - | - |
| | umhos/cm | 0478 | WL | 08/03/2004 | N001 | 9.60 - 23.90 | 30042 | | # | - | - |
| | umhos/cm | 0478 | WL | 09/02/2004 | N001 | 9.60 - 23.90 | 26378 | | # | - | - |
| | umhos/cm | 0478 | WL | 10/13/2004 | N001 | 9.60 - 23.90 | 24710 | | # | - | - |
| | umhos/cm | 0478 | WL | 11/18/2004 | N001 | 9.60 - 23.90 | 22690 | | # | - | - |
| | umhos/cm | 0478 | WL | 12/16/2004 | N001 | 9.60 - 23.90 | 19370 | | # | - | - |
| | umhos/cm | 0478 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 10640 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0478 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 22325 | | # | - | - |
| | umhos/cm | 0478 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 24442 | | # | - | - |
| | umhos/cm | 0478 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 25332 | | # | - | - |
| | umhos/cm | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 16265 | | # | - | - |
| | umhos/cm | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 18410 | F | # | - | - |
| | umhos/cm | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 14226 | F | # | - | - |
| | umhos/cm | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 7797 | | # | - | - |
| | umhos/cm | 0478 | WL | 06/23/2005 | N001 | 9.60 - 23.90 | 13030 | | # | - | - |
| | umhos/cm | 0478 | WL | 07/27/2005 | N001 | 9.60 - 23.90 | 19473 | | # | - | - |
| | umhos/cm | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 19460 | | # | - | - |
| | umhos/cm | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 21550 | | # | - | - |
| | umhos/cm | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 22690 | | # | - | - |
| | umhos/cm | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 20160 | | # | - | - |
| | umhos/cm | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 18120 | | # | - | - |
| | umhos/cm | 0479 | WL | 04/07/2004 | N001 | 13.00 - 13.00 | 17210 | F | # | - | - |
| | umhos/cm | 0479 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 36350 | F | # | - | - |
| | umhos/cm | 0479 | WL | 04/07/2004 | N001 | 22.00 - 22.00 | 45620 | F | # | - | - |
| | umhos/cm | 0479 | WL | 06/03/2004 | N001 | 9.30 - 23.60 | 21620 | | # | - | - |
| | umhos/cm | 0479 | WL | 07/07/2004 | N001 | 9.30 - 23.60 | 24060 | | # | - | - |
| | umhos/cm | 0479 | WL | 08/03/2004 | N001 | 9.30 - 23.60 | 24430 | | # | - | - |
| | umhos/cm | 0479 | WL | 09/02/2004 | N001 | 9.30 - 23.60 | 25420 | | # | - | - |
| | umhos/cm | 0479 | WL | 10/13/2004 | N001 | 9.30 - 23.60 | 24020 | | # | - | - |
| | umhos/cm | 0479 | WL | 11/18/2004 | N001 | 9.30 - 23.60 | 20395 | | # | - | - |
| | umhos/cm | 0479 | WL | 12/16/2004 | N001 | 9.30 - 23.60 | 16105 | | # | - | - |
| | umhos/cm | 0479 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 5295 | | # | - | - |
| | umhos/cm | 0479 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 9095 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0479 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 43413 | | # | - | - |
| | umhos/cm | 0479 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 44605 | | # | - | - |
| | umhos/cm | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 18710 | | # | - | - |
| | umhos/cm | 0479 | WL | 03/15/2005 | N001 | 9.30 - 23.60 | 16890 | F | # | - | - |
| | umhos/cm | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 10976 | F | # | - | - |
| | umhos/cm | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 6617 | | # | - | - |
| | umhos/cm | 0479 | WL | 06/23/2005 | N001 | 9.30 - 23.60 | 8838 | | # | - | - |
| | umhos/cm | 0479 | WL | 07/27/2005 | N001 | 9.30 - 23.60 | 16655 | | # | - | - |
| | umhos/cm | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 15998 | | # | - | - |
| | umhos/cm | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 18780 | | # | - | - |
| | umhos/cm | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 17840 | | # | - | - |
| | umhos/cm | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 14780 | | # | - | - |
| | umhos/cm | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 14500 | | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 75344 | F | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 79400 | | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 06/23/2005 | N001 | 20.04 - 60.04 | 71720 | | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 67789 | | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 64057 | | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 63810 | F | # | - | - |
| | umhos/cm | SMI-PW 02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 63940 | F | # | - | - |
| Sulfate | mg/L | 0470 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 11000 | F | # | 250 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 8500 | F | # | 100 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 10000 | F | # | 250 | - |
| | mg/L | 0470 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 9700 | | # | 250 | - |
| | mg/L | 0470 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 9600 | | # | 250 | - |
| | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 8800 | J | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 7800 | | | # | 500 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0002 | 10.30 -19.70 | 8000 | | | # | 500 | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 6600 | | | # | 100 | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 6900 | | | # | 250 | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 7600 | | | # | 250 | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 12000 | | | # | 250 | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 9700 | | | # | 250 | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 9400 | | F | # | 250 | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 1600 | | F | # | 50 | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 830 | | | # | 25 | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 970 | | | # | 25 | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 4900 | | | # | 100 | - |
| | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 6400 | | | # | 100 | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 6800 | | | # | 100 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 6800 | | | # | 100 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 -19.70 | 6400 | | | # | 100 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 6800 | | | # | 100 | - |
| | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 7100 | | | # | 100 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 14.00 -14.00 | 8000 | | F | # | 100 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 19.00 -19.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 17.00 -17.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0471 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 9200 | | | # | 250 | - |
| | mg/L | 0471 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 9300 | | | # | 250 | - |
| | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 9100 | | J | # | 250 | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 8100 | | | # | 1000 | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 7500 | | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 8100 | | # | 250 | - |
| | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 8300 | | # | 250 | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 9300 | | # | 100 | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 9300 | | # | 250 | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 9000 | F | # | 250 | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 1700 | F | # | 50 | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1100 | | # | 50 | - |
| | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 2100 | | # | 50 | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 6900 | | # | 100 | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 7500 | | # | 100 | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 7600 | | # | 100 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 8100 | | # | 100 | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 7600 | | # | 100 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 7000 | | # | 250 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 8400 | F | # | 100 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 10000 | F | # | 100 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 11000 | F | # | 250 | - |
| | mg/L | 0472 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 8600 | | # | 100 | - |
| | mg/L | 0472 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 8500 | | # | 250 | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 8800 | J | # | 250 | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 8100 | | # | 500 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 7200 | | # | 100 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0002 | 10.30 -19.70 | 7400 | | # | 250 | - |
| | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 7400 | | # | 250 | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 7800 | | # | 250 | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 7300 | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0472 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 7900 | | # | 100 | - |
| | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 8200 | F | # | 250 | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 1500 | F | # | 50 | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1000 | | # | 25 | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 2400 | | # | 50 | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 6900 | | # | 100 | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 7800 | | # | 100 | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 6800 | | # | 100 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 7000 | | # | 100 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 6500 | | # | 100 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 6500 | | # | 100 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 10000 | F | # | 100 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 8000 | F | # | 100 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 9800 | F | # | 250 | - |
| | mg/L | 0473 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 8700 | | # | 100 | - |
| | mg/L | 0473 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 7800 | | # | 250 | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 8700 | J | # | 250 | - |
| | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 8600 | | # | 500 | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 7300 | | # | 250 | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 7500 | | # | 250 | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 6800 | | # | 100 | - |
| | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 7900 | | # | 100 | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 7000 | | # | 100 | - |
| | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 7200 | F | # | 100 | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 2100 | F | # | 50 | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1000 | | # | 25 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 3100 | | | # | 50 | - |
| | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 7500 | | | # | 100 | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 8200 | | | # | 100 | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 6900 | | | # | 100 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 6300 | | | # | 100 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 5700 | | | # | 100 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 6200 | | | # | 100 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 7800 | | F | # | 100 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 8600 | | F | # | 100 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0002 | 14.00 -14.00 | 7900 | | F | # | 100 | - |
| | mg/L | 0474 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 8600 | | | # | 100 | - |
| | mg/L | 0474 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 8700 | | | # | 250 | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 9100 | | J | # | 250 | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 9300 | | | # | 500 | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 7700 | | | # | 250 | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 7900 | | | # | 250 | - |
| | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 7200 | | | # | 100 | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 7400 | | | # | 100 | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 6300 | | | # | 100 | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 6700 | | F | # | 100 | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 3000 | | F | # | 50 | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1100 | | | # | 50 | - |
| | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 3300 | | | # | 50 | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 8700 | | | # | 100 | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 9500 | | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 8000 | | # | 100 | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 7000 | | # | 100 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 6300 | | # | 100 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 6800 | | # | 100 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 7900 | F | # | 100 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 8900 | F | # | 100 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 10000 | F | # | 250 | - |
| | mg/L | 0475 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 8500 | | # | 100 | - |
| | mg/L | 0475 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 8700 | | # | 250 | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 9300 | J | # | 250 | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 9200 | | # | 500 | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 7600 | | # | 250 | - |
| | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 6500 | | # | 100 | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 5100 | | # | 100 | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 7500 | | # | 100 | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 5400 | | # | 100 | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 5100 | F | # | 100 | - |
| | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 3400 | F | # | 50 | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1700 | | # | 50 | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 4000 | | # | 50 | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 8900 | | # | 100 | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 8800 | | # | 100 | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 6900 | | # | 100 | - |
| | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 6700 | | # | 100 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 5600 | | # | 100 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 -19.70 | 5600 | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 6100 | | # | 100 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 7800 | F | # | 100 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 8800 | F | # | 100 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 9800 | F | # | 250 | - |
| | mg/L | 0476 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 8500 | | # | 100 | - |
| | mg/L | 0476 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 9900 | | # | 250 | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 9600 | J | # | 250 | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 8800 | | # | 500 | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 8100 | | # | 250 | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 5300 | | # | 100 | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 4500 | | # | 100 | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 6700 | | # | 100 | - |
| | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 4800 | | # | 100 | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 4900 | F | # | 100 | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 -19.70 | 2700 | F | # | 50 | - |
| | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 1700 | | # | 50 | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 4600 | | # | 50 | - |
| | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 8300 | | # | 100 | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 7500 | | # | 100 | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 5900 | | # | 100 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 6000 | | # | 100 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 5700 | | # | 100 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 5200 | | # | 100 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 9800 | F | # | 250 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 9600 | F | # | 250 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 7800 | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0477 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 8400 | | # | 100 | - |
| | mg/L | 0477 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 8900 | | # | 250 | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 - 19.70 | 9000 | J | # | 100 | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 8200 | | # | 500 | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 8200 | | # | 250 | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 5400 | | # | 100 | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 4700 | | # | 100 | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 7000 | | # | 250 | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 4700 | | # | 100 | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 4800 | F | # | 100 | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 2600 | F | # | 50 | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 1900 | | # | 50 | - |
| | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 5200 | | # | 100 | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 8400 | | # | 100 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 7400 | | # | 100 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0002 | 10.30 - 19.70 | 7300 | | # | 100 | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 7100 | | # | 100 | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 7500 | | # | 100 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 6200 | | # | 100 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 5200 | | # | 100 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 - 19.70 | 5300 | | # | 100 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 13.00 - 13.00 | 8000 | F | # | 100 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 23.00 - 23.00 | 9700 | F | # | 250 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 18.00 - 18.00 | 9900 | F | # | 250 | - |
| | mg/L | 0478 | WL | 06/03/2004 | 0001 | 9.60 - 23.90 | 8600 | | # | 100 | - |
| | mg/L | 0478 | WL | 07/07/2004 | 0001 | 9.60 - 23.90 | 11000 | F | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 9000 | | J | # | 250 | - |
| | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 7600 | | | # | 500 | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 8000 | | | # | 250 | - |
| | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 6000 | | | # | 100 | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 5400 | | | # | 100 | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 5800 | | | # | 250 | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 5200 | | | # | 100 | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 4900 | | F | # | 100 | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 3600 | | F | # | 50 | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 2300 | | | # | 50 | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 4300 | | | # | 100 | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 7800 | | | # | 100 | - |
| | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 7200 | | | # | 100 | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 8300 | | | # | 100 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 8600 | | | # | 100 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 6400 | | | # | 100 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 5900 | | | # | 100 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 13.00 - 13.00 | 7800 | | F | # | 100 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 22.00 - 22.00 | 9500 | | F | # | 250 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0479 | WL | 06/03/2004 | 0001 | 9.30 - 23.60 | 8600 | | | # | 100 | - |
| | mg/L | 0479 | WL | 07/07/2004 | 0001 | 9.30 - 23.60 | 8400 | | | # | 250 | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 8400 | | J | # | 250 | - |
| | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 6800 | | | # | 500 | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 8100 | | | # | 250 | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 5300 | | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0479 | WL | 12/16/2004 | 0001 | 9.30 - 23.60 | 3600 | | # | 100 | - |
| | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 6700 | | # | 500 | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 4700 | | # | 100 | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 4400 | F | # | 100 | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 2400 | F | # | 50 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 1900 | | # | 50 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0002 | 9.30 - 23.60 | 2100 | | # | 50 | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 2800 | | # | 50 | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 5800 | | # | 100 | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 5600 | | # | 100 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 7500 | | # | 100 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0002 | 9.30 - 23.60 | 7500 | | # | 100 | - |
| | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 7300 | | # | 100 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 5100 | | # | 100 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 5000 | | # | 100 | - |
| | mg/L | SMI-PW 02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 7800 | F | # | 500 | - |
| | mg/L | SMI-PW 02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 7800 | | # | 500 | - |
| | mg/L | SMI-PW 02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 7500 | | # | 500 | - |
| | mg/L | SMI-PW 02 | WL | 07/27/2005 | 0001 | 20.04 - 60.04 | 8200 | | # | 250 | - |
| | mg/L | SMI-PW 02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 7900 | | # | 250 | - |
| | mg/L | SMI-PW 02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 8600 | F | # | 250 | - |
| | mg/L | SMI-PW 02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 8400 | F | # | 500 | - |
| Temperature | C | 0470 | WL | 04/05/2004 | N001 | 17.00 - 17.00 | 15.0 | F | # | - | - |
| | C | 0470 | WL | 04/05/2004 | N001 | 19.00 - 19.00 | 15.8 | F | # | - | - |
| | C | 0470 | WL | 04/05/2004 | N001 | 14.00 - 14.00 | 15.9 | F | # | - | - |
| | C | 0470 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 19.1 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0470 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 16.8 | | # | - | - |
| | C | 0470 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 17.10 | | # | - | - |
| | C | 0470 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 16.76 | | # | - | - |
| | C | 0470 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 16.56 | | # | - | - |
| | C | 0470 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 16.72 | | # | - | - |
| | C | 0470 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 15.42 | | # | - | - |
| | C | 0470 | WL | 01/25/2005 | N001 | 19.00 - 19.00 | 14.49 | | # | - | - |
| | C | 0470 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 14.54 | | # | - | - |
| | C | 0470 | WL | 01/25/2005 | N001 | 15.00 - 15.00 | 14.88 | | # | - | - |
| | C | 0470 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 15.3 | | # | - | - |
| | C | 0470 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 14.19 | F | # | - | - |
| | C | 0470 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 12.52 | F | # | - | - |
| | C | 0470 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 13.18 | | # | - | - |
| | C | 0470 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 14.54 | | # | - | - |
| | C | 0470 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 15.55 | | # | - | - |
| | C | 0470 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 16.01 | | # | - | - |
| | C | 0470 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 16.32 | | # | - | - |
| | C | 0470 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 16.6 | | # | - | - |
| | C | 0470 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 16.6 | | # | - | - |
| | C | 0470 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 16.54 | | # | - | - |
| | C | 0471 | WL | 04/05/2004 | N001 | 17.00 - 17.00 | 14.2 | F | # | - | - |
| | C | 0471 | WL | 04/05/2004 | N001 | 19.00 - 19.00 | 14.2 | F | # | - | - |
| | C | 0471 | WL | 04/05/2004 | N001 | 14.00 - 14.00 | 15.1 | F | # | - | - |
| | C | 0471 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 17.7 | | # | - | - |
| | C | 0471 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 17.0 | | # | - | - |
| | C | 0471 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 17.50 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0471 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 16.48 | | # | - | - |
| | C | 0471 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 16.72 | | # | - | - |
| | C | 0471 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16.27 | | # | - | - |
| | C | 0471 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 16.18 | | # | - | - |
| | C | 0471 | WL | 01/25/2005 | N001 | 15.00 -15.00 | 13.63 | | # | - | - |
| | C | 0471 | WL | 01/25/2005 | N001 | 19.00 -19.00 | 13.64 | | # | - | - |
| | C | 0471 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 13.85 | | # | - | - |
| | C | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 15.55 | | # | - | - |
| | C | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 15.24 | F | # | - | - |
| | C | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 13.04 | | # | - | - |
| | C | 0471 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 14.21 | | # | - | - |
| | C | 0471 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 15.60 | | # | - | - |
| | C | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 15.99 | | # | - | - |
| | C | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 16.07 | | # | - | - |
| | C | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 16.4 | | # | - | - |
| | C | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 16.5 | | # | - | - |
| | C | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 16.25 | | # | - | - |
| | C | 0472 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 12.8 | F | # | - | - |
| | C | 0472 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 13.6 | F | # | - | - |
| | C | 0472 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 14.7 | F | # | - | - |
| | C | 0472 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 18.8 | | # | - | - |
| | C | 0472 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 18.0 | | # | - | - |
| | C | 0472 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 17.30 | | # | - | - |
| | C | 0472 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 17.32 | | # | - | - |
| | C | 0472 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 16.69 | | # | - | - |
| | C | 0472 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16.63 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0472 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 15.07 | | # | - | - |
| | C | 0472 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 13.74 | | # | - | - |
| | C | 0472 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 12.22 | | # | - | - |
| | C | 0472 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 14.83 | | # | - | - |
| | C | 0472 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 14.82 | F | # | - | - |
| | C | 0472 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 13.06 | | # | - | - |
| | C | 0472 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 14.29 | | # | - | - |
| | C | 0472 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 15.73 | | # | - | - |
| | C | 0472 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 16.05 | | # | - | - |
| | C | 0472 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 16.37 | | # | - | - |
| | C | 0472 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 16.8 | | # | - | - |
| | C | 0472 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 16.9 | | # | - | - |
| | C | 0472 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 16.87 | | # | - | - |
| | C | 0473 | WL | 04/06/2004 | N001 | 14.00 - 14.00 | 15.6 | F | # | - | - |
| | C | 0473 | WL | 04/06/2004 | N001 | 17.00 - 17.00 | 15.8 | F | # | - | - |
| | C | 0473 | WL | 04/06/2004 | N001 | 19.00 - 19.00 | 16.2 | F | # | - | - |
| | C | 0473 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 20.6 | | # | - | - |
| | C | 0473 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 18.1 | | # | - | - |
| | C | 0473 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 18.30 | | # | - | - |
| | C | 0473 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 18.38 | | # | - | - |
| | C | 0473 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 17.65 | | # | - | - |
| | C | 0473 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 17.02 | | # | - | - |
| | C | 0473 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 16.35 | | # | - | - |
| | C | 0473 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 13.69 | | # | - | - |
| | C | 0473 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 14.00 | | # | - | - |
| | C | 0473 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 15.47 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 15.32 | | F # | - | - |
| | C | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 13.33 | | # | - | - |
| | C | 0473 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 14.72 | | # | - | - |
| | C | 0473 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 16.35 | | # | - | - |
| | C | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 17.16 | | # | - | - |
| | C | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 17.52 | | # | - | - |
| | C | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 17.8 | | # | - | - |
| | C | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 17.8 | | # | - | - |
| | C | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 17.74 | | # | - | - |
| | C | 0474 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 16.3 | | F # | - | - |
| | C | 0474 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 16.8 | | F # | - | - |
| | C | 0474 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 17.2 | | F # | - | - |
| | C | 0474 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 18.0 | | # | - | - |
| | C | 0474 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 17.2 | | # | - | - |
| | C | 0474 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 17.40 | | # | - | - |
| | C | 0474 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 19.51 | | # | - | - |
| | C | 0474 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 16.73 | | # | - | - |
| | C | 0474 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16.72 | | # | - | - |
| | C | 0474 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 16.01 | | # | - | - |
| | C | 0474 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 13.72 | | # | - | - |
| | C | 0474 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 13.98 | | # | - | - |
| | C | 0474 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 14.93 | | # | - | - |
| | C | 0474 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 14.66 | | F # | - | - |
| | C | 0474 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 13.90 | | # | - | - |
| | C | 0474 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 15.35 | | # | - | - |
| | C | 0474 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 16.66 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0474 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 17.57 | | # | - | - |
| | C | 0474 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 17.82 | | # | - | - |
| | C | 0474 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 19.2 | | # | - | - |
| | C | 0474 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 17.6 | | # | - | - |
| | C | 0474 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 17.47 | | # | - | - |
| | C | 0475 | WL | 04/06/2004 | N001 | 14.00 - 14.00 | 16.6 | F | # | - | - |
| | C | 0475 | WL | 04/06/2004 | N001 | 17.00 - 17.00 | 16.6 | F | # | - | - |
| | C | 0475 | WL | 04/06/2004 | N001 | 19.00 - 19.00 | 17.0 | F | # | - | - |
| | C | 0475 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 17.8 | | # | - | - |
| | C | 0475 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 17.7 | | # | - | - |
| | C | 0475 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 18.10 | | # | - | - |
| | C | 0475 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 17.60 | | # | - | - |
| | C | 0475 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 16.79 | | # | - | - |
| | C | 0475 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 16.84 | | # | - | - |
| | C | 0475 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 14.86 | | # | - | - |
| | C | 0475 | WL | 01/26/2005 | N001 | 19.00 - 19.00 | 12.49 | | # | - | - |
| | C | 0475 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 11.92 | | # | - | - |
| | C | 0475 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 12.43 | | # | - | - |
| | C | 0475 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 14.97 | | # | - | - |
| | C | 0475 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 13.90 | F | # | - | - |
| | C | 0475 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 14.11 | | # | - | - |
| | C | 0475 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 15.06 | | # | - | - |
| | C | 0475 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 16.10 | | # | - | - |
| | C | 0475 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 16.54 | | # | - | - |
| | C | 0475 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 16.99 | | # | - | - |
| | C | 0475 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 17.8 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0475 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 17.1 | | # | - | - |
| | C | 0475 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 16.97 | | # | - | - |
| | C | 0476 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 17.4 | F | # | - | - |
| | C | 0476 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 17.3 | F | # | - | - |
| | C | 0476 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 17.1 | F | # | - | - |
| | C | 0476 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 18.0 | | # | - | - |
| | C | 0476 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 17.6 | | # | - | - |
| | C | 0476 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 18.00 | | # | - | - |
| | C | 0476 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 18.29 | | # | - | - |
| | C | 0476 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 17.32 | | # | - | - |
| | C | 0476 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 17.47 | | # | - | - |
| | C | 0476 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 16.44 | | # | - | - |
| | C | 0476 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 9.50 | | # | - | - |
| | C | 0476 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 12.72 | | # | - | - |
| | C | 0476 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 12.98 | | # | - | - |
| | C | 0476 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 13.88 | | # | - | - |
| | C | 0476 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 13.51 | F | # | - | - |
| | C | 0476 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 9.70 | F | # | - | - |
| | C | 0476 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 13.42 | | # | - | - |
| | C | 0476 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 14.70 | | # | - | - |
| | C | 0476 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 15.81 | | # | - | - |
| | C | 0476 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 16.04 | | # | - | - |
| | C | 0476 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 16.74 | | # | - | - |
| | C | 0476 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 17.3 | | # | - | - |
| | C | 0476 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 16.92 | | # | - | - |
| | C | 0476 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 16.74 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0477 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 17.4 | | F | # | - | - |
| | C | 0477 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 17.1 | | F | # | - | - |
| | C | 0477 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 17.2 | | F | # | - | - |
| | C | 0477 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 17.2 | | | # | - | - |
| | C | 0477 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 17.2 | | | # | - | - |
| | C | 0477 | WL | 08/04/2004 | N001 | 10.30 -19.70 | 22.10 | | | # | - | - |
| | C | 0477 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 18.26 | | | # | - | - |
| | C | 0477 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 16.90 | | | # | - | - |
| | C | 0477 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 16.94 | | | # | - | - |
| | C | 0477 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 16.30 | | | # | - | - |
| | C | 0477 | WL | 01/26/2005 | N001 | 15.00 -15.00 | 9.02 | | | # | - | - |
| | C | 0477 | WL | 01/26/2005 | N001 | 19.00 -19.00 | 13.03 | | | # | - | - |
| | C | 0477 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 13.15 | | | # | - | - |
| | C | 0477 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 15.03 | | | # | - | - |
| | C | 0477 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 13.44 | | F | # | - | - |
| | C | 0477 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 11.75 | | F | # | - | - |
| | C | 0477 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 12.95 | | | # | - | - |
| | C | 0477 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 14.80 | | | # | - | - |
| | C | 0477 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 15.94 | | | # | - | - |
| | C | 0477 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 16.24 | | | # | - | - |
| | C | 0477 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 16.80 | | | # | - | - |
| | C | 0477 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 17.6 | | | # | - | - |
| | C | 0477 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 17.1 | | | # | - | - |
| | C | 0477 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 17.03 | | | # | - | - |
| | C | 0478 | WL | 04/06/2004 | N001 | 23.00 -23.00 | 16.7 | | F | # | - | - |
| | C | 0478 | WL | 04/06/2004 | N001 | 18.00 -18.00 | 17.4 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0478 | WL | 04/06/2004 | N001 | 13.00 - 13.00 | 18.3 | | F | # | - | - |
| | C | 0478 | WL | 06/03/2004 | N001 | 9.60 - 23.90 | 19.2 | | | # | - | - |
| | C | 0478 | WL | 07/07/2004 | N001 | 9.60 - 23.90 | 19.88 | | F | # | - | - |
| | C | 0478 | WL | 08/03/2004 | N001 | 9.60 - 23.90 | 18.20 | | | # | - | - |
| | C | 0478 | WL | 09/02/2004 | N001 | 9.60 - 23.90 | 18.41 | | | # | - | - |
| | C | 0478 | WL | 10/13/2004 | N001 | 9.60 - 23.90 | 16.91 | | | # | - | - |
| | C | 0478 | WL | 11/18/2004 | N001 | 9.60 - 23.90 | 16.70 | | | # | - | - |
| | C | 0478 | WL | 12/16/2004 | N001 | 9.60 - 23.90 | 16.76 | | | # | - | - |
| | C | 0478 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 12.08 | | | # | - | - |
| | C | 0478 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 12.27 | | | # | - | - |
| | C | 0478 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 13.39 | | | # | - | - |
| | C | 0478 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 13.64 | | | # | - | - |
| | C | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 15.81 | | | # | - | - |
| | C | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 15.37 | | F | # | - | - |
| | C | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 9.76 | | F | # | - | - |
| | C | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 12.87 | | | # | - | - |
| | C | 0478 | WL | 06/23/2005 | N001 | 9.60 - 23.90 | 14.87 | | | # | - | - |
| | C | 0478 | WL | 07/27/2005 | N001 | 9.60 - 23.90 | 15.93 | | | # | - | - |
| | C | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 16.15 | | | # | - | - |
| | C | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 16.53 | | | # | - | - |
| | C | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 17.3 | | | # | - | - |
| | C | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 16.8 | | | # | - | - |
| | C | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 16.69 | | | # | - | - |
| | C | 0479 | WL | 04/07/2004 | N001 | 13.00 - 13.00 | 13.8 | | F | # | - | - |
| | C | 0479 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 14.7 | | F | # | - | - |
| | C | 0479 | WL | 04/07/2004 | N001 | 22.00 - 22.00 | 15.2 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0479 | WL | 06/03/2004 | N001 | 9.30 - 23.60 | 18.1 | | # | - | - |
| | C | 0479 | WL | 07/07/2004 | N001 | 9.30 - 23.60 | 18.1 | | # | - | - |
| | C | 0479 | WL | 08/03/2004 | N001 | 9.30 - 23.60 | 17.50 | | # | - | - |
| | C | 0479 | WL | 09/02/2004 | N001 | 9.30 - 23.60 | 18.95 | | # | - | - |
| | C | 0479 | WL | 10/13/2004 | N001 | 9.30 - 23.60 | 16.74 | | # | - | - |
| | C | 0479 | WL | 11/18/2004 | N001 | 9.30 - 23.60 | 16.78 | | # | - | - |
| | C | 0479 | WL | 12/16/2004 | N001 | 9.30 - 23.60 | 16.19 | | # | - | - |
| | C | 0479 | WL | 01/26/2005 | N001 | 15.00 - 15.00 | 12.23 | | # | - | - |
| | C | 0479 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 12.84 | | # | - | - |
| | C | 0479 | WL | 01/26/2005 | N001 | 24.00 - 24.00 | 12.87 | | # | - | - |
| | C | 0479 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 13.86 | | # | - | - |
| | C | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 15.33 | | # | - | - |
| | C | 0479 | WL | 03/15/2005 | N001 | 9.30 - 23.60 | 14.70 | F | # | - | - |
| | C | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 8.97 | F | # | - | - |
| | C | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 13.04 | | # | - | - |
| | C | 0479 | WL | 06/23/2005 | N001 | 9.30 - 23.60 | 14.40 | | # | - | - |
| | C | 0479 | WL | 07/27/2005 | N001 | 9.30 - 23.60 | 16.11 | | # | - | - |
| | C | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 16.66 | | # | - | - |
| | C | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 17.08 | | # | - | - |
| | C | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 17.5 | | # | - | - |
| | C | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 17.2 | | # | - | - |
| | C | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 16.88 | | # | - | - |
| | C | SMI-PW 02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 12.07 | F | # | - | - |
| | C | SMI-PW 02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 16.47 | | # | - | - |
| | C | SMI-PW 02 | WL | 06/23/2005 | N001 | 20.04 - 60.04 | 16.30 | | # | - | - |
| | C | SMI-PW 02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 18.33 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | SMI-PW 02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 18.69 | | # | - | - |
| | C | SMI-PW 02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 14.8 | F | # | - | - |
| | C | SMI-PW 02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 15.4 | F | # | - | - |
| Total Dissolved Solids | mg/L | 0470 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 21000 | F | # | 400 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 26000 | F | # | 1000 | - |
| | mg/L | 0470 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 22000 | | # | 400 | - |
| | mg/L | 0470 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 24000 | | # | 400 | - |
| | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 21000 | J | # | 1000 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 22000 | | # | 1000 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0002 | 10.30 - 19.70 | 22000 | | # | 1000 | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 18000 | | # | 400 | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 19000 | | # | 400 | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 20000 | | # | 400 | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 - 17.00 | 19000 | | # | 400 | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 21000 | | # | 400 | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 25000 | F | # | 400 | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 5300 | F | # | 200 | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 190 | | # | 40 | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 2500 | | # | 40 | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 12000 | | # | 400 | - |
| | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 15000 | | # | 400 | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 15000 | | # | 400 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 14000 | | # | 400 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 - 19.70 | 14000 | | # | 400 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 15000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 16000 | | # | 400 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 17.00 -17.00 | 20000 | F | # | 400 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 14.00 -14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 19.00 -19.00 | 24000 | F | # | 400 | - |
| | mg/L | 0471 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 20000 | | # | 400 | - |
| | mg/L | 0471 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 26000 | | # | 400 | - |
| | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 26000 | J | # | 1000 | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 26000 | | # | 2000 | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 22000 | | # | 400 | - |
| | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 24000 | | # | 400 | - |
| | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 24000 | | # | 1000 | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 16000 | | # | 400 | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 20000 | | # | 400 | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 28000 | F | # | 400 | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 5600 | F | # | 200 | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 3100 | | # | 80 | - |
| | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 6400 | | # | 200 | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 18000 | | # | 400 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 16000 | | # | 400 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 18000 | F | # | 400 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 20000 | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0472 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 22000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 22000 | | J | # | 1000 | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 23000 | | | # | 1000 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0002 | 10.30 -19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 21000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 20000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 14000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 17000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 22000 | | F | # | 400 | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 4200 | | F | # | 200 | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 2000 | | | # | 80 | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 7000 | | | # | 200 | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 18000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 15000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 14000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 14000 | | | # | 400 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 14000 | | | # | 400 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 25000 | | F | # | 1000 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0473 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0473 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 17000 | | | # | 400 | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 20000 | | J | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 22000 | | # | 1000 | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 15000 | | # | 400 | - |
| | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 13000 | | # | 400 | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 15000 | | # | 400 | - |
| | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 17000 | F | # | 400 | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 6000 | F | # | 200 | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 2600 | | # | 80 | - |
| | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 8100 | | # | 200 | - |
| | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 14000 | | # | 400 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 12000 | | # | 400 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 11000 | | # | 400 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 12000 | | # | 400 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 16000 | F | # | 400 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 25000 | F | # | 1000 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0002 | 14.00 -14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0474 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0474 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 21000 | J | # | 400 | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 22000 | | # | 1000 | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 19000 | | # | 400 | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 20000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 18000 | | # | 400 | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 13000 | | # | 400 | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 13000 | | # | 400 | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 16000 | F | # | 400 | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 8800 | F | # | 200 | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 3500 | | # | 200 | - |
| | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 8700 | | # | 200 | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 20000 | | # | 400 | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 22000 | | # | 400 | - |
| | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 16000 | | # | 400 | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 14000 | | # | 400 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 13000 | | # | 400 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 14000 | | # | 400 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 25000 | F | # | 400 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 18000 | F | # | 400 | - |
| | mg/L | 0475 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0475 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 18000 | | # | 400 | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 20000 | J | # | 400 | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 21000 | | # | 1000 | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 17000 | | # | 400 | - |
| | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 15000 | | # | 400 | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 12000 | | # | 400 | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 13000 | | # | 400 | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 10000 | | # | 400 | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 11000 | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 - 19.70 | 9000 | | F | # | 200 | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 4000 | | | # | 200 | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 9500 | | | # | 200 | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 14000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 12000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 11000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 - 19.70 | 12000 | | | # | 400 | - |
| | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 12000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0476 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 15000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 19000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 - 19.70 | 20000 | | J | # | 400 | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 20000 | | | # | 1000 | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 18000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 12000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 9300 | | | # | 400 | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 12000 | | | # | 400 | - |
| | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 9400 | | | # | 400 | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 11000 | | F | # | 400 | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 7000 | | F | # | 200 | - |
| | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 3700 | | | # | 200 | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 10000 | | | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 18000 | | # | 400 | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 15000 | | # | 400 | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 11000 | | # | 400 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 10000 | | # | 400 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 11000 | | # | 400 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 9800 | | # | 400 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 19.00 - 19.00 | 10000 | F | # | 400 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 14.00 - 14.00 | 14000 | F | # | 400 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 17.00 - 17.00 | 26000 | F | # | 400 | - |
| | mg/L | 0477 | WL | 06/03/2004 | 0001 | 10.30 - 19.70 | 17000 | | # | 400 | - |
| | mg/L | 0477 | WL | 07/07/2004 | 0001 | 10.30 - 19.70 | 18000 | | # | 400 | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 - 19.70 | 18000 | J | # | 400 | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 - 19.70 | 17000 | | # | 1000 | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 - 19.70 | 17000 | | # | 400 | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 - 19.70 | 12000 | | # | 400 | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 - 19.70 | 9900 | | # | 400 | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 - 17.00 | 16000 | | # | 400 | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 - 19.70 | 9400 | | # | 400 | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 - 19.70 | 9900 | F | # | 200 | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 - 19.70 | 6500 | F | # | 200 | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 - 19.70 | 4000 | | # | 200 | - |
| | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 - 19.70 | 12000 | | # | 200 | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 - 19.70 | 18000 | | # | 400 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 - 19.70 | 15000 | | # | 400 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0002 | 10.30 - 19.70 | 15000 | | # | 400 | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 - 19.70 | 13000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 - 19.70 | 13000 | | # | 400 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 - 19.70 | 12000 | | # | 400 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 - 19.70 | 9700 | | # | 400 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 - 19.70 | 10000 | | # | 400 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 13.00 - 13.00 | 15000 | F | # | 400 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 18.00 - 18.00 | 27000 | F | # | 1000 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 23.00 - 23.00 | 28000 | F | # | 1000 | - |
| | mg/L | 0478 | WL | 06/03/2004 | 0001 | 9.60 - 23.90 | 17000 | | # | 400 | - |
| | mg/L | 0478 | WL | 07/07/2004 | 0001 | 9.60 - 23.90 | 32000 | F | # | 1000 | - |
| | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 20000 | J | # | 400 | - |
| | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 21000 | | # | 1000 | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 18000 | | # | 400 | - |
| | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 16000 | | # | 400 | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 13000 | | # | 400 | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 16000 | | # | 400 | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 12000 | | # | 400 | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 11000 | F | # | 400 | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 8700 | F | # | 200 | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 5500 | | # | 200 | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 9700 | | # | 200 | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 18000 | | # | 400 | - |
| | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 17000 | | # | 400 | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 18000 | | # | 400 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 18000 | | # | 400 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 15000 | | # | 400 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 14000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0479 | WL | 04/07/2004 | 0001 | 13.00 - 13.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 26000 | | F | # | 1000 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 22.00 - 22.00 | 31000 | | F | # | 1000 | - |
| | mg/L | 0479 | WL | 06/03/2004 | 0001 | 9.30 - 23.60 | 17000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 07/07/2004 | 0001 | 9.30 - 23.60 | 17000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 18000 | | J | # | 400 | - |
| | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 20000 | | | # | 1000 | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 18000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 14000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 12/16/2004 | 0001 | 9.30 - 23.60 | 9800 | | | # | 400 | - |
| | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 27000 | | | # | 1000 | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 11000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 10000 | | F | # | 400 | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 6100 | | F | # | 200 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 4600 | | | # | 200 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0002 | 9.30 - 23.60 | 4800 | | | # | 80 | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 6300 | | | # | 200 | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 13000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 12000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 15000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0002 | 9.30 - 23.60 | 15000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 14000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 11000 | | | # | 400 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 10000 | | | # | 400 | - |
| | mg/L | SMI-PW 02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 47000 | | F | # | 2000 | - |
| | mg/L | SMI-PW 02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 55000 | | | # | 2000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | SMI-PW 02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 50000 | | # | 2000 | - |
| | mg/L | SMI-PW 02 | WL | 07/27/2005 | 0001 | 20.04 - 60.04 | 50000 | | # | 1000 | - |
| | mg/L | SMI-PW 02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 47000 | | # | 1000 | - |
| | mg/L | SMI-PW 02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 45000 | F | # | 2000 | - |
| | mg/L | SMI-PW 02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 46000 | F | # | 2000 | - |
| Turbidity | NTU | 0470 | WL | 04/05/2004 | N001 | 14.00 - 14.00 | 6.20 | F | # | - | - |
| | NTU | 0470 | WL | 04/05/2004 | N001 | 17.00 - 17.00 | 2.09 | F | # | - | - |
| | NTU | 0470 | WL | 04/05/2004 | N001 | 19.00 - 19.00 | 2.13 | F | # | - | - |
| | NTU | 0470 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 2.26 | | # | - | - |
| | NTU | 0470 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 0.89 | | # | - | - |
| | NTU | 0470 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 1.48 | | # | - | - |
| | NTU | 0470 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 3.93 | | # | - | - |
| | NTU | 0470 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 4.65 | | # | - | - |
| | NTU | 0470 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 4.89 | | # | - | - |
| | NTU | 0470 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 12.8 | | # | - | - |
| | NTU | 0470 | WL | 01/25/2005 | N001 | 17.00 - 17.00 | 2.73 | | # | - | - |
| | NTU | 0470 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 7.93 | | # | - | - |
| | NTU | 0470 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 29.4 | F | # | - | - |
| | NTU | 0470 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 0.92 | F | # | - | - |
| | NTU | 0470 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 2.77 | | # | - | - |
| | NTU | 0470 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 1.52 | | # | - | - |
| | NTU | 0470 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 1.61 | | # | - | - |
| | NTU | 0470 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 0.84 | | # | - | - |
| | NTU | 0470 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 3.41 | | # | - | - |
| | NTU | 0470 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 2.81 | | # | - | - |
| | NTU | 0470 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 1.79 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0470 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.41 | | # | - | - |
| | NTU | 0471 | WL | 04/05/2004 | N001 | 17.00 -17.00 | 1.96 | F | # | - | - |
| | NTU | 0471 | WL | 04/05/2004 | N001 | 19.00 -19.00 | 3.60 | F | # | - | - |
| | NTU | 0471 | WL | 04/05/2004 | N001 | 14.00 -14.00 | 7.93 | F | # | - | - |
| | NTU | 0471 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 3.80 | | # | - | - |
| | NTU | 0471 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 2.24 | | # | - | - |
| | NTU | 0471 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 5.95 | | # | - | - |
| | NTU | 0471 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 3.61 | | # | - | - |
| | NTU | 0471 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 4.08 | | # | - | - |
| | NTU | 0471 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 8.97 | | # | - | - |
| | NTU | 0471 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 4.49 | | # | - | - |
| | NTU | 0471 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 0.68 | | # | - | - |
| | NTU | 0471 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 4.68 | | # | - | - |
| | NTU | 0471 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 9.80 | F | # | - | - |
| | NTU | 0471 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 2.06 | F | # | - | - |
| | NTU | 0471 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 5.82 | | # | - | - |
| | NTU | 0471 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 4.33 | | # | - | - |
| | NTU | 0471 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 0.87 | | # | - | - |
| | NTU | 0471 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 0.79 | | # | - | - |
| | NTU | 0471 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 2.45 | | # | - | - |
| | NTU | 0471 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.19 | | # | - | - |
| | NTU | 0471 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 1.39 | | # | - | - |
| | NTU | 0471 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.91 | | # | - | - |
| | NTU | 0472 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 0.96 | F | # | - | - |
| | NTU | 0472 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 2.00 | F | # | - | - |
| | NTU | 0472 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 4.48 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0472 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 2.88 | | # | - | - |
| | NTU | 0472 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 2.01 | | # | - | - |
| | NTU | 0472 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 2.92 | | # | - | - |
| | NTU | 0472 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 15.1 | | # | - | - |
| | NTU | 0472 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 1.29 | | # | - | - |
| | NTU | 0472 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 1.40 | | # | - | - |
| | NTU | 0472 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 10.3 | | # | - | - |
| | NTU | 0472 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 1.16 | | # | - | - |
| | NTU | 0472 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 5.57 | | # | - | - |
| | NTU | 0472 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 5.28 | F | # | - | - |
| | NTU | 0472 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 0.95 | F | # | - | - |
| | NTU | 0472 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 4.97 | | # | - | - |
| | NTU | 0472 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 1.85 | | # | - | - |
| | NTU | 0472 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 0.73 | | # | - | - |
| | NTU | 0472 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 1.37 | | # | - | - |
| | NTU | 0472 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 2.44 | | # | - | - |
| | NTU | 0472 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.74 | | # | - | - |
| | NTU | 0472 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 2.41 | | # | - | - |
| | NTU | 0472 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.78 | | # | - | - |
| | NTU | 0473 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 2.23 | F | # | - | - |
| | NTU | 0473 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 1.54 | F | # | - | - |
| | NTU | 0473 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 1.89 | F | # | - | - |
| | NTU | 0473 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 3.62 | | # | - | - |
| | NTU | 0473 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 3.29 | | # | - | - |
| | NTU | 0473 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 2.55 | | # | - | - |
| | NTU | 0473 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 1.47 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0473 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 0.81 | | # | - | - |
| | NTU | 0473 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 0.96 | | # | - | - |
| | NTU | 0473 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 2.30 | | # | - | - |
| | NTU | 0473 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 3.85 | | # | - | - |
| | NTU | 0473 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 1.43 | | # | - | - |
| | NTU | 0473 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 1.85 | F | # | - | - |
| | NTU | 0473 | WL | 04/28/2005 | N001 | 10.30 -19.70 | 1.16 | F | # | - | - |
| | NTU | 0473 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 6.19 | | # | - | - |
| | NTU | 0473 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 1.18 | | # | - | - |
| | NTU | 0473 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 2.05 | | # | - | - |
| | NTU | 0473 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 1.90 | | # | - | - |
| | NTU | 0473 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 3.32 | | # | - | - |
| | NTU | 0473 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 1.29 | | # | - | - |
| | NTU | 0473 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 1.46 | | # | - | - |
| | NTU | 0473 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.60 | | # | - | - |
| | NTU | 0474 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 2.71 | F | # | - | - |
| | NTU | 0474 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 3.74 | F | # | - | - |
| | NTU | 0474 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 1.21 | F | # | - | - |
| | NTU | 0474 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 1.44 | | # | - | - |
| | NTU | 0474 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 1.59 | | # | - | - |
| | NTU | 0474 | WL | 08/03/2004 | N001 | 10.30 -19.70 | 0.85 | | # | - | - |
| | NTU | 0474 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 0.97 | | # | - | - |
| | NTU | 0474 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 1.95 | | # | - | - |
| | NTU | 0474 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 1.30 | | # | - | - |
| | NTU | 0474 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 2.69 | | # | - | - |
| | NTU | 0474 | WL | 01/25/2005 | N001 | 17.00 -17.00 | 5.74 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0474 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 1.08 | | # | - | - |
| | NTU | 0474 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 2.17 | F | # | - | - |
| | NTU | 0474 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 1.36 | F | # | - | - |
| | NTU | 0474 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 2.90 | | # | - | - |
| | NTU | 0474 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 2.64 | | # | - | - |
| | NTU | 0474 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 2.11 | | # | - | - |
| | NTU | 0474 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 1.19 | | # | - | - |
| | NTU | 0474 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 1.59 | | # | - | - |
| | NTU | 0474 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 1.09 | | # | - | - |
| | NTU | 0474 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 1.12 | | # | - | - |
| | NTU | 0474 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 0.81 | | # | - | - |
| | NTU | 0475 | WL | 04/06/2004 | N001 | 19.00 - 19.00 | 0.64 | F | # | - | - |
| | NTU | 0475 | WL | 04/06/2004 | N001 | 17.00 - 17.00 | 2.11 | F | # | - | - |
| | NTU | 0475 | WL | 04/06/2004 | N001 | 14.00 - 14.00 | 3.16 | F | # | - | - |
| | NTU | 0475 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 5.39 | | # | - | - |
| | NTU | 0475 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 2.35 | | # | - | - |
| | NTU | 0475 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 2.01 | | # | - | - |
| | NTU | 0475 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 18.9 | | # | - | - |
| | NTU | 0475 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 0.87 | | # | - | - |
| | NTU | 0475 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 3.34 | | # | - | - |
| | NTU | 0475 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 5.97 | | # | - | - |
| | NTU | 0475 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 0.95 | | # | - | - |
| | NTU | 0475 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 1.43 | | # | - | - |
| | NTU | 0475 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 0.91 | F | # | - | - |
| | NTU | 0475 | WL | 04/28/2005 | N001 | 10.30 - 19.70 | 0.98 | F | # | - | - |
| | NTU | 0475 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 4.49 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0475 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 1.58 | | # | - | - |
| | NTU | 0475 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 2.17 | | # | - | - |
| | NTU | 0475 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 1.94 | | # | - | - |
| | NTU | 0475 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 1.34 | | # | - | - |
| | NTU | 0475 | WL | 10/13/2005 | N001 | 10.30 - 19.70 | 2.74 | | # | - | - |
| | NTU | 0475 | WL | 11/10/2005 | N001 | 10.30 - 19.70 | 1.25 | | # | - | - |
| | NTU | 0475 | WL | 12/05/2005 | N001 | 10.30 - 19.70 | 1.03 | | # | - | - |
| | NTU | 0476 | WL | 04/06/2004 | N001 | 17.00 - 17.00 | 0.91 | F | # | - | - |
| | NTU | 0476 | WL | 04/06/2004 | N001 | 14.00 - 14.00 | 2.43 | F | # | - | - |
| | NTU | 0476 | WL | 04/06/2004 | N001 | 19.00 - 19.00 | 3.29 | F | # | - | - |
| | NTU | 0476 | WL | 06/03/2004 | N001 | 10.30 - 19.70 | 1.63 | | # | - | - |
| | NTU | 0476 | WL | 07/07/2004 | N001 | 10.30 - 19.70 | 4.39 | | # | - | - |
| | NTU | 0476 | WL | 08/03/2004 | N001 | 10.30 - 19.70 | 1.12 | | # | - | - |
| | NTU | 0476 | WL | 09/02/2004 | N001 | 10.30 - 19.70 | 1.46 | | # | - | - |
| | NTU | 0476 | WL | 10/13/2004 | N001 | 10.30 - 19.70 | 1.42 | | # | - | - |
| | NTU | 0476 | WL | 11/18/2004 | N001 | 10.30 - 19.70 | 2.25 | | # | - | - |
| | NTU | 0476 | WL | 12/16/2004 | N001 | 10.30 - 19.70 | 3.50 | | # | - | - |
| | NTU | 0476 | WL | 01/26/2005 | N001 | 17.00 - 17.00 | 2.02 | | # | - | - |
| | NTU | 0476 | WL | 02/23/2005 | N001 | 10.30 - 19.70 | 4.92 | | # | - | - |
| | NTU | 0476 | WL | 03/15/2005 | N001 | 10.30 - 19.70 | 2.18 | F | # | - | - |
| | NTU | 0476 | WL | 04/27/2005 | N001 | 10.30 - 19.70 | 0.80 | F | # | - | - |
| | NTU | 0476 | WL | 05/25/2005 | N001 | 10.30 - 19.70 | 2.41 | | # | - | - |
| | NTU | 0476 | WL | 06/23/2005 | N001 | 10.30 - 19.70 | 2.26 | | # | - | - |
| | NTU | 0476 | WL | 07/27/2005 | N001 | 10.30 - 19.70 | 4.96 | | # | - | - |
| | NTU | 0476 | WL | 08/25/2005 | N001 | 10.30 - 19.70 | 1.13 | | # | - | - |
| | NTU | 0476 | WL | 09/29/2005 | N001 | 10.30 - 19.70 | 1.18 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0476 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 0.68 | | # | - | - |
| | NTU | 0476 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 2.65 | | # | - | - |
| | NTU | 0476 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.85 | | # | - | - |
| | NTU | 0477 | WL | 04/06/2004 | N001 | 17.00 -17.00 | 1.02 | F | # | - | - |
| | NTU | 0477 | WL | 04/06/2004 | N001 | 19.00 -19.00 | 1.53 | F | # | - | - |
| | NTU | 0477 | WL | 04/06/2004 | N001 | 14.00 -14.00 | 3.62 | F | # | - | - |
| | NTU | 0477 | WL | 06/03/2004 | N001 | 10.30 -19.70 | 2.20 | | # | - | - |
| | NTU | 0477 | WL | 07/07/2004 | N001 | 10.30 -19.70 | 1.50 | | # | - | - |
| | NTU | 0477 | WL | 08/04/2004 | N001 | 10.30 -19.70 | 1.16 | | # | - | - |
| | NTU | 0477 | WL | 09/02/2004 | N001 | 10.30 -19.70 | 1.88 | | # | - | - |
| | NTU | 0477 | WL | 10/13/2004 | N001 | 10.30 -19.70 | 4.60 | | # | - | - |
| | NTU | 0477 | WL | 11/18/2004 | N001 | 10.30 -19.70 | 2.79 | | # | - | - |
| | NTU | 0477 | WL | 12/16/2004 | N001 | 10.30 -19.70 | 0.73 | | # | - | - |
| | NTU | 0477 | WL | 01/26/2005 | N001 | 17.00 -17.00 | 2.04 | | # | - | - |
| | NTU | 0477 | WL | 02/23/2005 | N001 | 10.30 -19.70 | 3.36 | | # | - | - |
| | NTU | 0477 | WL | 03/15/2005 | N001 | 10.30 -19.70 | 1.10 | F | # | - | - |
| | NTU | 0477 | WL | 04/27/2005 | N001 | 10.30 -19.70 | 0.96 | F | # | - | - |
| | NTU | 0477 | WL | 05/25/2005 | N001 | 10.30 -19.70 | 2.24 | | # | - | - |
| | NTU | 0477 | WL | 06/23/2005 | N001 | 10.30 -19.70 | 2.21 | | # | - | - |
| | NTU | 0477 | WL | 07/27/2005 | N001 | 10.30 -19.70 | 1.34 | | # | - | - |
| | NTU | 0477 | WL | 08/25/2005 | N001 | 10.30 -19.70 | 1.00 | | # | - | - |
| | NTU | 0477 | WL | 09/29/2005 | N001 | 10.30 -19.70 | 1.70 | | # | - | - |
| | NTU | 0477 | WL | 10/13/2005 | N001 | 10.30 -19.70 | 0.70 | | # | - | - |
| | NTU | 0477 | WL | 11/10/2005 | N001 | 10.30 -19.70 | 0.89 | | # | - | - |
| | NTU | 0477 | WL | 12/05/2005 | N001 | 10.30 -19.70 | 0.96 | | # | - | - |
| | NTU | 0478 | WL | 04/06/2004 | N001 | 13.00 -13.00 | 3.75 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0478 | WL | 04/06/2004 | N001 | 18.00 - 18.00 | 1.11 | | F | # | - | - |
| | NTU | 0478 | WL | 04/06/2004 | N001 | 23.00 - 23.00 | 2.21 | | F | # | - | - |
| | NTU | 0478 | WL | 06/03/2004 | N001 | 9.60 - 23.90 | 6.82 | | | # | - | - |
| | NTU | 0478 | WL | 07/07/2004 | N001 | 9.60 - 23.90 | 2.20 | | F | # | - | - |
| | NTU | 0478 | WL | 08/03/2004 | N001 | 9.60 - 23.90 | 1.78 | | | # | - | - |
| | NTU | 0478 | WL | 09/02/2004 | N001 | 9.60 - 23.90 | 6.37 | | | # | - | - |
| | NTU | 0478 | WL | 10/13/2004 | N001 | 9.60 - 23.90 | 2.16 | | | # | - | - |
| | NTU | 0478 | WL | 11/18/2004 | N001 | 9.60 - 23.90 | 2.22 | | | # | - | - |
| | NTU | 0478 | WL | 12/16/2004 | N001 | 9.60 - 23.90 | 4.03 | | | # | - | - |
| | NTU | 0478 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 4.51 | | | # | - | - |
| | NTU | 0478 | WL | 02/23/2005 | N001 | 9.60 - 23.90 | 2.55 | | | # | - | - |
| | NTU | 0478 | WL | 03/15/2005 | N001 | 9.60 - 23.90 | 0.66 | | F | # | - | - |
| | NTU | 0478 | WL | 04/27/2005 | N001 | 9.60 - 23.90 | 0.59 | | F | # | - | - |
| | NTU | 0478 | WL | 05/25/2005 | N001 | 9.60 - 23.90 | 2.57 | | | # | - | - |
| | NTU | 0478 | WL | 06/23/2005 | N001 | 9.60 - 23.90 | 2.43 | | | # | - | - |
| | NTU | 0478 | WL | 07/27/2005 | N001 | 9.60 - 23.90 | 1.88 | | | # | - | - |
| | NTU | 0478 | WL | 08/25/2005 | N001 | 9.60 - 23.90 | 0.88 | | | # | - | - |
| | NTU | 0478 | WL | 09/29/2005 | N001 | 9.60 - 23.90 | 7.29 | | | # | - | - |
| | NTU | 0478 | WL | 10/13/2005 | N001 | 9.60 - 23.90 | 0.77 | | | # | - | - |
| | NTU | 0478 | WL | 11/10/2005 | N001 | 9.60 - 23.90 | 2.63 | | | # | - | - |
| | NTU | 0478 | WL | 12/05/2005 | N001 | 9.60 - 23.90 | 0.48 | | | # | - | - |
| | NTU | 0479 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 0.88 | | F | # | - | - |
| | NTU | 0479 | WL | 04/07/2004 | N001 | 22.00 - 22.00 | 1.08 | | F | # | - | - |
| | NTU | 0479 | WL | 04/07/2004 | N001 | 13.00 - 13.00 | 3.79 | | F | # | - | - |
| | NTU | 0479 | WL | 06/03/2004 | N001 | 9.30 - 23.60 | 4.13 | | | # | - | - |
| | NTU | 0479 | WL | 07/07/2004 | N001 | 9.30 - 23.60 | 8.36 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0479 | WL | 08/03/2004 | N001 | 9.30 - 23.60 | 5.16 | | # | - | - |
| | NTU | 0479 | WL | 09/02/2004 | N001 | 9.30 - 23.60 | 2.73 | | # | - | - |
| | NTU | 0479 | WL | 10/13/2004 | N001 | 9.30 - 23.60 | 1.04 | | # | - | - |
| | NTU | 0479 | WL | 11/18/2004 | N001 | 9.30 - 23.60 | 1.55 | | # | - | - |
| | NTU | 0479 | WL | 12/16/2004 | N001 | 9.30 - 23.60 | 0.82 | | # | - | - |
| | NTU | 0479 | WL | 01/26/2005 | N001 | 20.00 - 20.00 | 2.28 | | # | - | - |
| | NTU | 0479 | WL | 02/23/2005 | N001 | 9.30 - 23.60 | 0.48 | | # | - | - |
| | NTU | 0479 | WL | 04/27/2005 | N001 | 9.30 - 23.60 | 2.34 | F | # | - | - |
| | NTU | 0479 | WL | 05/25/2005 | N001 | 9.30 - 23.60 | 1.73 | | # | - | - |
| | NTU | 0479 | WL | 06/23/2005 | N001 | 9.30 - 23.60 | 3.57 | | # | - | - |
| | NTU | 0479 | WL | 07/27/2005 | N001 | 9.30 - 23.60 | 1.81 | | # | - | - |
| | NTU | 0479 | WL | 08/25/2005 | N001 | 9.30 - 23.60 | 0.54 | | # | - | - |
| | NTU | 0479 | WL | 09/29/2005 | N001 | 9.30 - 23.60 | 1.08 | | # | - | - |
| | NTU | 0479 | WL | 10/13/2005 | N001 | 9.30 - 23.60 | 0.61 | | # | - | - |
| | NTU | 0479 | WL | 11/10/2005 | N001 | 9.30 - 23.60 | 1.43 | | # | - | - |
| | NTU | 0479 | WL | 12/05/2005 | N001 | 9.30 - 23.60 | 0.90 | | # | - | - |
| | NTU | SMI-PW02 | WL | 04/28/2005 | N001 | 20.04 - 60.04 | 1.35 | F | # | - | - |
| | NTU | SMI-PW02 | WL | 05/25/2005 | N001 | 20.04 - 60.04 | 2.68 | | # | - | - |
| | NTU | SMI-PW02 | WL | 06/23/2005 | N001 | 20.04 - 60.04 | 1.38 | | # | - | - |
| | NTU | SMI-PW02 | WL | 07/27/2005 | N001 | 20.04 - 60.04 | 2.63 | | # | - | - |
| | NTU | SMI-PW02 | WL | 08/25/2005 | N001 | 20.04 - 60.04 | 1.01 | | # | - | - |
| | NTU | SMI-PW02 | WL | 11/11/2005 | N001 | 20.04 - 60.04 | 0.79 | F | # | - | - |
| | NTU | SMI-PW02 | WL | 12/06/2005 | N001 | 20.04 - 60.04 | 0.63 | F | # | - | - |
| Uranium | mg/L | 0470 | WL | 04/05/2004 | 0001 | 19.00 - 19.00 | 3.300 | F | # | 0.00069 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 14.00 - 14.00 | 3.400 | F | # | 0.00069 | - |
| | mg/L | 0470 | WL | 04/05/2004 | 0001 | 17.00 - 17.00 | 3.900 | F | # | 0.00069 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0470 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.400 | | | # | 0.00028 | - |
| | mg/L | 0470 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.00069 | - |
| | mg/L | 0470 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.0012 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.0012 | - |
| | mg/L | 0470 | WL | 09/02/2004 | 0002 | 10.30 -19.70 | 2.700 | | | # | 0.0012 | - |
| | mg/L | 0470 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.100 | | J | # | 0.00083 | - |
| | mg/L | 0470 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.200 | E | | # | 0.00083 | - |
| | mg/L | 0470 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2.500 | E | | # | 0.00083 | - |
| | mg/L | 0470 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 4.600 | | | # | 0.00046 | - |
| | mg/L | 0470 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 3.200 | | | # | 0.00046 | - |
| | mg/L | 0470 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2.700 | | F | # | 0.00046 | - |
| | mg/L | 0470 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 0.530 | | F | # | 0.00022 | - |
| | mg/L | 0470 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.470 | | | # | 2.2E-05 | - |
| | mg/L | 0470 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 0.560 | | | # | 0.00011 | - |
| | mg/L | 0470 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 1.600 | | | # | 0.00038 | - |
| | mg/L | 0470 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2.200 | | | # | 0.00038 | - |
| | mg/L | 0470 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00048 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00024 | - |
| | mg/L | 0470 | WL | 10/13/2005 | 0002 | 10.30 -19.70 | 2.000 | | | # | 0.00024 | - |
| | mg/L | 0470 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.200 | | | # | 0.00048 | - |
| | mg/L | 0470 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.200 | | | # | 0.00024 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 17.00 -17.00 | 4.000 | | F | # | 0.00069 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 14.00 -14.00 | 3.400 | | F | # | 0.00069 | - |
| | mg/L | 0471 | WL | 04/05/2004 | 0001 | 19.00 -19.00 | 3.500 | | F | # | 0.00069 | - |
| | mg/L | 0471 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.300 | | | # | 0.00028 | - |
| | mg/L | 0471 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00069 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0471 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.0012 | - |
| | mg/L | 0471 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.0012 | - |
| | mg/L | 0471 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.000 | | J | # | 0.00083 | - |
| | mg/L | 0471 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.000 | | | # | 0.00083 | - |
| | mg/L | 0471 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00083 | - |
| | mg/L | 0471 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 4.000 | | | # | 0.00046 | - |
| | mg/L | 0471 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.00046 | - |
| | mg/L | 0471 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2.300 | | F | # | 0.00046 | - |
| | mg/L | 0471 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 0.510 | | F | # | 2.2E-05 | - |
| | mg/L | 0471 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.590 | | | # | 2.2E-05 | - |
| | mg/L | 0471 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 0.800 | | | # | 4.5E-05 | - |
| | mg/L | 0471 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00038 | - |
| | mg/L | 0471 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00038 | - |
| | mg/L | 0471 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.400 | | | # | 0.00048 | - |
| | mg/L | 0471 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00024 | - |
| | mg/L | 0471 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0471 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00024 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 3.300 | | F | # | 0.00069 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.900 | | F | # | 0.00069 | - |
| | mg/L | 0472 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 4.000 | | F | # | 0.00069 | - |
| | mg/L | 0472 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.200 | | | # | 0.00028 | - |
| | mg/L | 0472 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00069 | - |
| | mg/L | 0472 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.0012 | - |
| | mg/L | 0472 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.0012 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 1.900 | | J | # | 0.00083 | - |
| | mg/L | 0472 | WL | 10/13/2004 | 0002 | 10.30 -19.70 | 2.100 | | J | # | 0.00083 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0472 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.400 | | | # | 0.00083 | - |
| | mg/L | 0472 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00083 | - |
| | mg/L | 0472 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 3.100 | | | # | 0.00046 | - |
| | mg/L | 0472 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00046 | - |
| | mg/L | 0472 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2.100 | | F | # | 0.00046 | - |
| | mg/L | 0472 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 0.680 | | F | # | 0.00022 | - |
| | mg/L | 0472 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.530 | | | # | 2.2E-05 | - |
| | mg/L | 0472 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 0.960 | | | # | 0.00011 | - |
| | mg/L | 0472 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00038 | - |
| | mg/L | 0472 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.00038 | - |
| | mg/L | 0472 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0472 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00024 | - |
| | mg/L | 0472 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00048 | - |
| | mg/L | 0472 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.300 | | | # | 0.00024 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 3.000 | | F | # | 0.00069 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.000 | | F | # | 0.00069 | - |
| | mg/L | 0473 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3.700 | | F | # | 0.00069 | - |
| | mg/L | 0473 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.100 | | | # | 0.00028 | - |
| | mg/L | 0473 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00069 | - |
| | mg/L | 0473 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.0012 | - |
| | mg/L | 0473 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 3.100 | | | # | 0.0012 | - |
| | mg/L | 0473 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.300 | | J | # | 0.00083 | - |
| | mg/L | 0473 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.00083 | - |
| | mg/L | 0473 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00083 | - |
| | mg/L | 0473 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 3.100 | | | # | 0.00046 | - |
| | mg/L | 0473 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 2.300 | | | # | 0.00046 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0473 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 2.400 | | F | # | 0.00046 | - |
| | mg/L | 0473 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 0.890 | | F | # | 0.00022 | - |
| | mg/L | 0473 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.480 | | | # | 0.00011 | - |
| | mg/L | 0473 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 1.200 | | | # | 0.00011 | - |
| | mg/L | 0473 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.00075 | - |
| | mg/L | 0473 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 3.500 | | | # | 0.00038 | - |
| | mg/L | 0473 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.400 | | | # | 0.00048 | - |
| | mg/L | 0473 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.300 | | | # | 0.00048 | - |
| | mg/L | 0473 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.400 | | | # | 0.00048 | - |
| | mg/L | 0473 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.400 | | | # | 0.00024 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2.800 | | F | # | 0.00069 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.100 | | F | # | 0.00069 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3.300 | | F | # | 0.00069 | - |
| | mg/L | 0474 | WL | 04/06/2004 | 0002 | 14.00 -14.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0474 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.00028 | - |
| | mg/L | 0474 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.00069 | - |
| | mg/L | 0474 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 3.100 | | | # | 0.0012 | - |
| | mg/L | 0474 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 3.500 | | | # | 0.0012 | - |
| | mg/L | 0474 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.300 | | J | # | 0.00083 | - |
| | mg/L | 0474 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.00083 | - |
| | mg/L | 0474 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00083 | - |
| | mg/L | 0474 | WL | 01/25/2005 | 0001 | 17.00 -17.00 | 2.700 | | | # | 0.00046 | - |
| | mg/L | 0474 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 1.900 | | | # | 0.00046 | - |
| | mg/L | 0474 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 1.900 | | F | # | 0.00046 | - |
| | mg/L | 0474 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 0.960 | | F | # | 0.00022 | - |
| | mg/L | 0474 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.520 | | | # | 0.00011 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0474 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 1.300 | | | # | 0.00011 | - |
| | mg/L | 0474 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3.700 | | | # | 0.00075 | - |
| | mg/L | 0474 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 3.900 | | | # | 0.00038 | - |
| | mg/L | 0474 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00048 | - |
| | mg/L | 0474 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.500 | | | # | 0.00048 | - |
| | mg/L | 0474 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.00048 | - |
| | mg/L | 0474 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00024 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3.200 | | F | # | 0.00069 | - |
| | mg/L | 0475 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.200 | | F | # | 0.00069 | - |
| | mg/L | 0475 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.00028 | - |
| | mg/L | 0475 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.00069 | - |
| | mg/L | 0475 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 3.100 | | | # | 0.0012 | - |
| | mg/L | 0475 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 3.200 | | | # | 0.0012 | - |
| | mg/L | 0475 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.300 | | J | # | 0.00083 | - |
| | mg/L | 0475 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00083 | - |
| | mg/L | 0475 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 1.900 | | | # | 0.00083 | - |
| | mg/L | 0475 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 2.700 | | | # | 0.00046 | - |
| | mg/L | 0475 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 1.400 | | | # | 0.00046 | - |
| | mg/L | 0475 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 1.600 | | F | # | 0.00046 | - |
| | mg/L | 0475 | WL | 04/28/2005 | 0001 | 10.30 -19.70 | 1.100 | | F | # | 0.00022 | - |
| | mg/L | 0475 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.730 | | | # | 0.00011 | - |
| | mg/L | 0475 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 1.600 | | | # | 0.00011 | - |
| | mg/L | 0475 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3.900 | | | # | 0.00075 | - |
| | mg/L | 0475 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 3.300 | | | # | 0.00038 | - |
| | mg/L | 0475 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.300 | | | # | 0.00048 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0475 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.200 | | # | 0.00048 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.500 | | # | 0.00048 | - |
| | mg/L | 0475 | WL | 11/10/2005 | 0002 | 10.30 -19.70 | 2.300 | | # | 0.00048 | - |
| | mg/L | 0475 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.300 | | # | 0.00024 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2.700 | F | # | 0.00069 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3.000 | F | # | 0.00069 | - |
| | mg/L | 0476 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.300 | F | # | 0.00069 | - |
| | mg/L | 0476 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.100 | | # | 0.00028 | - |
| | mg/L | 0476 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 3.200 | | # | 0.00069 | - |
| | mg/L | 0476 | WL | 08/03/2004 | 0001 | 10.30 -19.70 | 3.200 | | # | 0.0012 | - |
| | mg/L | 0476 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 3.100 | | # | 0.0012 | - |
| | mg/L | 0476 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.200 | J | # | 0.00083 | - |
| | mg/L | 0476 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 1.800 | | # | 0.00083 | - |
| | mg/L | 0476 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 1.500 | | # | 0.00083 | - |
| | mg/L | 0476 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 1.900 | | # | 0.00046 | - |
| | mg/L | 0476 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 1.300 | | # | 0.00046 | - |
| | mg/L | 0476 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 1.600 | F | # | 0.00046 | - |
| | mg/L | 0476 | WL | 04/27/2005 | 0001 | 10.30 -19.70 | 0.850 | F | # | 0.00022 | - |
| | mg/L | 0476 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.680 | | # | 0.00011 | - |
| | mg/L | 0476 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 2.000 | | # | 0.00011 | - |
| | mg/L | 0476 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3.700 | | # | 0.00075 | - |
| | mg/L | 0476 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2.700 | | # | 0.00038 | - |
| | mg/L | 0476 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.100 | | # | 0.00048 | - |
| | mg/L | 0476 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 1.900 | | # | 0.00048 | - |
| | mg/L | 0476 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.300 | | # | 0.00048 | - |
| | mg/L | 0476 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 1.800 | | # | 0.00024 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0477 | WL | 04/06/2004 | 0001 | 14.00 -14.00 | 2.600 | | F | # | 0.00069 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 17.00 -17.00 | 3.200 | | F | # | 0.00069 | - |
| | mg/L | 0477 | WL | 04/06/2004 | 0001 | 19.00 -19.00 | 3.200 | | F | # | 0.00069 | - |
| | mg/L | 0477 | WL | 06/03/2004 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.00028 | - |
| | mg/L | 0477 | WL | 07/07/2004 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.00069 | - |
| | mg/L | 0477 | WL | 08/04/2004 | 0001 | 10.30 -19.70 | 3.000 | | | # | 0.0012 | - |
| | mg/L | 0477 | WL | 09/02/2004 | 0001 | 10.30 -19.70 | 2.900 | | | # | 0.0012 | - |
| | mg/L | 0477 | WL | 10/13/2004 | 0001 | 10.30 -19.70 | 2.300 | | J | # | 0.00083 | - |
| | mg/L | 0477 | WL | 11/18/2004 | 0001 | 10.30 -19.70 | 2.000 | | | # | 0.00083 | - |
| | mg/L | 0477 | WL | 12/16/2004 | 0001 | 10.30 -19.70 | 1.600 | | | # | 0.00083 | - |
| | mg/L | 0477 | WL | 01/26/2005 | 0001 | 17.00 -17.00 | 1.800 | | | # | 0.00046 | - |
| | mg/L | 0477 | WL | 02/23/2005 | 0001 | 10.30 -19.70 | 1.400 | | | # | 0.00046 | - |
| | mg/L | 0477 | WL | 03/15/2005 | 0001 | 10.30 -19.70 | 1.400 | | F | # | 0.00046 | - |
| | mg/L | 0477 | WL | 04/27/2005 | 0001 | 10.30 -19.70 | 0.840 | | F | # | 0.00011 | - |
| | mg/L | 0477 | WL | 05/25/2005 | 0001 | 10.30 -19.70 | 0.590 | | | # | 0.00011 | - |
| | mg/L | 0477 | WL | 06/23/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00011 | - |
| | mg/L | 0477 | WL | 07/27/2005 | 0001 | 10.30 -19.70 | 3.100 | | | # | 0.00075 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0001 | 10.30 -19.70 | 2.800 | | | # | 0.00038 | - |
| | mg/L | 0477 | WL | 08/25/2005 | 0002 | 10.30 -19.70 | 3.100 | | | # | 0.00038 | - |
| | mg/L | 0477 | WL | 09/29/2005 | 0001 | 10.30 -19.70 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0477 | WL | 10/13/2005 | 0001 | 10.30 -19.70 | 2.200 | | | # | 0.00024 | - |
| | mg/L | 0477 | WL | 11/10/2005 | 0001 | 10.30 -19.70 | 2.700 | | | # | 0.00048 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0001 | 10.30 -19.70 | 2.100 | | | # | 0.00024 | - |
| | mg/L | 0477 | WL | 12/05/2005 | 0002 | 10.30 -19.70 | 2.000 | | | # | 0.00024 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 13.00 -13.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0478 | WL | 04/06/2004 | 0001 | 18.00 -18.00 | 3.200 | | F | # | 0.00069 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0478 | WL | 04/06/2004 | 0001 | 23.00 - 23.00 | 3.200 | | F | # | 0.00069 | - |
| | mg/L | 0478 | WL | 06/03/2004 | 0001 | 9.60 - 23.90 | 2.900 | | | # | 0.00028 | - |
| | mg/L | 0478 | WL | 07/07/2004 | 0001 | 9.60 - 23.90 | 2.700 | | F | # | 0.00069 | - |
| | mg/L | 0478 | WL | 08/03/2004 | 0001 | 9.60 - 23.90 | 2.800 | | | # | 0.0012 | - |
| | mg/L | 0478 | WL | 09/02/2004 | 0001 | 9.60 - 23.90 | 2.800 | | | # | 0.0012 | - |
| | mg/L | 0478 | WL | 10/13/2004 | 0001 | 9.60 - 23.90 | 2.200 | | J | # | 0.00083 | - |
| | mg/L | 0478 | WL | 11/18/2004 | 0001 | 9.60 - 23.90 | 1.900 | | | # | 0.00083 | - |
| | mg/L | 0478 | WL | 12/16/2004 | 0001 | 9.60 - 23.90 | 2.000 | | | # | 0.00083 | - |
| | mg/L | 0478 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 1.100 | | | # | 9.1E-05 | - |
| | mg/L | 0478 | WL | 02/23/2005 | 0001 | 9.60 - 23.90 | 1.300 | | | # | 0.00046 | - |
| | mg/L | 0478 | WL | 03/15/2005 | 0001 | 9.60 - 23.90 | 1.300 | | F | # | 0.00046 | - |
| | mg/L | 0478 | WL | 04/27/2005 | 0001 | 9.60 - 23.90 | 1.100 | | F | # | 0.00011 | - |
| | mg/L | 0478 | WL | 05/25/2005 | 0001 | 9.60 - 23.90 | 0.730 | | | # | 0.00011 | - |
| | mg/L | 0478 | WL | 06/23/2005 | 0001 | 9.60 - 23.90 | 1.600 | | | # | 0.00011 | - |
| | mg/L | 0478 | WL | 07/27/2005 | 0001 | 9.60 - 23.90 | 2.700 | | | # | 0.00038 | - |
| | mg/L | 0478 | WL | 08/25/2005 | 0001 | 9.60 - 23.90 | 2.800 | | | # | 0.00038 | - |
| | mg/L | 0478 | WL | 09/29/2005 | 0001 | 9.60 - 23.90 | 2.900 | | | # | 0.00048 | - |
| | mg/L | 0478 | WL | 10/13/2005 | 0001 | 9.60 - 23.90 | 2.900 | | | # | 0.00048 | - |
| | mg/L | 0478 | WL | 11/10/2005 | 0001 | 9.60 - 23.90 | 2.700 | | | # | 0.00048 | - |
| | mg/L | 0478 | WL | 12/05/2005 | 0001 | 9.60 - 23.90 | 2.500 | | | # | 0.00024 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 22.00 - 22.00 | 2.500 | | F | # | 0.00069 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 13.00 - 13.00 | 2.800 | | F | # | 0.00069 | - |
| | mg/L | 0479 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 3.300 | | F | # | 0.00069 | - |
| | mg/L | 0479 | WL | 06/03/2004 | 0001 | 9.30 - 23.60 | 3.000 | | | # | 0.00028 | - |
| | mg/L | 0479 | WL | 07/07/2004 | 0001 | 9.30 - 23.60 | 2.700 | | | # | 0.00069 | - |
| | mg/L | 0479 | WL | 08/03/2004 | 0001 | 9.30 - 23.60 | 2.600 | | | # | 0.0012 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0479 | WL | 09/02/2004 | 0001 | 9.30 - 23.60 | 2.700 | | | # | 0.0012 | - |
| | mg/L | 0479 | WL | 10/13/2004 | 0001 | 9.30 - 23.60 | 2.300 | | J | # | 0.00083 | - |
| | mg/L | 0479 | WL | 11/18/2004 | 0001 | 9.30 - 23.60 | 1.500 | | | # | 0.00083 | - |
| | mg/L | 0479 | WL | 12/16/2004 | 0001 | 9.30 - 23.60 | 1.200 | | | # | 0.00083 | - |
| | mg/L | 0479 | WL | 01/26/2005 | 0001 | 20.00 - 20.00 | 1.200 | | | # | 0.00046 | - |
| | mg/L | 0479 | WL | 02/23/2005 | 0001 | 9.30 - 23.60 | 1.300 | | | # | 0.00046 | - |
| | mg/L | 0479 | WL | 03/15/2005 | 0001 | 9.30 - 23.60 | 1.200 | | F | # | 0.00046 | - |
| | mg/L | 0479 | WL | 04/27/2005 | 0001 | 9.30 - 23.60 | 0.690 | | F | # | 0.00022 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0001 | 9.30 - 23.60 | 0.720 | | | # | 0.00011 | - |
| | mg/L | 0479 | WL | 05/25/2005 | 0002 | 9.30 - 23.60 | 0.680 | | | # | 4.5E-05 | - |
| | mg/L | 0479 | WL | 06/23/2005 | 0001 | 9.30 - 23.60 | 0.900 | | | # | 0.00011 | - |
| | mg/L | 0479 | WL | 07/27/2005 | 0001 | 9.30 - 23.60 | 1.900 | | | # | 0.00038 | - |
| | mg/L | 0479 | WL | 08/25/2005 | 0001 | 9.30 - 23.60 | 2.000 | | | # | 0.00038 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0001 | 9.30 - 23.60 | 2.800 | | | # | 0.00048 | - |
| | mg/L | 0479 | WL | 09/29/2005 | 0002 | 9.30 - 23.60 | 2.800 | | | # | 0.00048 | - |
| | mg/L | 0479 | WL | 10/13/2005 | 0001 | 9.30 - 23.60 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0479 | WL | 11/10/2005 | 0001 | 9.30 - 23.60 | 2.000 | | | # | 0.00048 | - |
| | mg/L | 0479 | WL | 12/05/2005 | 0001 | 9.30 - 23.60 | 1.800 | | | # | 0.00024 | - |
| | mg/L | SMI-PW 02 | WL | 04/28/2005 | 0001 | 20.04 - 60.04 | 2.000 | | F | # | 0.00022 | - |
| | mg/L | SMI-PW 02 | WL | 05/25/2005 | 0001 | 20.04 - 60.04 | 1.800 | | | # | 0.00011 | - |
| | mg/L | SMI-PW 02 | WL | 06/23/2005 | 0001 | 20.04 - 60.04 | 2.000 | | | # | 0.00011 | - |
| | mg/L | SMI-PW 02 | WL | 07/27/2005 | 0001 | 20.04 - 60.04 | 2.200 | | | # | 0.00038 | - |
| | mg/L | SMI-PW 02 | WL | 08/25/2005 | 0001 | 20.04 - 60.04 | 2.300 | | | # | 0.00038 | - |
| | mg/L | SMI-PW 02 | WL | 11/11/2005 | 0001 | 20.04 - 60.04 | 2.400 | | F | # | 0.00024 | - |
| | mg/L | SMI-PW 02 | WL | 12/06/2005 | 0001 | 20.04 - 60.04 | 2.400 | | F | # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 11:25 am

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0470','0471','0472','0473','0474','0475','0476','0477','0478','0479','SMI-PW 02') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 502 | | F # | - | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 855 | | F # | - | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 518 | | F # | - | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 524 | | # | - | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 555 | | # | - | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 552 | | # | - | - |
| | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 495 | | # | - | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 582 | | F # | - | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 506 | | F # | - | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 492 | | F # | - | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 447 | | # | - | - |
| | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 489 | | # | - | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 456 | | # | - | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 - 23.00 | 550 | | F # | - | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 - 16.00 | 690 | | F # | - | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 - 29.00 | 554 | | F # | - | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 577 | | # | - | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 652 | | # | - | - |
| | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 647 | | # | - | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 591 | | # | - | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 - 30.00 | 92 | | F # | - | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 560 | | F # | - | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 625 | | F # | - | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 638 | | F # | - | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 576 | | # | - | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 563 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 574 | | # | - | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 618 | F | # | - | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 667 | F | # | - | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 830 | F | # | - | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 850 | | # | - | - |
| | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 672 | | # | - | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 670 | | # | - | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 710 | | # | - | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 - 39.00 | 647 | F | # | - | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 - 33.00 | 669 | F | # | - | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 718 | F | # | - | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 671 | | # | - | - |
| | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 644 | | # | - | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 693 | | # | - | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 - 23.00 | 929 | F | # | - | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 - 29.00 | 809 | F | # | - | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 - 16.00 | 879 | F | # | - | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 881 | | # | - | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 854 | | # | - | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 818 | | # | - | - |
| | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 806 | | # | - | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 732 | F | # | - | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 942 | F | # | - | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 1052 | F | # | - | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 846 | | # | - | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 732 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 124 | | F | # | - | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 990 | | F | # | - | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 1073 | | F | # | - | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 1090 | | F | # | - | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 977 | | | # | - | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 922 | | | # | - | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 828 | | | # | - | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 802 | | | # | - | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 907 | | F | # | - | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 948 | | F | # | - | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 1125 | | F | # | - | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 898 | | | # | - | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 766 | | | # | - | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 701 | | | # | - | - |
| Ammonia Total as N | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 510 | | F | # | 50 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 1700 | | | # | 50 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0002 | 15.00 - 30.00 | 1600 | | | # | 50 | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 1600 | | | # | 50 | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 1500 | | | # | 50 | - |
| | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 1400 | | | # | 50 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 1600 | | F | # | 50 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 1600 | | F | # | 50 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 1600 | | | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 -40.00 | 1500 | | | # | 50 | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 -40.00 | 1400 | | | # | 50 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 -16.00 | 970 | | F | # | 50 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 -23.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 -29.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 1100 | | | # | 50 | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 940 | | | # | 50 | - |
| | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 1100 | | | # | 50 | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 -30.00 | 1100 | | | # | 50 | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 -30.00 | 0.1 | U | F | # | 0.1 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 -39.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 -26.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 -33.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 -40.00 | 1200 | | | # | 50 | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 -40.00 | 1200 | | | # | 50 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 -40.00 | 1200 | | | # | 50 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0002 | 25.00 -40.00 | 1200 | | | # | 50 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 -16.00 | 710 | | F | # | 50 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 -23.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 -29.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 710 | | | # | 50 | - |
| | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 870 | | | # | 50 | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 960 | | | # | 50 | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 -30.00 | 930 | | | # | 20 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 -26.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 -39.00 | 1200 | | F | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 - 33.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 1200 | | | # | 50 | - |
| | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 1100 | | | # | 50 | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 1100 | | | # | 50 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 - 16.00 | 520 | | F | # | 50 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 - 23.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 - 29.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0002 | 29.00 - 29.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 1100 | | | # | 50 | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 990 | | | # | 50 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 930 | | | # | 50 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0002 | 15.00 - 30.00 | 980 | | | # | 50 | - |
| | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 880 | | | # | 20 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 960 | | F | # | 50 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 990 | | | # | 50 | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 1000 | | | # | 20 | - |
| | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 0.1 | U | F | # | 0.1 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 840 | | F | # | 50 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 820 | | | # | 50 | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 740 | | | # | 50 | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 700 | | | # | 50 | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 680 | | | # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 620 | | F # | 50 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 1100 | | F # | 50 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 700 | | F # | 50 | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 760 | | # | 50 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 760 | | # | 50 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0002 | 25.00 - 40.00 | 750 | | # | 50 | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 760 | | # | 20 | - |
| Chloride | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 28000 | | F # | 1000 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 29000 | | F # | 1000 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 2300 | | F # | 40 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 24000 | | # | 400 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0002 | 15.00 - 30.00 | 23000 | | # | 400 | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 18000 | | # | 200 | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 23000 | | # | 400 | - |
| | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 21000 | | # | 400 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 30000 | | F # | 1000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 27000 | | F # | 1000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 33000 | | F # | 1000 | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 30000 | | # | 400 | - |
| | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 38000 | | # | 1000 | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 31000 | | # | 400 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 - 16.00 | 12000 | | F # | 200 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 - 23.00 | 21000 | | F # | 400 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 - 29.00 | 23000 | | F # | 400 | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 18000 | | # | 200 | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 14000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 17000 | | | # | 200 | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 20000 | | | # | 200 | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 - 30.00 | 26 | | F | # | 1 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 27000 | | F | # | 400 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 21000 | | | # | 400 | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 22000 | | | # | 400 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 25000 | | | # | 400 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0002 | 25.00 - 40.00 | 26000 | | | # | 400 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 6300 | | F | # | 100 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 6900 | | | # | 100 | - |
| | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 12000 | | | # | 200 | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 14000 | | | # | 200 | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 14000 | | | # | 200 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 - 39.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 - 33.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 21000 | | | # | 400 | - |
| | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 22000 | | | # | 400 | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 20000 | | | # | 200 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 - 16.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 - 23.00 | 8300 | | F | # | 100 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 - 29.00 | 13000 | | F | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0576 | WL | 08/06/2004 | 0002 | 29.00 - 29.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 9600 | | | # | 100 | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 8500 | | | # | 100 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 9500 | | | # | 100 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0002 | 15.00 - 30.00 | 11000 | | | # | 200 | - |
| | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 9600 | | | # | 100 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 3900 | | F | # | 40 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 9000 | | F | # | 100 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 16000 | | F | # | 200 | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 13000 | | | # | 200 | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 23000 | | | # | 400 | - |
| | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 27 | | F | # | 1 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 2500 | | F | # | 40 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 3200 | | F | # | 40 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 2900 | | F | # | 40 | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 3600 | | | # | 100 | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 3300 | | | # | 100 | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 4200 | | | # | 100 | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 4800 | | | # | 100 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 2600 | | F | # | 40 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 2900 | | F | # | 40 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 2400 | | F | # | 40 | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 8600 | | | # | 100 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 12000 | | | # | 200 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0002 | 25.00 - 40.00 | 12000 | | | # | 200 | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 15000 | | | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 5.87 | | F | # | - | - |
| | mg/L | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 5.62 | | F | # | - | - |
| Oxidation Reduction Potent | mV | 0570 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 117.2 | | | # | - | - |
| | mV | 0570 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 124.1 | | | # | - | - |
| | mV | 0570 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 172.1 | | | # | - | - |
| | mV | 0570 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 165.1 | | | # | - | - |
| | mV | 0571 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 147.0 | | | # | - | - |
| | mV | 0571 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 171.6 | | | # | - | - |
| | mV | 0571 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 174.9 | | | # | - | - |
| | mV | 0572 | WL | 08/17/2004 | N001 | 29.00 - 29.00 | 40.0 | | F | # | - | - |
| | mV | 0572 | WL | 08/17/2004 | N001 | 16.00 - 16.00 | 75.0 | | F | # | - | - |
| | mV | 0572 | WL | 08/17/2004 | N001 | 23.00 - 23.00 | 79.3 | | F | # | - | - |
| | mV | 0572 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 147.7 | | | # | - | - |
| | mV | 0572 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 148.7 | | | # | - | - |
| | mV | 0572 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 155.8 | | | # | - | - |
| | mV | 0572 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 156.0 | | | # | - | - |
| | mV | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 162 | | F | # | - | - |
| | mV | 0573 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 15.5 | | F | # | - | - |
| | mV | 0573 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 31.1 | | F | # | - | - |
| | mV | 0573 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 45.9 | | F | # | - | - |
| | mV | 0573 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 160.6 | | | # | - | - |
| | mV | 0573 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 174.4 | | | # | - | - |
| | mV | 0573 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 150.7 | | | # | - | - |
| | mV | 0574 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 142.8 | | F | # | - | - |
| | mV | 0574 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 143.9 | | F | # | - | - |
| | mV | 0574 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 159.9 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0574 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 98 | | # | - | - |
| | mV | 0574 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 150.3 | | # | - | - |
| | mV | 0574 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 87.4 | | # | - | - |
| | mV | 0574 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 127.6 | | # | - | - |
| | mV | 0575 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 127.8 | F | # | - | - |
| | mV | 0575 | WL | 08/18/2004 | N001 | 39.00 - 39.00 | 128.4 | F | # | - | - |
| | mV | 0575 | WL | 08/18/2004 | N001 | 33.00 - 33.00 | 139.9 | F | # | - | - |
| | mV | 0575 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 135 | | # | - | - |
| | mV | 0575 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 148.3 | | # | - | - |
| | mV | 0575 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 162.8 | | # | - | - |
| | mV | 0576 | WL | 08/06/2004 | N001 | 16.00 - 16.00 | 124.0 | F | # | - | - |
| | mV | 0576 | WL | 08/06/2004 | N001 | 23.00 - 23.00 | 48.2 | F | # | - | - |
| | mV | 0576 | WL | 08/06/2004 | N001 | 29.00 - 29.00 | 35.1 | F | # | - | - |
| | mV | 0576 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 128 | | # | - | - |
| | mV | 0576 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 139.2 | | # | - | - |
| | mV | 0576 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 65.1 | | # | - | - |
| | mV | 0576 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 142.7 | | # | - | - |
| | mV | 0577 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 50.6 | F | # | - | - |
| | mV | 0577 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 49.8 | F | # | - | - |
| | mV | 0577 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 32.0 | F | # | - | - |
| | mV | 0577 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 128 | | # | - | - |
| | mV | 0577 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 179.7 | | # | - | - |
| | mV | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 170 | F | # | - | - |
| | mV | 0578 | WL | 08/05/2004 | N001 | 29.00 - 29.00 | 115.3 | F | # | - | - |
| | mV | 0578 | WL | 08/05/2004 | N001 | 16.00 - 16.00 | 158.7 | F | # | - | - |
| | mV | 0578 | WL | 08/05/2004 | N001 | 23.00 - 23.00 | 120.8 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0578 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 94 | | # | - | - |
| | mV | 0578 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 105.8 | | # | - | - |
| | mV | 0578 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 97.0 | | # | - | - |
| | mV | 0578 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 127.4 | | # | - | - |
| | mV | 0579 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 167.7 | F | # | - | - |
| | mV | 0579 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 131.9 | F | # | - | - |
| | mV | 0579 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 78.6 | F | # | - | - |
| | mV | 0579 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 119 | | # | - | - |
| | mV | 0579 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 134.9 | | # | - | - |
| | mV | 0579 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 169.3 | | # | - | - |
| pH | s.u. | 0570 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 6.71 | F | # | - | - |
| | s.u. | 0570 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 6.75 | F | # | - | - |
| | s.u. | 0570 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 6.70 | F | # | - | - |
| | s.u. | 0570 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 6.65 | | # | - | - |
| | s.u. | 0570 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 6.71 | | # | - | - |
| | s.u. | 0570 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 6.74 | | # | - | - |
| | s.u. | 0570 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 6.68 | | # | - | - |
| | s.u. | 0571 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 6.60 | F | # | - | - |
| | s.u. | 0571 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 6.67 | F | # | - | - |
| | s.u. | 0571 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 6.70 | F | # | - | - |
| | s.u. | 0571 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 6.87 | | # | - | - |
| | s.u. | 0571 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 6.67 | | # | - | - |
| | s.u. | 0571 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 6.68 | | # | - | - |
| | s.u. | 0572 | WL | 08/17/2004 | N001 | 23.00 - 23.00 | 6.69 | F | # | - | - |
| | s.u. | 0572 | WL | 08/17/2004 | N001 | 16.00 - 16.00 | 6.70 | F | # | - | - |
| | s.u. | 0572 | WL | 08/17/2004 | N001 | 29.00 - 29.00 | 6.67 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0572 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 6.74 | | # | - | - |
| | s.u. | 0572 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 6.93 | | # | - | - |
| | s.u. | 0572 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 6.81 | | # | - | - |
| | s.u. | 0572 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 6.68 | | # | - | - |
| | s.u. | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 7.62 | F | # | - | - |
| | s.u. | 0573 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 6.66 | F | # | - | - |
| | s.u. | 0573 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 6.69 | F | # | - | - |
| | s.u. | 0573 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 6.70 | F | # | - | - |
| | s.u. | 0573 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 6.78 | | # | - | - |
| | s.u. | 0573 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 6.85 | | # | - | - |
| | s.u. | 0573 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 6.76 | | # | - | - |
| | s.u. | 0574 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 6.81 | F | # | - | - |
| | s.u. | 0574 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 6.69 | F | # | - | - |
| | s.u. | 0574 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 6.78 | F | # | - | - |
| | s.u. | 0574 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 6.86 | | # | - | - |
| | s.u. | 0574 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 7.31 | | # | - | - |
| | s.u. | 0574 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 7.31 | | # | - | - |
| | s.u. | 0574 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 7.11 | | # | - | - |
| | s.u. | 0575 | WL | 08/18/2004 | N001 | 39.00 - 39.00 | 6.72 | F | # | - | - |
| | s.u. | 0575 | WL | 08/18/2004 | N001 | 33.00 - 33.00 | 6.76 | F | # | - | - |
| | s.u. | 0575 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 6.77 | F | # | - | - |
| | s.u. | 0575 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 6.86 | | # | - | - |
| | s.u. | 0575 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 6.83 | | # | - | - |
| | s.u. | 0575 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 6.75 | | # | - | - |
| | s.u. | 0576 | WL | 08/06/2004 | N001 | 23.00 - 23.00 | 6.86 | F | # | - | - |
| | s.u. | 0576 | WL | 08/06/2004 | N001 | 29.00 - 29.00 | 6.83 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0576 | WL | 08/06/2004 | N001 | 16.00 -16.00 | 6.76 | | F | # | - | - |
| | s.u. | 0576 | WL | 09/03/2004 | N001 | 15.00 -30.00 | 6.82 | | | # | - | - |
| | s.u. | 0576 | WL | 09/14/2004 | N001 | 15.00 -30.00 | 6.87 | | | # | - | - |
| | s.u. | 0576 | WL | 09/22/2004 | N001 | 15.00 -30.00 | 6.87 | | | # | - | - |
| | s.u. | 0576 | WL | 10/05/2004 | N001 | 15.00 -30.00 | 6.77 | | | # | - | - |
| | s.u. | 0577 | WL | 08/05/2004 | N001 | 39.00 -39.00 | 6.81 | | F | # | - | - |
| | s.u. | 0577 | WL | 08/05/2004 | N001 | 33.00 -33.00 | 6.84 | | F | # | - | - |
| | s.u. | 0577 | WL | 08/05/2004 | N001 | 26.00 -26.00 | 6.88 | | F | # | - | - |
| | s.u. | 0577 | WL | 09/03/2004 | N001 | 25.00 -40.00 | 6.82 | | | # | - | - |
| | s.u. | 0577 | WL | 10/05/2004 | N001 | 25.00 -40.00 | 6.72 | | | # | - | - |
| | s.u. | 0577 | WL | 04/26/2005 | N001 | 25.00 -40.00 | 7.65 | | F | # | - | - |
| | s.u. | 0578 | WL | 08/05/2004 | N001 | 16.00 -16.00 | 6.82 | | F | # | - | - |
| | s.u. | 0578 | WL | 08/05/2004 | N001 | 23.00 -23.00 | 6.84 | | F | # | - | - |
| | s.u. | 0578 | WL | 08/05/2004 | N001 | 29.00 -29.00 | 6.85 | | F | # | - | - |
| | s.u. | 0578 | WL | 09/03/2004 | N001 | 15.00 -30.00 | 6.83 | | | # | - | - |
| | s.u. | 0578 | WL | 09/14/2004 | N001 | 15.00 -30.00 | 6.89 | | | # | - | - |
| | s.u. | 0578 | WL | 09/22/2004 | N001 | 15.00 -30.00 | 6.90 | | | # | - | - |
| | s.u. | 0578 | WL | 10/05/2004 | N001 | 15.00 -30.00 | 6.78 | | | # | - | - |
| | s.u. | 0579 | WL | 08/05/2004 | N001 | 26.00 -26.00 | 6.79 | | F | # | - | - |
| | s.u. | 0579 | WL | 08/05/2004 | N001 | 33.00 -33.00 | 6.81 | | F | # | - | - |
| | s.u. | 0579 | WL | 08/05/2004 | N001 | 39.00 -39.00 | 6.86 | | F | # | - | - |
| | s.u. | 0579 | WL | 09/03/2004 | N001 | 25.00 -40.00 | 6.83 | | | # | - | - |
| | s.u. | 0579 | WL | 09/13/2004 | N001 | 25.00 -40.00 | 6.79 | | | # | - | - |
| | s.u. | 0579 | WL | 10/05/2004 | N001 | 25.00 -40.00 | 6.73 | | | # | - | - |
| Specific Conductance | umhos/cm | 0570 | WL | 08/18/2004 | N001 | 16.00 -16.00 | 19230 | | F | # | - | - |
| | umhos/cm | 0570 | WL | 08/18/2004 | N001 | 29.00 -29.00 | 75061 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0570 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 69877 | | F | # | - | - |
| | umhos/cm | 0570 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 59259 | | | # | - | - |
| | umhos/cm | 0570 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 56583 | | | # | - | - |
| | umhos/cm | 0570 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 49034 | | | # | - | - |
| | umhos/cm | 0570 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 44305 | | | # | - | - |
| | umhos/cm | 0571 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 75769 | | F | # | - | - |
| | umhos/cm | 0571 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 82740 | | F | # | - | - |
| | umhos/cm | 0571 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 88435 | | F | # | - | - |
| | umhos/cm | 0571 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 59621 | | | # | - | - |
| | umhos/cm | 0571 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 63630 | | | # | - | - |
| | umhos/cm | 0571 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 79710 | | | # | - | - |
| | umhos/cm | 0572 | WL | 08/17/2004 | N001 | 29.00 - 29.00 | 62420 | | F | # | - | - |
| | umhos/cm | 0572 | WL | 08/17/2004 | N001 | 16.00 - 16.00 | 39744 | | F | # | - | - |
| | umhos/cm | 0572 | WL | 08/17/2004 | N001 | 23.00 - 23.00 | 55360 | | F | # | - | - |
| | umhos/cm | 0572 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 49523 | | | # | - | - |
| | umhos/cm | 0572 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 42950 | | | # | - | - |
| | umhos/cm | 0572 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 40839 | | | # | - | - |
| | umhos/cm | 0572 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 50174 | | | # | - | - |
| | umhos/cm | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 486 | | F | # | - | - |
| | umhos/cm | 0573 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 55630 | | F | # | - | - |
| | umhos/cm | 0573 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 63666 | | F | # | - | - |
| | umhos/cm | 0573 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 66592 | | F | # | - | - |
| | umhos/cm | 0573 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 56109 | | | # | - | - |
| | umhos/cm | 0573 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 55046 | | | # | - | - |
| | umhos/cm | 0573 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 69401 | | | # | - | - |
| | umhos/cm | 0574 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 26630 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0574 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 56030 | | F | # | - | - |
| | umhos/cm | 0574 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 58430 | | F | # | - | - |
| | umhos/cm | 0574 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 24800 | | | # | - | - |
| | umhos/cm | 0574 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 36352 | | | # | - | - |
| | umhos/cm | 0574 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 38370 | | | # | - | - |
| | umhos/cm | 0574 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 47515 | | | # | - | - |
| | umhos/cm | 0575 | WL | 08/18/2004 | N001 | 33.00 - 33.00 | 56086 | | F | # | - | - |
| | umhos/cm | 0575 | WL | 08/18/2004 | N001 | 39.00 - 39.00 | 63816 | | F | # | - | - |
| | umhos/cm | 0575 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 55006 | | F | # | - | - |
| | umhos/cm | 0575 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 56100 | | | # | - | - |
| | umhos/cm | 0575 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 52219 | | | # | - | - |
| | umhos/cm | 0575 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 59650 | | | # | - | - |
| | umhos/cm | 0576 | WL | 08/06/2004 | N001 | 16.00 - 16.00 | 18470 | | F | # | - | - |
| | umhos/cm | 0576 | WL | 08/06/2004 | N001 | 23.00 - 23.00 | 40058 | | F | # | - | - |
| | umhos/cm | 0576 | WL | 08/06/2004 | N001 | 29.00 - 29.00 | 49312 | | F | # | - | - |
| | umhos/cm | 0576 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 36650 | | | # | - | - |
| | umhos/cm | 0576 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 30832 | | | # | - | - |
| | umhos/cm | 0576 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 30325 | | | # | - | - |
| | umhos/cm | 0576 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 36521 | | | # | - | - |
| | umhos/cm | 0577 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 41282 | | F | # | - | - |
| | umhos/cm | 0577 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 56044 | | F | # | - | - |
| | umhos/cm | 0577 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 31608 | | F | # | - | - |
| | umhos/cm | 0577 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 41330 | | | # | - | - |
| | umhos/cm | 0577 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 63827 | | | # | - | - |
| | umhos/cm | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 463 | | F | # | - | - |
| | umhos/cm | 0578 | WL | 08/05/2004 | N001 | 29.00 - 29.00 | 29929 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0578 | WL | 08/05/2004 | N001 | 16.00 - 16.00 | 24024 | | F | # | - | - |
| | umhos/cm | 0578 | WL | 08/05/2004 | N001 | 23.00 - 23.00 | 27880 | | F | # | - | - |
| | umhos/cm | 0578 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 23400 | | | # | - | - |
| | umhos/cm | 0578 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 22047 | | | # | - | - |
| | umhos/cm | 0578 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 21018 | | | # | - | - |
| | umhos/cm | 0578 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 26050 | | | # | - | - |
| | umhos/cm | 0579 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 21502 | | F | # | - | - |
| | umhos/cm | 0579 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 22970 | | F | # | - | - |
| | umhos/cm | 0579 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 28791 | | F | # | - | - |
| | umhos/cm | 0579 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 34530 | | | # | - | - |
| | umhos/cm | 0579 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 37881 | | | # | - | - |
| | umhos/cm | 0579 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 47975 | | | # | - | - |
| Sulfate | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 8800 | | F | # | 500 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 7400 | | F | # | 100 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 8800 | | F | # | 500 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 8800 | | | # | 500 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0002 | 15.00 - 30.00 | 8900 | | | # | 500 | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 7300 | | | # | 500 | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 9000 | | | # | 500 | - |
| | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 8200 | | | # | 1000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 11000 | | F | # | 500 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 8900 | | F | # | 500 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 8700 | | F | # | 500 | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 8500 | | | # | 500 | - |
| | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 8200 | | | # | 500 | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 7900 | | | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 -16.00 | 8700 | | F | # | 250 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 -23.00 | 8700 | | F | # | 250 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 -29.00 | 9100 | | F | # | 250 | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 8500 | | | # | 500 | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 8700 | | | # | 250 | - |
| | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 8200 | | | # | 500 | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 -30.00 | 8600 | | | # | 500 | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 -30.00 | 83 | | F | # | 2.5 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 -39.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 -26.00 | 9100 | | F | # | 250 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 -33.00 | 9600 | | F | # | 250 | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 -40.00 | 8900 | | | # | 500 | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 -40.00 | 8900 | | | # | 500 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 -40.00 | 8700 | | | # | 1000 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0002 | 25.00 -40.00 | 8600 | | | # | 1000 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 -16.00 | 8100 | | F | # | 250 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 -23.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 -29.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 7900 | | | # | 250 | - |
| | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 8800 | | | # | 250 | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 9100 | | | # | 250 | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 -30.00 | 12000 | | | # | 500 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 -26.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 -39.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 -33.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 -40.00 | 9100 | | | # | 500 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 9400 | | # | 500 | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 9500 | | # | 1000 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 - 16.00 | 7600 | F | # | 100 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 - 29.00 | 11000 | F | # | 250 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 - 23.00 | 12000 | F | # | 250 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0002 | 29.00 - 29.00 | 11000 | F | # | 250 | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 10000 | | # | 250 | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 11000 | | # | 250 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 10000 | | # | 250 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0002 | 15.00 - 30.00 | 10000 | | # | 250 | - |
| | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 10000 | | # | 250 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 9900 | F | # | 250 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 12000 | F | # | 250 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 13000 | F | # | 100 | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 11000 | | # | 250 | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 9400 | | # | 1000 | - |
| | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 83 | F | # | 2.5 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 11000 | F | # | 100 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 12000 | F | # | 100 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 13000 | F | # | 100 | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 10000 | | # | 250 | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 9700 | | # | 250 | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 9100 | | # | 250 | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 8900 | | # | 250 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 8900 | F | # | 100 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 9500 | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 13000 | F | # | 100 | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 9600 | | # | 250 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 9500 | | # | 250 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0002 | 25.00 - 40.00 | 9700 | | # | 250 | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 9000 | | # | 500 | - |
| Temperature | C | 0570 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 16.55 | F | # | - | - |
| | C | 0570 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 16.86 | F | # | - | - |
| | C | 0570 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 17.44 | F | # | - | - |
| | C | 0570 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 17.63 | | # | - | - |
| | C | 0570 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 17.71 | | # | - | - |
| | C | 0570 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 18.55 | | # | - | - |
| | C | 0570 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 16.57 | | # | - | - |
| | C | 0571 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 17.37 | F | # | - | - |
| | C | 0571 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 19.78 | F | # | - | - |
| | C | 0571 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 17.30 | F | # | - | - |
| | C | 0571 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 17.62 | | # | - | - |
| | C | 0571 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 16.86 | | # | - | - |
| | C | 0571 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 16.61 | | # | - | - |
| | C | 0572 | WL | 08/17/2004 | N001 | 29.00 - 29.00 | 17.46 | F | # | - | - |
| | C | 0572 | WL | 08/17/2004 | N001 | 23.00 - 23.00 | 17.83 | F | # | - | - |
| | C | 0572 | WL | 08/17/2004 | N001 | 16.00 - 16.00 | 18.88 | F | # | - | - |
| | C | 0572 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 16.90 | | # | - | - |
| | C | 0572 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 17.39 | | # | - | - |
| | C | 0572 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 17.99 | | # | - | - |
| | C | 0572 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 17.67 | | # | - | - |
| | C | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 15.04 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0573 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 17.26 | | F | # | - | - |
| | C | 0573 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 18.18 | | F | # | - | - |
| | C | 0573 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 19.38 | | F | # | - | - |
| | C | 0573 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 16.50 | | | # | - | - |
| | C | 0573 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 17.13 | | | # | - | - |
| | C | 0573 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 16.86 | | | # | - | - |
| | C | 0574 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 18.26 | | F | # | - | - |
| | C | 0574 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 18.38 | | F | # | - | - |
| | C | 0574 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 18.22 | | F | # | - | - |
| | C | 0574 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 16.6 | | | # | - | - |
| | C | 0574 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 17.49 | | | # | - | - |
| | C | 0574 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 17.34 | | | # | - | - |
| | C | 0574 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 18.21 | | | # | - | - |
| | C | 0575 | WL | 08/18/2004 | N001 | 33.00 - 33.00 | 18.33 | | F | # | - | - |
| | C | 0575 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 19.51 | | F | # | - | - |
| | C | 0575 | WL | 08/18/2004 | N001 | 39.00 - 39.00 | 17.64 | | F | # | - | - |
| | C | 0575 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 16.80 | | | # | - | - |
| | C | 0575 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 17.03 | | | # | - | - |
| | C | 0575 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 17.33 | | | # | - | - |
| | C | 0576 | WL | 08/06/2004 | N001 | 16.00 - 16.00 | 16.9 | | F | # | - | - |
| | C | 0576 | WL | 08/06/2004 | N001 | 23.00 - 23.00 | 17.2 | | F | # | - | - |
| | C | 0576 | WL | 08/06/2004 | N001 | 29.00 - 29.00 | 17.4 | | F | # | - | - |
| | C | 0576 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 18.4 | | | # | - | - |
| | C | 0576 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 18.18 | | | # | - | - |
| | C | 0576 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 18.76 | | | # | - | - |
| | C | 0576 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 18.74 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0577 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 19.8 | | F | # | - | - |
| | C | 0577 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 22.4 | | F | # | - | - |
| | C | 0577 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 23.1 | | F | # | - | - |
| | C | 0577 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 16.40 | | | # | - | - |
| | C | 0577 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 15.52 | | | # | - | - |
| | C | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 14.46 | | F | # | - | - |
| | C | 0578 | WL | 08/05/2004 | N001 | 16.00 - 16.00 | 23.8 | | F | # | - | - |
| | C | 0578 | WL | 08/05/2004 | N001 | 29.00 - 29.00 | 22.6 | | F | # | - | - |
| | C | 0578 | WL | 08/05/2004 | N001 | 23.00 - 23.00 | 23.1 | | F | # | - | - |
| | C | 0578 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 17.7 | | | # | - | - |
| | C | 0578 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 18.57 | | | # | - | - |
| | C | 0578 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 17.73 | | | # | - | - |
| | C | 0578 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 18.82 | | | # | - | - |
| | C | 0579 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 18.7 | | F | # | - | - |
| | C | 0579 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 18.9 | | F | # | - | - |
| | C | 0579 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 19.5 | | F | # | - | - |
| | C | 0579 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 16.9 | | | # | - | - |
| | C | 0579 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 17.03 | | | # | - | - |
| | C | 0579 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 15.61 | | | # | - | - |
| Total Dissolved Solids | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 55000 | | F | # | 2000 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 56000 | | F | # | 2000 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 44000 | | | # | 2000 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0002 | 15.00 - 30.00 | 45000 | | | # | 2000 | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 47000 | | | # | 1000 | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 44000 | | | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 41000 | | # | 1000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 52000 | F | # | 2000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 57000 | F | # | 2000 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 61000 | F | # | 2000 | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 55000 | | # | 2000 | - |
| | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 66000 | | # | 2000 | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 59000 | | # | 2000 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 - 16.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 - 23.00 | 43000 | F | # | 1000 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 - 29.00 | 48000 | F | # | 1000 | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 40000 | | # | 1000 | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 35000 | | # | 1000 | - |
| | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 38000 | | # | 1000 | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 40000 | | # | 1000 | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 - 30.00 | 280 | F | # | 20 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 40000 | F | # | 1000 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 46000 | F | # | 1000 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 53000 | F | # | 1000 | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 48000 | | # | 1000 | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 47000 | | # | 1000 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 49000 | | # | 1000 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0002 | 25.00 - 40.00 | 49000 | | # | 1000 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 40000 | F | # | 1000 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 41000 | F | # | 1000 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 21000 | F | # | 400 | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 21000 | | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 31000 | | # | 1000 | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 34000 | | # | 1000 | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 34000 | | # | 1000 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 - 33.00 | 42000 | F | # | 1000 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 39000 | F | # | 1000 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 - 39.00 | 48000 | F | # | 1000 | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 46000 | | # | 1000 | - |
| | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 46000 | | # | 1000 | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 42000 | | # | 1000 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 - 16.00 | 14000 | F | # | 400 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 - 23.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 - 29.00 | 35000 | F | # | 1000 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0002 | 29.00 - 29.00 | 35000 | F | # | 1000 | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 29000 | | # | 1000 | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 28000 | | # | 1000 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 31000 | | # | 1000 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0002 | 15.00 - 30.00 | 30000 | | # | 1000 | - |
| | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 27000 | | # | 1000 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 24000 | F | # | 400 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 37000 | F | # | 1000 | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 35000 | | # | 1000 | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 46000 | | # | 1000 | - |
| | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 280 | F | # | 20 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 21000 | F | # | 400 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 23000 | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 20000 | | | # | 400 | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 19000 | | | # | 400 | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 21000 | | | # | 400 | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 20000 | | | # | 400 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 28000 | | | # | 1000 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 32000 | | | # | 1000 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0002 | 25.00 - 40.00 | 33000 | | | # | 1000 | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 35000 | | | # | 1000 | - |
| Total Suspended Solids | mg/L | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 29 | | F | # | 20 | - |
| | mg/L | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 37 | | F | # | 20 | - |
| Turbidity | NTU | 0570 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 2.71 | | F | # | - | - |
| | NTU | 0570 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 4.28 | | F | # | - | - |
| | NTU | 0570 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 5.34 | | F | # | - | - |
| | NTU | 0570 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 18.1 | | | # | - | - |
| | NTU | 0570 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 4.73 | | | # | - | - |
| | NTU | 0570 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 1.71 | | | # | - | - |
| | NTU | 0570 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 3.28 | | | # | - | - |
| | NTU | 0571 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 7.36 | | F | # | - | - |
| | NTU | 0571 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 8.70 | | F | # | - | - |
| | NTU | 0571 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 17.1 | | F | # | - | - |
| | NTU | 0571 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 33.8 | | | # | - | - |
| | NTU | 0571 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 3.24 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0571 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 0.97 | | | # | - | - |
| | NTU | 0572 | WL | 08/17/2004 | N001 | 29.00 - 29.00 | 4.59 | | F | # | - | - |
| | NTU | 0572 | WL | 08/17/2004 | N001 | 16.00 - 16.00 | 2.43 | | F | # | - | - |
| | NTU | 0572 | WL | 08/17/2004 | N001 | 23.00 - 23.00 | 2.90 | | F | # | - | - |
| | NTU | 0572 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 10.1 | | | # | - | - |
| | NTU | 0572 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 6.86 | | | # | - | - |
| | NTU | 0572 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 3.45 | | | # | - | - |
| | NTU | 0572 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 2.30 | | | # | - | - |
| | NTU | 0572 | WL | 04/26/2005 | N001 | 15.00 - 30.00 | 159 | | F | # | - | - |
| | NTU | 0573 | WL | 08/17/2004 | N001 | 39.00 - 39.00 | 7.11 | | F | # | - | - |
| | NTU | 0573 | WL | 08/17/2004 | N001 | 26.00 - 26.00 | 5.24 | | F | # | - | - |
| | NTU | 0573 | WL | 08/17/2004 | N001 | 33.00 - 33.00 | 10.0 | | F | # | - | - |
| | NTU | 0573 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 29.2 | | | # | - | - |
| | NTU | 0573 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 8.61 | | | # | - | - |
| | NTU | 0573 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 0.96 | | | # | - | - |
| | NTU | 0574 | WL | 08/18/2004 | N001 | 16.00 - 16.00 | 2.39 | | F | # | - | - |
| | NTU | 0574 | WL | 08/18/2004 | N001 | 23.00 - 23.00 | 2.92 | | F | # | - | - |
| | NTU | 0574 | WL | 08/18/2004 | N001 | 29.00 - 29.00 | 4.07 | | F | # | - | - |
| | NTU | 0574 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 51.7 | | | # | - | - |
| | NTU | 0574 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 5.20 | | | # | - | - |
| | NTU | 0574 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 5.28 | | | # | - | - |
| | NTU | 0574 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 3.08 | | | # | - | - |
| | NTU | 0575 | WL | 08/18/2004 | N001 | 39.00 - 39.00 | 3.89 | | F | # | - | - |
| | NTU | 0575 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 8.23 | | F | # | - | - |
| | NTU | 0575 | WL | 08/18/2004 | N001 | 33.00 - 33.00 | 9.43 | | F | # | - | - |
| | NTU | 0575 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 8.77 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0575 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 4.85 | | # | - | - |
| | NTU | 0575 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 2.11 | | # | - | - |
| | NTU | 0576 | WL | 08/06/2004 | N001 | 16.00 - 16.00 | 9.77 | F | # | - | - |
| | NTU | 0576 | WL | 08/06/2004 | N001 | 23.00 - 23.00 | 6.82 | F | # | - | - |
| | NTU | 0576 | WL | 08/06/2004 | N001 | 29.00 - 29.00 | 14.0 | F | # | - | - |
| | NTU | 0576 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 15.4 | | # | - | - |
| | NTU | 0576 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 10.4 | | # | - | - |
| | NTU | 0576 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 16.7 | | # | - | - |
| | NTU | 0576 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 4.23 | | # | - | - |
| | NTU | 0577 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 8.77 | F | # | - | - |
| | NTU | 0577 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 11.5 | F | # | - | - |
| | NTU | 0577 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 15.0 | F | # | - | - |
| | NTU | 0577 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 16.3 | | # | - | - |
| | NTU | 0577 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 1.17 | | # | - | - |
| | NTU | 0577 | WL | 04/26/2005 | N001 | 25.00 - 40.00 | 237 | F | # | - | - |
| | NTU | 0578 | WL | 08/05/2004 | N001 | 23.00 - 23.00 | 15.5 | F | # | - | - |
| | NTU | 0578 | WL | 08/05/2004 | N001 | 29.00 - 29.00 | 20.7 | F | # | - | - |
| | NTU | 0578 | WL | 08/05/2004 | N001 | 16.00 - 16.00 | 3.71 | F | # | - | - |
| | NTU | 0578 | WL | 09/03/2004 | N001 | 15.00 - 30.00 | 19.2 | | # | - | - |
| | NTU | 0578 | WL | 09/14/2004 | N001 | 15.00 - 30.00 | 6.43 | | # | - | - |
| | NTU | 0578 | WL | 09/22/2004 | N001 | 15.00 - 30.00 | 3.01 | | # | - | - |
| | NTU | 0578 | WL | 10/05/2004 | N001 | 15.00 - 30.00 | 2.30 | | # | - | - |
| | NTU | 0579 | WL | 08/05/2004 | N001 | 26.00 - 26.00 | 10 | F | # | - | - |
| | NTU | 0579 | WL | 08/05/2004 | N001 | 33.00 - 33.00 | 13.1 | F | # | - | - |
| | NTU | 0579 | WL | 08/05/2004 | N001 | 39.00 - 39.00 | 15.8 | F | # | - | - |
| | NTU | 0579 | WL | 09/03/2004 | N001 | 25.00 - 40.00 | 17.8 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0579 | WL | 09/13/2004 | N001 | 25.00 - 40.00 | 4.00 | | | # | - | - |
| | NTU | 0579 | WL | 10/05/2004 | N001 | 25.00 - 40.00 | 2.27 | | | # | - | - |
| Uranium | mg/L | 0570 | WL | 08/18/2004 | 0001 | 23.00 - 23.00 | 1.900 | | F | # | 0.0012 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 29.00 - 29.00 | 1.900 | | F | # | 0.0012 | - |
| | mg/L | 0570 | WL | 08/18/2004 | 0001 | 16.00 - 16.00 | 2.700 | | F | # | 0.0012 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 2.100 | | | # | 0.0012 | - |
| | mg/L | 0570 | WL | 09/03/2004 | 0002 | 15.00 - 30.00 | 2.100 | | | # | 0.0012 | - |
| | mg/L | 0570 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 2.100 | | | # | 0.0012 | - |
| | mg/L | 0570 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 2.100 | | | # | 0.0012 | - |
| | mg/L | 0570 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 1.800 | | | # | 0.00083 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 1.700 | | F | # | 0.0012 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 33.00 - 33.00 | 1.700 | | F | # | 0.0012 | - |
| | mg/L | 0571 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 1.800 | | F | # | 0.0012 | - |
| | mg/L | 0571 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 1.900 | | | # | 0.0012 | - |
| | mg/L | 0571 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 1.700 | | | # | 0.0012 | - |
| | mg/L | 0571 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 1.600 | | | # | 0.00083 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 23.00 - 23.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 29.00 - 29.00 | 2.300 | | F | # | 0.0012 | - |
| | mg/L | 0572 | WL | 08/17/2004 | 0001 | 16.00 - 16.00 | 2.500 | | F | # | 0.0012 | - |
| | mg/L | 0572 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 2.300 | | | # | 0.0012 | - |
| | mg/L | 0572 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 2.300 | | | # | 0.0012 | - |
| | mg/L | 0572 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 2.200 | | | # | 0.0012 | - |
| | mg/L | 0572 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 2.000 | | | # | 0.00083 | - |
| | mg/L | 0572 | WL | 04/26/2005 | 0001 | 15.00 - 30.00 | 0.003 | | F | # | 2.2E-06 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 26.00 - 26.00 | 2.600 | | F | # | 0.0012 | - |
| | mg/L | 0573 | WL | 08/17/2004 | 0001 | 39.00 - 39.00 | 2.100 | | F | # | 0.0012 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0573 | WL | 08/17/2004 | 0001 | 33.00 -33.00 | 2.300 | F | # | 0.0012 | - |
| | mg/L | 0573 | WL | 09/03/2004 | 0001 | 25.00 -40.00 | 2.400 | | # | 0.0012 | - |
| | mg/L | 0573 | WL | 09/13/2004 | 0001 | 25.00 -40.00 | 2.200 | | # | 0.0012 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0001 | 25.00 -40.00 | 2.000 | | # | 0.00083 | - |
| | mg/L | 0573 | WL | 10/05/2004 | 0002 | 25.00 -40.00 | 2.000 | | # | 0.00083 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 16.00 -16.00 | 2.300 | F | # | 0.0012 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 23.00 -23.00 | 2.500 | F | # | 0.0012 | - |
| | mg/L | 0574 | WL | 08/18/2004 | 0001 | 29.00 -29.00 | 2.600 | F | # | 0.0012 | - |
| | mg/L | 0574 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 2.400 | | # | 0.0012 | - |
| | mg/L | 0574 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 2.400 | | # | 0.0012 | - |
| | mg/L | 0574 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 2.500 | | # | 0.0012 | - |
| | mg/L | 0574 | WL | 10/05/2004 | 0001 | 15.00 -30.00 | 2.400 | | # | 0.00083 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 33.00 -33.00 | 2.300 | F | # | 0.0012 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 39.00 -39.00 | 2.300 | F | # | 0.0012 | - |
| | mg/L | 0575 | WL | 08/18/2004 | 0001 | 26.00 -26.00 | 2.500 | F | # | 0.0012 | - |
| | mg/L | 0575 | WL | 09/03/2004 | 0001 | 25.00 -40.00 | 2.500 | | # | 0.0012 | - |
| | mg/L | 0575 | WL | 09/13/2004 | 0001 | 25.00 -40.00 | 2.400 | | # | 0.0012 | - |
| | mg/L | 0575 | WL | 10/05/2004 | 0001 | 25.00 -40.00 | 2.300 | | # | 0.00083 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 23.00 -23.00 | 2.800 | F | # | 0.0012 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 29.00 -29.00 | 2.800 | F | # | 0.0012 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0001 | 16.00 -16.00 | 2.100 | F | # | 0.0012 | - |
| | mg/L | 0576 | WL | 08/06/2004 | 0002 | 29.00 -29.00 | 2.800 | F | # | 0.0012 | - |
| | mg/L | 0576 | WL | 09/03/2004 | 0001 | 15.00 -30.00 | 2.900 | | # | 0.0012 | - |
| | mg/L | 0576 | WL | 09/14/2004 | 0001 | 15.00 -30.00 | 2.800 | | # | 0.0012 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0001 | 15.00 -30.00 | 2.700 | | # | 0.0012 | - |
| | mg/L | 0576 | WL | 09/22/2004 | 0002 | 15.00 -30.00 | 2.700 | | # | 0.0012 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0576 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 2.500 | | # | 0.00083 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 2.800 | F | # | 0.0012 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 2.500 | F | # | 0.0012 | - |
| | mg/L | 0577 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 3.100 | F | # | 0.0012 | - |
| | mg/L | 0577 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 2.700 | | # | 0.0012 | - |
| | mg/L | 0577 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 2.100 | | # | 0.00083 | - |
| | mg/L | 0577 | WL | 04/26/2005 | 0001 | 25.00 - 40.00 | 0.0031 | F | # | 2.2E-06 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 16.00 - 16.00 | 2.600 | F | # | 0.0012 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 23.00 - 23.00 | 3.000 | F | # | 0.0012 | - |
| | mg/L | 0578 | WL | 08/05/2004 | 0001 | 29.00 - 29.00 | 3.200 | F | # | 0.0012 | - |
| | mg/L | 0578 | WL | 09/03/2004 | 0001 | 15.00 - 30.00 | 2.700 | | # | 0.0012 | - |
| | mg/L | 0578 | WL | 09/14/2004 | 0001 | 15.00 - 30.00 | 2.500 | | # | 0.0012 | - |
| | mg/L | 0578 | WL | 09/22/2004 | 0001 | 15.00 - 30.00 | 2.500 | | # | 0.0012 | - |
| | mg/L | 0578 | WL | 10/05/2004 | 0001 | 15.00 - 30.00 | 2.300 | | # | 0.00083 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 26.00 - 26.00 | 2.400 | F | # | 0.0012 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 33.00 - 33.00 | 2.400 | F | # | 0.0012 | - |
| | mg/L | 0579 | WL | 08/05/2004 | 0001 | 39.00 - 39.00 | 3.100 | F | # | 0.0012 | - |
| | mg/L | 0579 | WL | 09/03/2004 | 0001 | 25.00 - 40.00 | 2.500 | | # | 0.0012 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0001 | 25.00 - 40.00 | 2.300 | | # | 0.0012 | - |
| | mg/L | 0579 | WL | 09/13/2004 | 0002 | 25.00 - 40.00 | 2.300 | | # | 0.0012 | - |
| | mg/L | 0579 | WL | 10/05/2004 | 0001 | 25.00 - 40.00 | 2.200 | | # | 0.00083 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:42 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0570','0571','0572','0573','0574','0575','0576','0577','0578','0579') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 238 | | F | # | - | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 722 | | F | # | - | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 714 | | F | # | - | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 716 | | | # | - | - |
| | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 492 | | | # | - | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 400 | | | # | - | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 620 | | | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 588 | | F | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 620 | | F | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 626 | | F | # | - | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 758 | | | # | - | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 736 | | | # | - | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 734 | | | # | - | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 728 | | | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 810 | | F | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 908 | | F | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 628 | | F | # | - | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 794 | | | # | - | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 744 | | | # | - | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 830 | | | # | - | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 710 | | | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 520 | | F | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 790 | | F | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 824 | | F | # | - | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 856 | | | # | - | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 780 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 940 | | # | - | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 854 | | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 1016 | F | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 612 | F | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 560 | F | # | - | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 848 | | # | - | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 822 | | # | - | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 900 | | # | - | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 880 | | # | - | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 888 | F | # | - | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 874 | F | # | - | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 748 | F | # | - | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 1030 | | # | - | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 870 | | # | - | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 940 | | # | - | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 866 | | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 932 | F | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 806 | F | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 686 | F | # | - | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 864 | | # | - | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 852 | | # | - | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 900 | | # | - | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 876 | | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 770 | F | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 6.48 | F | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 840 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 924 | | | # | - | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 710 | | | # | - | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 1004 | | | # | - | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 900 | | | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 660 | | F | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 878 | | F | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 504 | | F | # | - | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 876 | | | # | - | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 880 | | | # | - | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 884 | | | # | - | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 922 | | | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 688 | | F | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 876 | | F | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 626 | | F | # | - | - |
| | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 786 | | | # | - | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 846 | | | # | - | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 864 | | | # | - | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 852 | | | # | - | - |
| Ammonia Total as N | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 90 | | F | # | 20 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 400 | | F | # | 20 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 410 | | F | # | 20 | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 400 | | | # | 20 | - |
| | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 290 | | | # | 20 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 180 | N | | # | 10 | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 300 | | | # | 50 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 180 | | F | # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 180 | | F | # | 20 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 230 | | F | # | 20 | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 520 | | | # | 20 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 520 | | | # | 20 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 420 | | | # | 10 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 440 | | | # | 50 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 56 | | F | # | 2 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 710 | | F | # | 20 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 960 | | F | # | 20 | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 690 | | | # | 20 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 720 | | | # | 20 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 660 | | | # | 20 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 490 | | | # | 10 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 580 | | | # | 50 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 84 | | F | # | 20 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 350 | | F | # | 20 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 400 | | F | # | 20 | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 770 | | | # | 20 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 650 | | | # | 20 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 650 | | | # | 20 | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 650 | | | # | 50 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 19 | | F | # | 0.5 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 210 | | F | # | 20 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 980 | | F | # | 50 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0002 | 30.00 - 30.00 | 210 | | F | # | 20 | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 670 | | | # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 610 | | | # | 20 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 590 | | | # | 20 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 620 | | | # | 50 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 100 | | F | # | 20 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 330 | | F | # | 20 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 340 | | F | # | 20 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 550 | | | # | 20 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0002 | 16.00 - 46.00 | 570 | | | # | 20 | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 470 | | | # | 20 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 440 | | | # | 10 | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 510 | | | # | 50 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 36 | | F | # | 1 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 250 | | F | # | 20 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 260 | | F | # | 20 | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 380 | | | # | 20 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 450 | | | # | 20 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 410 | | | # | 10 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 430 | | | # | 50 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 440 | | | # | 50 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 27 | | F | # | 1 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 410 | | F | # | 20 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 430 | | F | # | 20 | - |
| | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 700 | | | # | 20 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 630 | | | # | 20 | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 640 | | | # | 20 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 650 | | | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 19 | | F # | 0.5 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 430 | | F # | 20 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 650 | | F # | 20 | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 630 | | # | 20 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 610 | | # | 20 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 600 | | # | 20 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 610 | | # | 50 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 420 | | F # | 20 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 34 | | F # | 1 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 610 | | F # | 20 | - |
| | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 490 | | # | 20 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 560 | | # | 20 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 430 | | # | 10 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 610 | | # | 50 | - |
| Bromide | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 4 | U | # | 4 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 2 | U | # | 2 | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 4 | U | # | 4 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 10 | U | # | 10 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 4 | U | # | 4 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 4 | U | # | 4 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 10 | U | # | 10 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 10 | U | # | 10 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 10 | U | # | 10 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 10 | U | # | 10 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 10 | U | # | 10 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 10 | U | # | 10 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 10 | U | # | 10 | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 10 | U | # | 10 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 10 | U | # | 10 | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 10 | U | # | 10 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 10 | U | # | 10 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 4 | U | # | 4 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 4 | U | # | 4 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 4 | U | # | 4 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 10 | U | # | 10 | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 1100 | | # | 10 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 10 | U | # | 10 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 10 | U | # | 10 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 4 | U | # | 4 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 4 | U | # | 4 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 4 | U | # | 4 | - |
| Chloride | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2100 | F | # | 40 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2000 | F | # | 40 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 520 | F | # | 20 | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 3200 | | # | 40 | - |
| | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 2800 | | # | 40 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 1500 | | # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 1900 | | # | 40 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 1400 | F | # | 40 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 1500 | F | # | 40 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 1600 | F | # | 40 | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 5100 | | # | 100 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 7000 | | # | 100 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 4800 | | # | 100 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 5400 | | # | 100 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2500 | F | # | 40 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2000 | F | # | 40 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 520 | F | # | 20 | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 7800 | | # | 100 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 12000 | | # | 200 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 11000 | | # | 200 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 7800 | | # | 100 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 7800 | | # | 100 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2200 | F | # | 40 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 990 | F | # | 20 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2200 | F | # | 40 | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 12000 | | # | 200 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 14000 | | # | 400 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 9300 | | # | 100 | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 8800 | | # | 100 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 1700 | F | # | 40 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 2100 | F | # | 40 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 2400 | F | # | 40 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0674 | WL | 08/10/2005 | 0002 | 30.00 - 30.00 | 2200 | | F | # | 40 | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 7400 | | | # | 100 | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 12000 | | | # | 400 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 7100 | | | # | 100 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 7100 | | | # | 100 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 2800 | | F | # | 40 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 3200 | | F | # | 40 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3200 | | F | # | 40 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 7700 | | | # | 100 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0002 | 16.00 - 46.00 | 8200 | | | # | 100 | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 7400 | | | # | 100 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 5100 | | | # | 100 | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 5100 | | | # | 100 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3500 | | F | # | 40 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 3500 | | F | # | 40 | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 3400 | | | # | 100 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 3900 | | | # | 100 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 3500 | | | # | 40 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 3400 | | | # | 100 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 3600 | | | # | 100 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 2800 | | F | # | 40 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 3400 | | F | # | 40 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3600 | | F | # | 100 | - |
| | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 4700 | | | # | 100 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 5300 | | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 4800 | | # | 100 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 4600 | | # | 100 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 1200 | F | # | 40 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 3500 | F | # | 40 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 2800 | F | # | 40 | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 4500 | | # | 100 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 470 | | # | 10 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 4700 | | # | 100 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 4200 | | # | 100 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 1900 | F | # | 40 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3100 | F | # | 40 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 3400 | F | # | 40 | - |
| | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 3100 | | # | 100 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 3400 | | # | 40 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 3200 | | # | 40 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 3300 | | # | 100 | - |
| Dissolved Oxygen | mg/L | 0670 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 0.75 | F | # | - | - |
| | mg/L | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 0.88 | F | # | - | - |
| | mg/L | 0670 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 2.33 | F | # | - | - |
| | mg/L | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 2.32 | | # | - | - |
| | mg/L | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 2.18 | | # | - | - |
| | mg/L | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 0.83 | | # | - | - |
| | mg/L | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 1.93 | | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 2.00 | F | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 2.28 | F | # | - | - |
| | mg/L | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 1.21 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0671 | WL | 09/29/2005 | N001 | 14.40 - 44.40 | 3.24 | | # | - | - |
| | mg/L | 0671 | WL | 10/20/2005 | N001 | 14.40 - 44.40 | 2.59 | | # | - | - |
| | mg/L | 0671 | WL | 11/09/2005 | N001 | 14.40 - 44.40 | 1.22 | | # | - | - |
| | mg/L | 0671 | WL | 12/06/2005 | N001 | 14.40 - 44.40 | 0.90 | | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 1.45 | F | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 1.50 | F | # | - | - |
| | mg/L | 0672 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 3.86 | F | # | - | - |
| | mg/L | 0672 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 3.53 | | # | - | - |
| | mg/L | 0672 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 2.73 | | # | - | - |
| | mg/L | 0672 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 1.04 | | # | - | - |
| | mg/L | 0672 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 0.98 | | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 2.02 | F | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 1.83 | F | # | - | - |
| | mg/L | 0673 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 1.95 | F | # | - | - |
| | mg/L | 0673 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 2.10 | | # | - | - |
| | mg/L | 0673 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 2.73 | | # | - | - |
| | mg/L | 0673 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 0.74 | | # | - | - |
| | mg/L | 0673 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 0.81 | | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 0.73 | F | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 1.09 | F | # | - | - |
| | mg/L | 0674 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.49 | F | # | - | - |
| | mg/L | 0674 | WL | 09/29/2005 | N001 | 15.10 - 45.10 | 2.72 | | # | - | - |
| | mg/L | 0674 | WL | 10/20/2005 | N001 | 15.10 - 45.10 | 2.76 | | # | - | - |
| | mg/L | 0674 | WL | 11/09/2005 | N001 | 15.10 - 45.10 | 0.77 | | # | - | - |
| | mg/L | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 0.90 | | # | - | - |
| | mg/L | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 0.47 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.60 | | F | # | - | - |
| | mg/L | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 1.69 | | F | # | - | - |
| | mg/L | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 2.33 | | | # | - | - |
| | mg/L | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 4.09 | | | # | - | - |
| | mg/L | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 0.32 | | | # | - | - |
| | mg/L | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 0.67 | | | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 2.15 | | F | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 1.53 | | F | # | - | - |
| | mg/L | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.72 | | F | # | - | - |
| | mg/L | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 3.47 | | | # | - | - |
| | mg/L | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 2.45 | | | # | - | - |
| | mg/L | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 1.31 | | | # | - | - |
| | mg/L | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 1.01 | | | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.25 | | F | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 2.07 | | F | # | - | - |
| | mg/L | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 2.21 | | F | # | - | - |
| | mg/L | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 4.82 | | | # | - | - |
| | mg/L | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 2.15 | | | # | - | - |
| | mg/L | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 0.44 | | | # | - | - |
| | mg/L | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 1.16 | | | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 2.78 | | F | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 2.21 | | F | # | - | - |
| | mg/L | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 2.23 | | F | # | - | - |
| | mg/L | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 4.44 | | | # | - | - |
| | mg/L | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 2.26 | | | # | - | - |
| | mg/L | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 0.98 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 1.07 | | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 0.82 | F | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.47 | F | # | - | - |
| | mg/L | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 3.03 | F | # | - | - |
| | mg/L | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 2.93 | | # | - | - |
| | mg/L | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 2.45 | | # | - | - |
| | mg/L | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 0.61 | | # | - | - |
| | mg/L | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 0.84 | | # | - | - |
| Oxidation Reduction Potent | mV | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 262 | F | # | - | - |
| | mV | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 232 | | # | - | - |
| | mV | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 210.8 | | # | - | - |
| | mV | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 164 | | # | - | - |
| | mV | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 237.4 | | # | - | - |
| | mV | 0671 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 225 | F | # | - | - |
| | mV | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 244 | F | # | - | - |
| | mV | 0671 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 265 | F | # | - | - |
| | mV | 0671 | WL | 09/29/2005 | N001 | 14.40 - 44.40 | 222 | | # | - | - |
| | mV | 0671 | WL | 10/20/2005 | N001 | 14.40 - 44.40 | 190.7 | | # | - | - |
| | mV | 0671 | WL | 11/09/2005 | N001 | 14.40 - 44.40 | 167 | | # | - | - |
| | mV | 0671 | WL | 12/06/2005 | N001 | 14.40 - 44.40 | 232.1 | | # | - | - |
| | mV | 0672 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 247 | F | # | - | - |
| | mV | 0672 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 273 | F | # | - | - |
| | mV | 0672 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 274 | F | # | - | - |
| | mV | 0672 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 179 | | # | - | - |
| | mV | 0672 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 180.2 | | # | - | - |
| | mV | 0672 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 169 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0672 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 140.5 | | | # | - | - |
| | mV | 0673 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 222 | | F | # | - | - |
| | mV | 0673 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 261 | | F | # | - | - |
| | mV | 0673 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 275 | | F | # | - | - |
| | mV | 0673 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 177 | | | # | - | - |
| | mV | 0673 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 176.1 | | | # | - | - |
| | mV | 0673 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 163 | | | # | - | - |
| | mV | 0673 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 163.4 | | | # | - | - |
| | mV | 0674 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 194 | | F | # | - | - |
| | mV | 0674 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 195 | | F | # | - | - |
| | mV | 0674 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 209 | | F | # | - | - |
| | mV | 0674 | WL | 09/29/2005 | N001 | 15.10 - 45.10 | 176 | | | # | - | - |
| | mV | 0674 | WL | 10/20/2005 | N001 | 15.10 - 45.10 | 163.2 | | | # | - | - |
| | mV | 0674 | WL | 11/09/2005 | N001 | 15.10 - 45.10 | 156 | | | # | - | - |
| | mV | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 138.6 | | | # | - | - |
| | mV | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 190 | | F | # | - | - |
| | mV | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 214 | | F | # | - | - |
| | mV | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 207 | | F | # | - | - |
| | mV | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 174 | | | # | - | - |
| | mV | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 157.2 | | | # | - | - |
| | mV | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 148 | | | # | - | - |
| | mV | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 121.0 | | | # | - | - |
| | mV | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 196 | | F | # | - | - |
| | mV | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 194 | | F | # | - | - |
| | mV | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 185 | | F | # | - | - |
| | mV | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 172 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 157.9 | | # | - | - |
| | mV | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 150 | | # | - | - |
| | mV | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 135.7 | | # | - | - |
| | mV | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 229 | F | # | - | - |
| | mV | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 225 | F | # | - | - |
| | mV | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 210 | F | # | - | - |
| | mV | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 179 | | # | - | - |
| | mV | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 162.3 | | # | - | - |
| | mV | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 146 | | # | - | - |
| | mV | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 115.3 | | # | - | - |
| | mV | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 224 | F | # | - | - |
| | mV | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 211 | F | # | - | - |
| | mV | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 229 | F | # | - | - |
| | mV | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 177 | | # | - | - |
| | mV | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 158.6 | | # | - | - |
| | mV | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 143 | | # | - | - |
| | mV | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 102.1 | | # | - | - |
| | mV | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 204.5 | F | # | - | - |
| | mV | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 218 | F | # | - | - |
| | mV | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 220 | F | # | - | - |
| | mV | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 174 | | # | - | - |
| | mV | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 150.2 | | # | - | - |
| | mV | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 138 | | # | - | - |
| | mV | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 92.4 | | # | - | - |
| pH | s.u. | 0670 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 6.67 | F | # | - | - |
| | s.u. | 0670 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 7.09 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 6.67 | | F | # | - | - |
| | s.u. | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 6.79 | | | # | - | - |
| | s.u. | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 6.86 | | | # | - | - |
| | s.u. | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 7.00 | | | # | - | - |
| | s.u. | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 6.87 | | | # | - | - |
| | s.u. | 0671 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 6.79 | | F | # | - | - |
| | s.u. | 0671 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 6.76 | | F | # | - | - |
| | s.u. | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 6.74 | | F | # | - | - |
| | s.u. | 0671 | WL | 09/29/2005 | N001 | 14.40 - 44.40 | 6.79 | | | # | - | - |
| | s.u. | 0671 | WL | 10/20/2005 | N001 | 14.40 - 44.40 | 6.72 | | | # | - | - |
| | s.u. | 0671 | WL | 11/09/2005 | N001 | 14.40 - 44.40 | 6.72 | | | # | - | - |
| | s.u. | 0671 | WL | 12/06/2005 | N001 | 14.40 - 44.40 | 6.83 | | | # | - | - |
| | s.u. | 0672 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 6.79 | | F | # | - | - |
| | s.u. | 0672 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 6.68 | | F | # | - | - |
| | s.u. | 0672 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 6.74 | | F | # | - | - |
| | s.u. | 0672 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 6.79 | | | # | - | - |
| | s.u. | 0672 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 6.72 | | | # | - | - |
| | s.u. | 0672 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 6.69 | | | # | - | - |
| | s.u. | 0672 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 6.80 | | | # | - | - |
| | s.u. | 0673 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 6.66 | | F | # | - | - |
| | s.u. | 0673 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 6.66 | | F | # | - | - |
| | s.u. | 0673 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 6.68 | | F | # | - | - |
| | s.u. | 0673 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 6.71 | | | # | - | - |
| | s.u. | 0673 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 6.67 | | | # | - | - |
| | s.u. | 0673 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 6.65 | | | # | - | - |
| | s.u. | 0673 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 6.75 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0674 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.70 | | F | # | - | - |
| | s.u. | 0674 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.85 | | F | # | - | - |
| | s.u. | 0674 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.66 | | F | # | - | - |
| | s.u. | 0674 | WL | 09/29/2005 | N001 | 15.10 - 45.10 | 6.75 | | | # | - | - |
| | s.u. | 0674 | WL | 10/20/2005 | N001 | 15.10 - 45.10 | 6.68 | | | # | - | - |
| | s.u. | 0674 | WL | 11/09/2005 | N001 | 15.10 - 45.10 | 6.67 | | | # | - | - |
| | s.u. | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 6.76 | | | # | - | - |
| | s.u. | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.66 | | F | # | - | - |
| | s.u. | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.64 | | F | # | - | - |
| | s.u. | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.66 | | F | # | - | - |
| | s.u. | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 6.72 | | | # | - | - |
| | s.u. | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 6.70 | | | # | - | - |
| | s.u. | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 6.69 | | | # | - | - |
| | s.u. | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 6.78 | | | # | - | - |
| | s.u. | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.67 | | F | # | - | - |
| | s.u. | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.69 | | F | # | - | - |
| | s.u. | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.67 | | F | # | - | - |
| | s.u. | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 6.77 | | | # | - | - |
| | s.u. | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 6.73 | | | # | - | - |
| | s.u. | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 6.69 | | | # | - | - |
| | s.u. | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 6.79 | | | # | - | - |
| | s.u. | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.69 | | F | # | - | - |
| | s.u. | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.69 | | F | # | - | - |
| | s.u. | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.69 | | F | # | - | - |
| | s.u. | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 6.81 | | | # | - | - |
| | s.u. | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 6.76 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 6.72 | | | # | - | - |
| | s.u. | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 6.81 | | | # | - | - |
| | s.u. | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.76 | | F | # | - | - |
| | s.u. | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.73 | | F | # | - | - |
| | s.u. | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.69 | | F | # | - | - |
| | s.u. | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 6.82 | | | # | - | - |
| | s.u. | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 6.76 | | | # | - | - |
| | s.u. | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 6.73 | | | # | - | - |
| | s.u. | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 6.82 | | | # | - | - |
| | s.u. | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.68 | | F | # | - | - |
| | s.u. | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 6.71 | | F | # | - | - |
| | s.u. | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 6.73 | | F | # | - | - |
| | s.u. | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 6.79 | | | # | - | - |
| | s.u. | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 6.76 | | | # | - | - |
| | s.u. | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 6.72 | | | # | - | - |
| | s.u. | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 6.81 | | | # | - | - |
| Specific Conductance | umhos/cm | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 18268 | | F | # | - | - |
| | umhos/cm | 0670 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 3896 | | F | # | - | - |
| | umhos/cm | 0670 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 18347 | | F | # | - | - |
| | umhos/cm | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 20110 | | | # | - | - |
| | umhos/cm | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 15333 | | | # | - | - |
| | umhos/cm | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 9593 | | | # | - | - |
| | umhos/cm | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 14350 | | | # | - | - |
| | umhos/cm | 0671 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 13933 | | F | # | - | - |
| | umhos/cm | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 14954 | | F | # | - | - |
| | umhos/cm | 0671 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 16138 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0671 | WL | 09/29/2005 | N001 | 14.40 - 44.40 | 24960 | | # | - | - |
| | umhos/cm | 0671 | WL | 10/20/2005 | N001 | 14.40 - 44.40 | 28291 | | # | - | - |
| | umhos/cm | 0671 | WL | 11/09/2005 | N001 | 14.40 - 44.40 | 23010 | | # | - | - |
| | umhos/cm | 0671 | WL | 12/06/2005 | N001 | 14.40 - 44.40 | 23640 | | # | - | - |
| | umhos/cm | 0672 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 8256 | F | # | - | - |
| | umhos/cm | 0672 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 19142 | F | # | - | - |
| | umhos/cm | 0672 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 23561 | F | # | - | - |
| | umhos/cm | 0672 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 32320 | | # | - | - |
| | umhos/cm | 0672 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 38476 | | # | - | - |
| | umhos/cm | 0672 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 32340 | | # | - | - |
| | umhos/cm | 0672 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 32480 | | # | - | - |
| | umhos/cm | 0673 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 18951 | F | # | - | - |
| | umhos/cm | 0673 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 18919 | F | # | - | - |
| | umhos/cm | 0673 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 11348 | F | # | - | - |
| | umhos/cm | 0673 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 40450 | | # | - | - |
| | umhos/cm | 0673 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 43328 | | # | - | - |
| | umhos/cm | 0673 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 36410 | | # | - | - |
| | umhos/cm | 0673 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 36240 | | # | - | - |
| | umhos/cm | 0674 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 23591 | F | # | - | - |
| | umhos/cm | 0674 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 18031 | F | # | - | - |
| | umhos/cm | 0674 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 15033 | F | # | - | - |
| | umhos/cm | 0674 | WL | 09/29/2005 | N001 | 15.10 - 45.10 | 32900 | | # | - | - |
| | umhos/cm | 0674 | WL | 10/20/2005 | N001 | 15.10 - 45.10 | 37314 | | # | - | - |
| | umhos/cm | 0674 | WL | 11/09/2005 | N001 | 15.10 - 45.10 | 32070 | | # | - | - |
| | umhos/cm | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 32380 | | # | - | - |
| | umhos/cm | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 20940 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 25644 | | F # | - | - |
| | umhos/cm | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 25681 | | F # | - | - |
| | umhos/cm | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 34740 | | # | - | - |
| | umhos/cm | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 32591 | | # | - | - |
| | umhos/cm | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 28060 | | # | - | - |
| | umhos/cm | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 28380 | | # | - | - |
| | umhos/cm | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 15091 | | F # | - | - |
| | umhos/cm | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 26420 | | F # | - | - |
| | umhos/cm | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 26500 | | F # | - | - |
| | umhos/cm | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 24700 | | # | - | - |
| | umhos/cm | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 25142 | | # | - | - |
| | umhos/cm | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 24660 | | # | - | - |
| | umhos/cm | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 24820 | | # | - | - |
| | umhos/cm | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 22720 | | F # | - | - |
| | umhos/cm | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 26503 | | F # | - | - |
| | umhos/cm | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 26590 | | F # | - | - |
| | umhos/cm | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 28350 | | # | - | - |
| | umhos/cm | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 29470 | | # | - | - |
| | umhos/cm | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 28270 | | # | - | - |
| | umhos/cm | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 28710 | | # | - | - |
| | umhos/cm | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 26533 | | F # | - | - |
| | umhos/cm | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 11311 | | F # | - | - |
| | umhos/cm | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 23810 | | F # | - | - |
| | umhos/cm | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 27410 | | # | - | - |
| | umhos/cm | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 27394 | | # | - | - |
| | umhos/cm | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 27120 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 27560 | | # | - | - |
| | umhos/cm | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 16744 | F | # | - | - |
| | umhos/cm | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 24930 | F | # | - | - |
| | umhos/cm | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 26537 | F | # | - | - |
| | umhos/cm | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 23630 | | # | - | - |
| | umhos/cm | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 24903 | | # | - | - |
| | umhos/cm | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 24460 | | # | - | - |
| | umhos/cm | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 25280 | | # | - | - |
| Sulfate | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 7700 | F | # | 100 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 7800 | F | # | 100 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 2000 | F | # | 50 | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 7200 | | # | 100 | - |
| | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 5000 | | # | 100 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 3100 | | # | 50 | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 5600 | | # | 100 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 5300 | F | # | 100 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 5800 | F | # | 100 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 6100 | F | # | 100 | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 7500 | | # | 250 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 8200 | | # | 250 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 7500 | | # | 100 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 7500 | | # | 100 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 3800 | F | # | 50 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 7900 | F | # | 100 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 10000 | F | # | 100 | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 8500 | | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 8600 | | # | 250 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 8600 | | # | 250 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 7800 | | # | 250 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 7800 | | # | 250 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 7600 | F | # | 100 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 7800 | F | # | 100 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 4800 | F | # | 50 | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 9600 | | # | 250 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 9600 | | # | 250 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 9400 | | # | 250 | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 9000 | | # | 250 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 5600 | F | # | 100 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 7000 | F | # | 100 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 11000 | F | # | 100 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0002 | 30.00 - 30.00 | 7200 | F | # | 100 | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 10000 | | # | 250 | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 10000 | | # | 250 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 9400 | | # | 250 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 9600 | | # | 250 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 8300 | F | # | 100 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 10000 | F | # | 100 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 10000 | F | # | 100 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 9900 | | # | 250 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0002 | 16.00 - 46.00 | 10000 | | # | 250 | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 10000 | | # | 250 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 10000 | | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 9900 | | # | 250 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 11000 | F | # | 100 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 6600 | F | # | 100 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 10000 | F | # | 100 | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 10000 | | # | 250 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 11000 | | # | 250 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 11000 | | # | 100 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 9900 | | # | 250 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 10000 | | # | 250 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 8900 | F | # | 100 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 11000 | F | # | 100 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 11000 | F | # | 250 | - |
| | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 11000 | | # | 250 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 11000 | | # | 250 | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 11000 | | # | 250 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 11000 | | # | 250 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 9700 | F | # | 100 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 11000 | F | # | 100 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 5300 | F | # | 100 | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 11000 | | # | 250 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 1100 | | # | 25 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 12000 | | # | 250 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 11000 | | # | 250 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 7000 | F | # | 100 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 10000 | F | # | 100 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 11000 | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 10000 | | # | 250 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 11000 | | # | 100 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 11000 | | # | 100 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 11000 | | # | 250 | - |
| Temperature | C | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 21.20 | F | # | - | - |
| | C | 0670 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 22.28 | F | # | - | - |
| | C | 0670 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 24.53 | F | # | - | - |
| | C | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 16.40 | | # | - | - |
| | C | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 16.75 | | # | - | - |
| | C | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 15.8 | | # | - | - |
| | C | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 14.45 | | # | - | - |
| | C | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 25.72 | F | # | - | - |
| | C | 0671 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 22.30 | F | # | - | - |
| | C | 0671 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 24.65 | F | # | - | - |
| | C | 0671 | WL | 09/29/2005 | N001 | 14.40 - 44.40 | 15.92 | | # | - | - |
| | C | 0671 | WL | 10/20/2005 | N001 | 14.40 - 44.40 | 16.15 | | # | - | - |
| | C | 0671 | WL | 11/09/2005 | N001 | 14.40 - 44.40 | 16.5 | | # | - | - |
| | C | 0671 | WL | 12/06/2005 | N001 | 14.40 - 44.40 | 16.26 | | # | - | - |
| | C | 0672 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 22.12 | F | # | - | - |
| | C | 0672 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 22.73 | F | # | - | - |
| | C | 0672 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 24.24 | F | # | - | - |
| | C | 0672 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 15.87 | | # | - | - |
| | C | 0672 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 16.18 | | # | - | - |
| | C | 0672 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 16.4 | | # | - | - |
| | C | 0672 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 16.12 | | # | - | - |
| | C | 0673 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 22.68 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0673 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 20.22 | | F | # | - | - |
| | C | 0673 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 22.01 | | F | # | - | - |
| | C | 0673 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 16.20 | | | # | - | - |
| | C | 0673 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 16.45 | | | # | - | - |
| | C | 0673 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 16.7 | | | # | - | - |
| | C | 0673 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 16.46 | | | # | - | - |
| | C | 0674 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 17.28 | | F | # | - | - |
| | C | 0674 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 17.40 | | F | # | - | - |
| | C | 0674 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 18.42 | | F | # | - | - |
| | C | 0674 | WL | 09/29/2005 | N001 | 15.10 - 45.10 | 16.56 | | | # | - | - |
| | C | 0674 | WL | 10/20/2005 | N001 | 15.10 - 45.10 | 17.00 | | | # | - | - |
| | C | 0674 | WL | 11/09/2005 | N001 | 15.10 - 45.10 | 17.1 | | | # | - | - |
| | C | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 16.50 | | | # | - | - |
| | C | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 17.95 | | F | # | - | - |
| | C | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 18.05 | | F | # | - | - |
| | C | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 18.61 | | F | # | - | - |
| | C | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 16.46 | | | # | - | - |
| | C | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 16.92 | | | # | - | - |
| | C | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 17.1 | | | # | - | - |
| | C | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 16.92 | | | # | - | - |
| | C | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 19.30 | | F | # | - | - |
| | C | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 19.42 | | F | # | - | - |
| | C | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 19.04 | | F | # | - | - |
| | C | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 16.77 | | | # | - | - |
| | C | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 17.20 | | | # | - | - |
| | C | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 17.3 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 16.98 | | # | - | - |
| | C | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 18.11 | F | # | - | - |
| | C | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 18.76 | F | # | - | - |
| | C | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 19.27 | F | # | - | - |
| | C | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 16.20 | | # | - | - |
| | C | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 16.52 | | # | - | - |
| | C | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 16.6 | | # | - | - |
| | C | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 16.44 | | # | - | - |
| | C | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 19.80 | F | # | - | - |
| | C | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 20.55 | F | # | - | - |
| | C | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 19.64 | F | # | - | - |
| | C | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 16.57 | | # | - | - |
| | C | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 16.79 | | # | - | - |
| | C | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 16.9 | | # | - | - |
| | C | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 16.55 | | # | - | - |
| | C | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 19.71 | F | # | - | - |
| | C | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 19.96 | F | # | - | - |
| | C | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 24.60 | F | # | - | - |
| | C | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 17.03 | | # | - | - |
| | C | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 17.20 | | # | - | - |
| | C | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 17.3 | | # | - | - |
| | C | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 16.83 | | # | - | - |
| Total Dissolved Solids | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 3900 | F | # | 80 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 14000 | F | # | 400 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 15000 | F | # | 400 | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 15000 | | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 11000 | | # | 400 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 6600 | | # | 200 | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 11000 | | # | 400 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 11000 | F | # | 200 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 13000 | F | # | 400 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 13000 | F | # | 400 | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 19000 | | # | 400 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 21000 | | # | 400 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 18000 | | # | 400 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 18000 | | # | 400 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 7400 | F | # | 200 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 15000 | F | # | 400 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 18000 | F | # | 400 | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 24000 | | # | 1000 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 28000 | | # | 1000 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 28000 | | # | 1000 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 24000 | | # | 1000 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 24000 | | # | 400 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 10000 | F | # | 200 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 15000 | F | # | 400 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 15000 | F | # | 400 | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 30000 | | # | 1000 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 32000 | | # | 1000 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 28000 | | # | 1000 | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 27000 | | # | 1000 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 15000 | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 14000 | | F | # | 200 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0002 | 30.00 - 30.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 25000 | | | # | 1000 | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 28000 | | | # | 1000 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 25000 | | | # | 1000 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 25000 | | | # | 400 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 27000 | | | # | 1000 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0002 | 16.00 - 46.00 | 27000 | | | # | 1000 | - |
| | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 26000 | | | # | 1000 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 23000 | | | # | 400 | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 23000 | | | # | 400 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 15000 | | F | # | 200 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 20000 | | | # | 400 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 21000 | | | # | 400 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 21000 | | | # | 400 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 20000 | | | # | 400 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 20000 | | | # | 400 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 24000 | | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 23000 | | # | 400 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 23000 | | # | 1000 | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 23000 | | # | 400 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 23000 | | # | 400 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 12000 | F | # | 200 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 19000 | F | # | 400 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 25000 | F | # | 400 | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 22000 | | # | 400 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 22000 | | # | 400 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 22000 | | # | 400 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 22000 | | # | 400 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 24000 | F | # | 400 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 15000 | F | # | 400 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 22000 | F | # | 400 | - |
| | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 19000 | | # | 400 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 20000 | | # | 400 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 20000 | | # | 400 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 21000 | | # | 400 | - |
| Turbidity | NTU | 0670 | WL | 08/09/2005 | N001 | 44.00 - 44.00 | 1.50 | F | # | - | - |
| | NTU | 0670 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 1.63 | F | # | - | - |
| | NTU | 0670 | WL | 08/09/2005 | N001 | 16.00 - 16.00 | 2.33 | F | # | - | - |
| | NTU | 0670 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 114 | | # | - | - |
| | NTU | 0670 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 6.65 | | # | - | - |
| | NTU | 0670 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 4.33 | | # | - | - |
| | NTU | 0670 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 8.32 | | # | - | - |
| | NTU | 0671 | WL | 08/09/2005 | N001 | 30.00 - 30.00 | 0.87 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0671 | WL | 08/09/2005 | N001 | 16.00 -16.00 | 0.96 | | F | # | - | - |
| | NTU | 0671 | WL | 08/09/2005 | N001 | 44.00 -44.00 | 1.64 | | F | # | - | - |
| | NTU | 0671 | WL | 09/29/2005 | N001 | 14.40 -44.40 | 3.38 | | | # | - | - |
| | NTU | 0671 | WL | 10/20/2005 | N001 | 14.40 -44.40 | 1.15 | | | # | - | - |
| | NTU | 0671 | WL | 11/09/2005 | N001 | 14.40 -44.40 | 4.33 | | | # | - | - |
| | NTU | 0671 | WL | 12/06/2005 | N001 | 14.40 -44.40 | 2.27 | | | # | - | - |
| | NTU | 0672 | WL | 08/09/2005 | N001 | 16.00 -16.00 | 2.63 | | F | # | - | - |
| | NTU | 0672 | WL | 08/09/2005 | N001 | 44.00 -44.00 | 1.01 | | F | # | - | - |
| | NTU | 0672 | WL | 08/09/2005 | N001 | 30.00 -30.00 | 1.67 | | F | # | - | - |
| | NTU | 0672 | WL | 09/29/2005 | N001 | 15.00 -45.00 | 2.07 | | | # | - | - |
| | NTU | 0672 | WL | 10/20/2005 | N001 | 15.00 -45.00 | 2.38 | | | # | - | - |
| | NTU | 0672 | WL | 11/09/2005 | N001 | 15.00 -45.00 | 4.33 | | | # | - | - |
| | NTU | 0672 | WL | 12/06/2005 | N001 | 15.00 -45.00 | 1.14 | | | # | - | - |
| | NTU | 0673 | WL | 08/09/2005 | N001 | 30.00 -30.00 | 0.68 | | F | # | - | - |
| | NTU | 0673 | WL | 08/09/2005 | N001 | 44.00 -44.00 | 1.10 | | F | # | - | - |
| | NTU | 0673 | WL | 08/09/2005 | N001 | 16.00 -16.00 | 1.62 | | F | # | - | - |
| | NTU | 0673 | WL | 09/29/2005 | N001 | 16.30 -46.30 | 1.00 | | | # | - | - |
| | NTU | 0673 | WL | 10/20/2005 | N001 | 16.30 -46.30 | 1.44 | | | # | - | - |
| | NTU | 0673 | WL | 11/09/2005 | N001 | 16.30 -46.30 | 3.31 | | | # | - | - |
| | NTU | 0673 | WL | 12/06/2005 | N001 | 16.30 -46.30 | 0.59 | | | # | - | - |
| | NTU | 0674 | WL | 08/10/2005 | N001 | 16.00 -16.00 | 5.31 | | F | # | - | - |
| | NTU | 0674 | WL | 08/10/2005 | N001 | 44.00 -44.00 | 3.66 | | F | # | - | - |
| | NTU | 0674 | WL | 08/10/2005 | N001 | 30.00 -30.00 | 3.78 | | F | # | - | - |
| | NTU | 0674 | WL | 09/29/2005 | N001 | 15.10 -45.10 | 6.98 | | | # | - | - |
| | NTU | 0674 | WL | 10/20/2005 | N001 | 15.10 -45.10 | 6.69 | | | # | - | - |
| | NTU | 0674 | WL | 11/09/2005 | N001 | 15.10 -45.10 | 1.05 | | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0674 | WL | 12/06/2005 | N001 | 15.10 - 45.10 | 0.84 | | # | - | - |
| | NTU | 0675 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 0.72 | F | # | - | - |
| | NTU | 0675 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 0.83 | F | # | - | - |
| | NTU | 0675 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 0.94 | F | # | - | - |
| | NTU | 0675 | WL | 09/29/2005 | N001 | 16.00 - 46.00 | 1.13 | | # | - | - |
| | NTU | 0675 | WL | 10/20/2005 | N001 | 16.00 - 46.00 | 0.93 | | # | - | - |
| | NTU | 0675 | WL | 11/09/2005 | N001 | 16.00 - 46.00 | 0.78 | | # | - | - |
| | NTU | 0675 | WL | 12/06/2005 | N001 | 16.00 - 46.00 | 1.24 | | # | - | - |
| | NTU | 0676 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 1.34 | F | # | - | - |
| | NTU | 0676 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.45 | F | # | - | - |
| | NTU | 0676 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 2.04 | F | # | - | - |
| | NTU | 0676 | WL | 09/29/2005 | N001 | 15.90 - 45.90 | 4.86 | | # | - | - |
| | NTU | 0676 | WL | 10/20/2005 | N001 | 15.90 - 45.90 | 1.22 | | # | - | - |
| | NTU | 0676 | WL | 11/09/2005 | N001 | 15.90 - 45.90 | 7.87 | | # | - | - |
| | NTU | 0676 | WL | 12/06/2005 | N001 | 15.90 - 45.90 | 0.97 | | # | - | - |
| | NTU | 0677 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 1.12 | F | # | - | - |
| | NTU | 0677 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 0.81 | F | # | - | - |
| | NTU | 0677 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 1.48 | F | # | - | - |
| | NTU | 0677 | WL | 09/29/2005 | N001 | 15.20 - 45.20 | 4.37 | | # | - | - |
| | NTU | 0677 | WL | 10/20/2005 | N001 | 15.20 - 45.20 | 1.09 | | # | - | - |
| | NTU | 0677 | WL | 11/09/2005 | N001 | 15.20 - 45.20 | 0.53 | | # | - | - |
| | NTU | 0677 | WL | 12/06/2005 | N001 | 15.20 - 45.20 | 0.46 | | # | - | - |
| | NTU | 0678 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.24 | F | # | - | - |
| | NTU | 0678 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 1.25 | F | # | - | - |
| | NTU | 0678 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 1.37 | F | # | - | - |
| | NTU | 0678 | WL | 09/29/2005 | N001 | 16.30 - 46.30 | 11.0 | | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0678 | WL | 10/20/2005 | N001 | 16.30 - 46.30 | 9.07 | | # | - | - |
| | NTU | 0678 | WL | 11/09/2005 | N001 | 16.30 - 46.30 | 3.12 | | # | - | - |
| | NTU | 0678 | WL | 12/06/2005 | N001 | 16.30 - 46.30 | 2.06 | | # | - | - |
| | NTU | 0679 | WL | 08/10/2005 | N001 | 44.00 - 44.00 | 6.00 | F | # | - | - |
| | NTU | 0679 | WL | 08/10/2005 | N001 | 16.00 - 16.00 | 1.67 | F | # | - | - |
| | NTU | 0679 | WL | 08/10/2005 | N001 | 30.00 - 30.00 | 1.91 | F | # | - | - |
| | NTU | 0679 | WL | 09/29/2005 | N001 | 15.00 - 45.00 | 1.12 | | # | - | - |
| | NTU | 0679 | WL | 10/20/2005 | N001 | 15.00 - 45.00 | 0.84 | | # | - | - |
| | NTU | 0679 | WL | 11/09/2005 | N001 | 15.00 - 45.00 | 0.62 | | # | - | - |
| | NTU | 0679 | WL | 12/06/2005 | N001 | 15.00 - 45.00 | 2.06 | | # | - | - |
| Uranium | mg/L | 0670 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 0.420 | F | # | 0.00019 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2.400 | F | # | 0.00038 | - |
| | mg/L | 0670 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2.500 | F | # | 0.00038 | - |
| | mg/L | 0670 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 2.200 | | # | 0.00048 | - |
| | mg/L | 0670 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 1.500 | | # | 0.00024 | - |
| | mg/L | 0670 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 0.860 | | # | 0.00048 | - |
| | mg/L | 0670 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 1.700 | | # | 0.00024 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 2.700 | F | # | 0.00038 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2.800 | F | # | 0.00038 | - |
| | mg/L | 0671 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2.900 | F | # | 0.00038 | - |
| | mg/L | 0671 | WL | 09/29/2005 | 0001 | 14.40 - 44.40 | 2.100 | | # | 0.00048 | - |
| | mg/L | 0671 | WL | 10/20/2005 | 0001 | 14.40 - 44.40 | 2.700 | | # | 0.00048 | - |
| | mg/L | 0671 | WL | 11/09/2005 | 0001 | 14.40 - 44.40 | 2.200 | | # | 0.00048 | - |
| | mg/L | 0671 | WL | 12/06/2005 | 0001 | 14.40 - 44.40 | 2.300 | | # | 0.00024 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2.800 | F | # | 0.00038 | - |
| | mg/L | 0672 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 2.200 | F | # | 0.00038 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0672 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2.500 | | F | # | 0.00038 | - |
| | mg/L | 0672 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 2.400 | | | # | 0.00048 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 2.200 | | | # | 0.00048 | - |
| | mg/L | 0672 | WL | 10/20/2005 | 0002 | 15.00 - 45.00 | 2.200 | | | # | 0.00024 | - |
| | mg/L | 0672 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 2.300 | | | # | 0.00048 | - |
| | mg/L | 0672 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 2.200 | | | # | 0.00024 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 16.00 - 16.00 | 1.900 | | F | # | 0.00038 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 30.00 - 30.00 | 2.600 | | F | # | 0.00038 | - |
| | mg/L | 0673 | WL | 08/09/2005 | 0001 | 44.00 - 44.00 | 2.800 | | F | # | 0.00038 | - |
| | mg/L | 0673 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 2.300 | | | # | 0.00048 | - |
| | mg/L | 0673 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 2.400 | | | # | 0.00048 | - |
| | mg/L | 0673 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0673 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 2.600 | | | # | 0.00024 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 2.900 | | F | # | 0.00038 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3.200 | | F | # | 0.00038 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 2.800 | | F | # | 0.00038 | - |
| | mg/L | 0674 | WL | 08/10/2005 | 0002 | 30.00 - 30.00 | 3.400 | | F | # | 0.00038 | - |
| | mg/L | 0674 | WL | 09/29/2005 | 0001 | 15.10 - 45.10 | 2.700 | | | # | 0.00048 | - |
| | mg/L | 0674 | WL | 10/20/2005 | 0001 | 15.10 - 45.10 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0674 | WL | 11/09/2005 | 0001 | 15.10 - 45.10 | 2.900 | | | # | 0.00048 | - |
| | mg/L | 0674 | WL | 12/06/2005 | 0001 | 15.10 - 45.10 | 2.600 | | | # | 0.00024 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 4.200 | | F | # | 0.00038 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 4.900 | | F | # | 0.00038 | - |
| | mg/L | 0675 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 5.300 | | F | # | 0.00038 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0001 | 16.00 - 46.00 | 3.100 | | | # | 0.00048 | - |
| | mg/L | 0675 | WL | 09/29/2005 | 0002 | 16.00 - 46.00 | 3.200 | | | # | 0.00048 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0675 | WL | 10/20/2005 | 0001 | 16.00 - 46.00 | 3.000 | | # | 0.00048 | - |
| | mg/L | 0675 | WL | 11/09/2005 | 0001 | 16.00 - 46.00 | 3.100 | | # | 0.00048 | - |
| | mg/L | 0675 | WL | 12/06/2005 | 0001 | 16.00 - 46.00 | 3.000 | | # | 0.00024 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 3.200 | F | # | 0.00038 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 4.600 | F | # | 0.00038 | - |
| | mg/L | 0676 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 4.600 | F | # | 0.00038 | - |
| | mg/L | 0676 | WL | 09/29/2005 | 0001 | 15.90 - 45.90 | 2.800 | | # | 0.00048 | - |
| | mg/L | 0676 | WL | 10/20/2005 | 0001 | 15.90 - 45.90 | 3.400 | | # | 0.00048 | - |
| | mg/L | 0676 | WL | 11/09/2005 | 0001 | 15.90 - 45.90 | 3.200 | | # | 0.00048 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0001 | 15.90 - 45.90 | 2.900 | | # | 0.00024 | - |
| | mg/L | 0676 | WL | 12/06/2005 | 0002 | 15.90 - 45.90 | 2.900 | | # | 0.00048 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 4.100 | F | # | 0.00038 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 4.200 | F | # | 0.00038 | - |
| | mg/L | 0677 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 4.000 | F | # | 0.00038 | - |
| | mg/L | 0677 | WL | 09/29/2005 | 0001 | 15.20 - 45.20 | 2.700 | | # | 0.00095 | - |
| | mg/L | 0677 | WL | 10/20/2005 | 0001 | 15.20 - 45.20 | 3.400 | | # | 0.00048 | - |
| | mg/L | 0677 | WL | 11/09/2005 | 0001 | 15.20 - 45.20 | 3.300 | | # | 0.00048 | - |
| | mg/L | 0677 | WL | 12/06/2005 | 0001 | 15.20 - 45.20 | 3.300 | | # | 0.00024 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 2.200 | F | # | 0.00038 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3.200 | F | # | 0.00038 | - |
| | mg/L | 0678 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 4.300 | F | # | 0.00038 | - |
| | mg/L | 0678 | WL | 09/29/2005 | 0001 | 16.30 - 46.30 | 2.900 | | # | 0.00048 | - |
| | mg/L | 0678 | WL | 10/20/2005 | 0001 | 16.30 - 46.30 | 3.600 | | # | 0.00048 | - |
| | mg/L | 0678 | WL | 11/09/2005 | 0001 | 16.30 - 46.30 | 3.400 | | # | 0.00048 | - |
| | mg/L | 0678 | WL | 12/06/2005 | 0001 | 16.30 - 46.30 | 3.500 | | # | 0.00024 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 16.00 - 16.00 | 3.200 | F | # | 0.00038 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0679 | WL | 08/10/2005 | 0001 | 30.00 - 30.00 | 3.700 | F | # | 0.00038 | - |
| | mg/L | 0679 | WL | 08/10/2005 | 0001 | 44.00 - 44.00 | 4.200 | F | # | 0.00038 | - |
| | mg/L | 0679 | WL | 09/29/2005 | 0001 | 15.00 - 45.00 | 3.600 | | # | 0.00048 | - |
| | mg/L | 0679 | WL | 10/20/2005 | 0001 | 15.00 - 45.00 | 4.700 | | # | 0.00048 | - |
| | mg/L | 0679 | WL | 11/09/2005 | 0001 | 15.00 - 45.00 | 4.700 | | # | 0.00048 | - |
| | mg/L | 0679 | WL | 12/06/2005 | 0001 | 15.00 - 45.00 | 4.300 | | # | 0.00048 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:08 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0670','0671','0672','0673','0674','0675','0676','0677','0678','0679') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0547 | TS, INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 790 | # | - | - |
| | mg/L | 0547 | TS, INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 789 | # | - | - |
| | mg/L | 0547 | TS, INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 732 | # | - | - |
| | mg/L | 0547 | TS, INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 690 | # | - | - |
| | mg/L | 0547 | TS, INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 662 | # | - | - |
| | mg/L | 0547 | TS, INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 770 | # | - | - |
| | mg/L | 0547 | TS, INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 676 | # | - | - |
| | mg/L | 0547 | TS, INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 520 | # | - | - |
| | mg/L | 0547 | TS, INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 402 | # | - | - |
| | mg/L | 0547 | TS, INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 520 | # | - | - |
| | mg/L | 0547 | TS, INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 584 | # | - | - |
| | mg/L | 0547 | TS, INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 722 | # | - | - |
| | mg/L | 0547 | TS, INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 730 | # | - | - |
| | mg/L | 0547 | TS, INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 766 | # | - | - |
| | mg/L | 0547 | TS, INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 710 | # | - | - |
| | mg/L | 0547 | TS, INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 720 | # | - | - |
| | mg/L | 0548 | TS, EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 330 | # | - | - |
| | mg/L | 0548 | TS, EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 258 | # | - | - |
| | mg/L | 0548 | TS, EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 432 | # | - | - |
| | mg/L | 0548 | TS, EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 470 | # | - | - |
| | mg/L | 0548 | TS, EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 524 | # | - | - |
| | mg/L | 0548 | TS, EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 344 | # | - | - |
| | mg/L | 0548 | TS, EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 304 | # | - | - |
| | mg/L | 0548 | TS, EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 240 | # | - | - |
| | mg/L | 0548 | TS, EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 260 | # | - | - |
| | mg/L | 0548 | TS, EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 387 | # | - | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 142 | | # | - | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 570 | | # | - | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 618 | | # | - | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 638 | | # | - | - |
| Ammonia Total as N | mg/L | 0547 | TS,INFL | 06/03/2004 | 0001 | 0.00 - 0.00 | 770 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 07/07/2004 | 0001 | 0.00 - 0.00 | 850 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 950 | J | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 820 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 720 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 700 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 680 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 580 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 620 | | # | 20 | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 840 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 540 | | # | 20 | - |
| | mg/L | 0547 | TS,INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 590 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 710 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 550 | | # | 20 | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 530 | | # | 20 | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 560 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 460 | | # | 10 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 560 | | # | 20 | - |
| | mg/L | 0548 | TS,EPND | 04/08/2004 | 0001 | 0.00 - 0.00 | 1000 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 06/03/2004 | 0001 | 0.00 - 0.00 | 1400 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 07/07/2004 | 0001 | 0.00 - 0.00 | 1300 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 1300 | J | # | 50 | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0548 | TS,EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 1400 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 1000 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 810 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 720 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 930 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 930 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 840 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 890 | | # | 50 | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 660 | | # | 20 | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 580 | | # | 20 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 580 | | # | 20 | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 470 | | # | 10 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 560 | | # | 20 | - |
| Bromide | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 10 | U | # | 10 | - |
| Chloride | mg/L | 0547 | TS,INFL | 06/03/2004 | 0001 | 0.00 - 0.00 | 4200 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 07/07/2004 | 0001 | 0.00 - 0.00 | 6000 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 6400 | J | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 5900 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 5900 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 5000 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 5100 | | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0547 | TS,INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 4000 | | # | 40 | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 5000 | | # | 200 | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 16000 | | # | 200 | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 14000 | | # | 200 | - |
| | mg/L | 0547 | TS,INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 13000 | | # | 200 | - |
| | mg/L | 0547 | TS,INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 13000 | | # | 200 | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 7000 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 5300 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 7200 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 8600 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 9200 | | # | 100 | - |
| | mg/L | 0548 | TS,EPND | 04/08/2004 | 0001 | 0.00 - 0.00 | 6700 | | # | 100 | - |
| | mg/L | 0548 | TS,EPND | 06/03/2004 | 0001 | 0.00 - 0.00 | 12000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 07/07/2004 | 0001 | 0.00 - 0.00 | 10000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 11000 | J | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 12000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 12000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 7400 | | # | 100 | - |
| | mg/L | 0548 | TS,EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 6900 | | # | 100 | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 13000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 17000 | | # | 400 | - |
| | mg/L | 0548 | TS,EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 1800 | | # | 40 | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 19000 | | # | 400 | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 15000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 12000 | | # | 200 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 8500 | | # | 100 | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 8600 | # | 100 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 9100 | # | 100 | - |
| Dissolved Oxygen | mg/L | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 4.91 | # | - | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 3.87 | # | - | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 2.83 | # | - | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 2.11 | # | - | - |
| | mg/L | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 4.37 | # | - | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 4.95 | # | - | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 6.03 | # | - | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 4.84 | # | - | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 6.01 | # | - | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 4.89 | # | - | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 7.99 | # | - | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 4.14 | # | - | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 4.22 | # | - | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 4.72 | # | - | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 6.25 | # | - | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 7.35 | # | - | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 7.31 | # | - | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 10.65 | # | - | - |
| Oxidation Reduction Potent | mV | 0547 | TS,INFL | 07/07/2004 | N001 | 0.00 - 0.00 | 225 | # | - | - |
| | mV | 0547 | TS,INFL | 08/04/2004 | N001 | 0.00 - 0.00 | -15.1 | # | - | - |
| | mV | 0547 | TS,INFL | 09/01/2004 | N001 | 0.00 - 0.00 | 142.4 | # | - | - |
| | mV | 0547 | TS,INFL | 10/14/2004 | N001 | 0.00 - 0.00 | 251 | # | - | - |
| | mV | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 113 | # | - | - |
| | mV | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 258 | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 228 | # | - | - |
| | mV | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 221 | # | - | - |
| | mV | 0547 | TS,INFL | 06/23/2005 | N001 | 0.00 - 0.00 | 245 | # | - | - |
| | mV | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 560 | # | - | - |
| | mV | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 200 | # | - | - |
| | mV | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 229 | # | - | - |
| | mV | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 261 | # | - | - |
| | mV | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 261 | # | - | - |
| | mV | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 150 | # | - | - |
| | mV | 0548 | TS,EPND | 07/07/2004 | N001 | 0.00 - 0.00 | 212 | # | - | - |
| | mV | 0548 | TS,EPND | 08/04/2004 | N001 | 0.00 - 0.00 | -53.3 | # | - | - |
| | mV | 0548 | TS,EPND | 09/01/2004 | N001 | 0.00 - 0.00 | 134.2 | # | - | - |
| | mV | 0548 | TS,EPND | 10/14/2004 | N001 | 0.00 - 0.00 | 21.7 | # | - | - |
| | mV | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 240 | # | - | - |
| | mV | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 201 | # | - | - |
| | mV | 0548 | TS,EPND | 06/23/2005 | N001 | 0.00 - 0.00 | 223 | # | - | - |
| | mV | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 51.2 | # | - | - |
| | mV | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 199 | # | - | - |
| | mV | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 220 | # | - | - |
| | mV | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 244 | # | - | - |
| | mV | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 256 | # | - | - |
| | mV | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 198 | # | - | - |
| pH | s.u. | 0547 | TS,INFL | 06/03/2004 | N001 | 0.00 - 0.00 | 6.72 | # | - | - |
| | s.u. | 0547 | TS,INFL | 07/07/2004 | N001 | 0.00 - 0.00 | 6.80 | # | - | - |
| | s.u. | 0547 | TS,INFL | 08/04/2004 | N001 | 0.00 - 0.00 | 6.73 | # | - | - |
| | s.u. | 0547 | TS,INFL | 09/01/2004 | N001 | 0.00 - 0.00 | 6.85 | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0547 | TS,INFL | 10/14/2004 | N001 | 0.00 - 0.00 | 6.65 | # | - | - |
| | s.u. | 0547 | TS,INFL | 11/18/2004 | N001 | 0.00 - 0.00 | 6.75 | # | - | - |
| | s.u. | 0547 | TS,INFL | 12/16/2004 | N001 | 0.00 - 0.00 | 6.64 | # | - | - |
| | s.u. | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 7.01 | # | - | - |
| | s.u. | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 6.90 | # | - | - |
| | s.u. | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 6.84 | # | - | - |
| | s.u. | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 6.75 | # | - | - |
| | s.u. | 0547 | TS,INFL | 06/23/2005 | N001 | 0.00 - 0.00 | 6.77 | # | - | - |
| | s.u. | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 7.38 | # | - | - |
| | s.u. | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 6.65 | # | - | - |
| | s.u. | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 6.88 | # | - | - |
| | s.u. | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 6.91 | # | - | - |
| | s.u. | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 7.07 | # | - | - |
| | s.u. | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 6.88 | # | - | - |
| | s.u. | 0548 | TS,EPND | 04/08/2004 | N001 | 0.00 - 0.00 | 7.59 | # | - | - |
| | s.u. | 0548 | TS,EPND | 06/03/2004 | N001 | 0.00 - 0.00 | 6.81 | # | - | - |
| | s.u. | 0548 | TS,EPND | 07/07/2004 | N001 | 0.00 - 0.00 | 7.29 | # | - | - |
| | s.u. | 0548 | TS,EPND | 08/04/2004 | N001 | 0.00 - 0.00 | 7.40 | # | - | - |
| | s.u. | 0548 | TS,EPND | 09/01/2004 | N001 | 0.00 - 0.00 | 7.37 | # | - | - |
| | s.u. | 0548 | TS,EPND | 10/14/2004 | N001 | 0.00 - 0.00 | 7.63 | # | - | - |
| | s.u. | 0548 | TS,EPND | 11/18/2004 | N001 | 0.00 - 0.00 | 7.67 | # | - | - |
| | s.u. | 0548 | TS,EPND | 12/16/2004 | N001 | 0.00 - 0.00 | 7.68 | # | - | - |
| | s.u. | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 7.64 | # | - | - |
| | s.u. | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 7.33 | # | - | - |
| | s.u. | 0548 | TS,EPND | 06/23/2005 | N001 | 0.00 - 0.00 | 7.32 | # | - | - |
| | s.u. | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 7.78 | # | - | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 7.39 | # | - | - |
| | s.u. | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 7.66 | # | - | - |
| | s.u. | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 7.87 | # | - | - |
| | s.u. | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 7.97 | # | - | - |
| | s.u. | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 7.92 | # | - | - |
| Specific Conductance | umhos/cm | 0547 | TS,INFL | 06/03/2004 | N001 | 0.00 - 0.00 | 23420 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 07/07/2004 | N001 | 0.00 - 0.00 | 27970 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 08/04/2004 | N001 | 0.00 - 0.00 | 31356 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 09/01/2004 | N001 | 0.00 - 0.00 | 27416 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 10/14/2004 | N001 | 0.00 - 0.00 | 25544 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 11/18/2004 | N001 | 0.00 - 0.00 | 25770 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 12/16/2004 | N001 | 0.00 - 0.00 | 24520 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 21175 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 25830 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 46672 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 41880 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 06/23/2005 | N001 | 0.00 - 0.00 | 41150 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 41442 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 30847 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 26730 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 29200 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 33950 | # | - | - |
| | umhos/cm | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 34150 | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 04/08/2004 | N001 | 0.00 - 0.00 | 32240 | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 06/03/2004 | N001 | 0.00 - 0.00 | 47420 | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 07/07/2004 | N001 | 0.00 - 0.00 | 45650 | # | - | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0548 | TS,EPND | 08/04/2004 | N001 | 0.00 - 0.00 | 49265 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 09/01/2004 | N001 | 0.00 - 0.00 | 47869 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 10/14/2004 | N001 | 0.00 - 0.00 | 45510 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 11/18/2004 | N001 | 0.00 - 0.00 | 33640 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 12/16/2004 | N001 | 0.00 - 0.00 | 30410 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 43277 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 51880 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 06/23/2005 | N001 | 0.00 - 0.00 | 54560 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 56765 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 47602 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 42350 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 33240 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 35490 | | # | - | - |
| | umhos/cm | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 34670 | | # | - | - |
| Sulfate | mg/L | 0547 | TS,INFL | 06/03/2004 | 0001 | 0.00 - 0.00 | 8700 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 07/07/2004 | 0001 | 0.00 - 0.00 | 9400 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 9100 | J | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 8000 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 7900 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 6700 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 6300 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 6600 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 6600 | | # | 50 | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 5600 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 3900 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 5400 | | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0547 | TS,INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 7700 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 8400 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 9400 | | # | 100 | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 9500 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 7800 | | # | 250 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 8100 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 04/08/2004 | 0001 | 0.00 - 0.00 | 11000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 06/03/2004 | 0001 | 0.00 - 0.00 | 19000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 07/07/2004 | 0001 | 0.00 - 0.00 | 17000 | | # | 500 | - |
| | mg/L | 0548 | TS,EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 17000 | J | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 18000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 13000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 8400 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 8900 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 8700 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 8400 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 8000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 9000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 9300 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 10000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 10000 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 8800 | | # | 250 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 8800 | | # | 250 | - |
| Temperature | C | 0547 | TS,INFL | 06/03/2004 | N001 | 0.00 - 0.00 | 30.2 | | # | - | - |
| | C | 0547 | TS,INFL | 07/07/2004 | N001 | 0.00 - 0.00 | 27.27 | | # | - | - |
| | C | 0547 | TS,INFL | 08/04/2004 | N001 | 0.00 - 0.00 | 18.90 | | # | - | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0547 | TS,INFL | 09/01/2004 | N001 | 0.00 - 0.00 | 22.64 | # | - | - |
| | C | 0547 | TS,INFL | 10/14/2004 | N001 | 0.00 - 0.00 | 14.66 | # | - | - |
| | C | 0547 | TS,INFL | 11/18/2004 | N001 | 0.00 - 0.00 | 16.95 | # | - | - |
| | C | 0547 | TS,INFL | 12/16/2004 | N001 | 0.00 - 0.00 | 15.24 | # | - | - |
| | C | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 14.49 | # | - | - |
| | C | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 15.29 | # | - | - |
| | C | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 12.27 | # | - | - |
| | C | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 16.51 | # | - | - |
| | C | 0547 | TS,INFL | 06/23/2005 | N001 | 0.00 - 0.00 | 16.52 | # | - | - |
| | C | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 19.02 | # | - | - |
| | C | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 18.62 | # | - | - |
| | C | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 15.49 | # | - | - |
| | C | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 13.1 | # | - | - |
| | C | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 12.6 | # | - | - |
| | C | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 13.1 | # | - | - |
| | C | 0548 | TS,EPND | 04/08/2004 | N001 | 0.00 - 0.00 | 17.8 | # | - | - |
| | C | 0548 | TS,EPND | 06/03/2004 | N001 | 0.00 - 0.00 | 28.0 | # | - | - |
| | C | 0548 | TS,EPND | 07/07/2004 | N001 | 0.00 - 0.00 | 28.59 | # | - | - |
| | C | 0548 | TS,EPND | 08/04/2004 | N001 | 0.00 - 0.00 | 23.40 | # | - | - |
| | C | 0548 | TS,EPND | 09/01/2004 | N001 | 0.00 - 0.00 | 26.04 | # | - | - |
| | C | 0548 | TS,EPND | 10/14/2004 | N001 | 0.00 - 0.00 | 12.51 | # | - | - |
| | C | 0548 | TS,EPND | 11/18/2004 | N001 | 0.00 - 0.00 | 12.05 | # | - | - |
| | C | 0548 | TS,EPND | 12/16/2004 | N001 | 0.00 - 0.00 | 5.94 | # | - | - |
| | C | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 11.30 | # | - | - |
| | C | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 21.34 | # | - | - |
| | C | 0548 | TS,EPND | 06/23/2005 | N001 | 0.00 - 0.00 | 22.65 | # | - | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 22.16 | | # | - | - |
| | C | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 23.52 | | # | - | - |
| | C | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 12.87 | | # | - | - |
| | C | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 11.17 | | # | - | - |
| | C | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 10.2 | | # | - | - |
| | C | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 7.9 | | # | - | - |
| Total Dissolved Solids | mg/L | 0547 | TS,INFL | 06/03/2004 | 0001 | 0.00 - 0.00 | 18000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 07/07/2004 | 0001 | 0.00 - 0.00 | 20000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 20000 | J | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 21000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 19000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 18000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 17000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 15000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 17000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 28000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 27000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 27000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 30000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 24000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 21000 | | # | 400 | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 22000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 22000 | | # | 1000 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 25000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 04/08/2004 | 0001 | 0.00 - 0.00 | 25000 | | # | 400 | - |
| | mg/L | 0548 | TS,EPND | 06/03/2004 | 0001 | 0.00 - 0.00 | 42000 | | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0548 | TS,EPND | 07/07/2004 | 0001 | 0.00 - 0.00 | 36000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 37000 | | J # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 44000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 35000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 24000 | | # | 400 | - |
| | mg/L | 0548 | TS,EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 21000 | | # | 400 | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 30000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 35000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 38000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 42000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 35000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 32000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 25000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 26000 | | # | 1000 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 25000 | | # | 1000 | - |
| Turbidity | NTU | 0547 | TS,INFL | 06/03/2004 | N001 | 0.00 - 0.00 | 1.98 | | # | - | - |
| | NTU | 0547 | TS,INFL | 07/07/2004 | N001 | 0.00 - 0.00 | 0.61 | | # | - | - |
| | NTU | 0547 | TS,INFL | 08/04/2004 | N001 | 0.00 - 0.00 | 0.97 | | # | - | - |
| | NTU | 0547 | TS,INFL | 09/01/2004 | N001 | 0.00 - 0.00 | 2.12 | | # | - | - |
| | NTU | 0547 | TS,INFL | 10/14/2004 | N001 | 0.00 - 0.00 | 1.42 | | # | - | - |
| | NTU | 0547 | TS,INFL | 11/18/2004 | N001 | 0.00 - 0.00 | 1.03 | | # | - | - |
| | NTU | 0547 | TS,INFL | 12/16/2004 | N001 | 0.00 - 0.00 | 0.28 | | # | - | - |
| | NTU | 0547 | TS,INFL | 02/23/2005 | N001 | 0.00 - 0.00 | 1.05 | | # | - | - |
| | NTU | 0547 | TS,INFL | 03/15/2005 | N001 | 0.00 - 0.00 | 0.42 | | # | - | - |
| | NTU | 0547 | TS,INFL | 04/28/2005 | N001 | 0.00 - 0.00 | 1.39 | | # | - | - |
| | NTU | 0547 | TS,INFL | 05/25/2005 | N001 | 0.00 - 0.00 | 5.05 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0547 | TS,INFL | 06/23/2005 | N001 | 0.00 - 0.00 | 0.75 | # | - | - |
| | NTU | 0547 | TS,INFL | 07/27/2005 | N001 | 0.00 - 0.00 | 1.97 | # | - | - |
| | NTU | 0547 | TS,INFL | 08/25/2005 | N001 | 0.00 - 0.00 | 0.72 | # | - | - |
| | NTU | 0547 | TS,INFL | 09/29/2005 | N001 | 0.00 - 0.00 | 1.33 | # | - | - |
| | NTU | 0547 | TS,INFL | 10/13/2005 | N001 | 0.00 - 0.00 | 25.5 | # | - | - |
| | NTU | 0547 | TS,INFL | 11/11/2005 | N001 | 0.00 - 0.00 | 0.55 | # | - | - |
| | NTU | 0547 | TS,INFL | 12/06/2005 | N001 | 0.00 - 0.00 | 0.52 | # | - | - |
| | NTU | 0548 | TS,EPND | 04/08/2004 | N001 | 0.00 - 0.00 | 5.63 | # | - | - |
| | NTU | 0548 | TS,EPND | 06/03/2004 | N001 | 0.00 - 0.00 | 5.04 | # | - | - |
| | NTU | 0548 | TS,EPND | 07/07/2004 | N001 | 0.00 - 0.00 | 7.79 | # | - | - |
| | NTU | 0548 | TS,EPND | 08/04/2004 | N001 | 0.00 - 0.00 | 8.64 | # | - | - |
| | NTU | 0548 | TS,EPND | 09/01/2004 | N001 | 0.00 - 0.00 | 10.6 | # | - | - |
| | NTU | 0548 | TS,EPND | 10/14/2004 | N001 | 0.00 - 0.00 | 5.19 | # | - | - |
| | NTU | 0548 | TS,EPND | 11/18/2004 | N001 | 0.00 - 0.00 | 5.47 | # | - | - |
| | NTU | 0548 | TS,EPND | 12/16/2004 | N001 | 0.00 - 0.00 | 7.44 | # | - | - |
| | NTU | 0548 | TS,EPND | 04/28/2005 | N001 | 0.00 - 0.00 | 5.20 | # | - | - |
| | NTU | 0548 | TS,EPND | 05/25/2005 | N001 | 0.00 - 0.00 | 5.98 | # | - | - |
| | NTU | 0548 | TS,EPND | 06/23/2005 | N001 | 0.00 - 0.00 | 4.95 | # | - | - |
| | NTU | 0548 | TS,EPND | 07/27/2005 | N001 | 0.00 - 0.00 | 6.50 | # | - | - |
| | NTU | 0548 | TS,EPND | 08/25/2005 | N001 | 0.00 - 0.00 | 5.64 | # | - | - |
| | NTU | 0548 | TS,EPND | 09/29/2005 | N001 | 0.00 - 0.00 | 9.66 | # | - | - |
| | NTU | 0548 | TS,EPND | 10/13/2005 | N001 | 0.00 - 0.00 | 13.0 | # | - | - |
| | NTU | 0548 | TS,EPND | 11/11/2005 | N001 | 0.00 - 0.00 | 4.95 | # | - | - |
| | NTU | 0548 | TS,EPND | 12/06/2005 | N001 | 0.00 - 0.00 | 7.51 | # | - | - |
| Uranium | mg/L | 0547 | TS,INFL | 06/03/2004 | 0001 | 0.00 - 0.00 | 3.000 | # | 0.00028 | - |
| | mg/L | 0547 | TS,INFL | 07/07/2004 | 0001 | 0.00 - 0.00 | 2.800 | # | 0.00069 | - |

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0547 | TS,INFL | 08/04/2004 | 0001 | 0.00 - 0.00 | 2.700 | | | # | 0.0012 | - |
| | mg/L | 0547 | TS,INFL | 09/01/2004 | 0001 | 0.00 - 0.00 | 2.800 | | | # | 0.0012 | - |
| | mg/L | 0547 | TS,INFL | 10/14/2004 | 0001 | 0.00 - 0.00 | 2.200 | | J | # | 0.00083 | - |
| | mg/L | 0547 | TS,INFL | 11/18/2004 | 0001 | 0.00 - 0.00 | 2.300 | | | # | 0.00083 | - |
| | mg/L | 0547 | TS,INFL | 12/16/2004 | 0001 | 0.00 - 0.00 | 2.200 | | | # | 0.00083 | - |
| | mg/L | 0547 | TS,INFL | 02/23/2005 | 0001 | 0.00 - 0.00 | 1.900 | | | # | 0.00046 | - |
| | mg/L | 0547 | TS,INFL | 03/15/2005 | 0001 | 0.00 - 0.00 | 2.100 | | | # | 0.00046 | - |
| | mg/L | 0547 | TS,INFL | 04/28/2005 | 0001 | 0.00 - 0.00 | 1.300 | | | # | 0.00022 | - |
| | mg/L | 0547 | TS,INFL | 05/25/2005 | 0001 | 0.00 - 0.00 | 1.200 | | | # | 0.00011 | - |
| | mg/L | 0547 | TS,INFL | 06/23/2005 | 0001 | 0.00 - 0.00 | 1.600 | | | # | 0.00011 | - |
| | mg/L | 0547 | TS,INFL | 07/27/2005 | 0001 | 0.00 - 0.00 | 2.500 | | | # | 0.00038 | - |
| | mg/L | 0547 | TS,INFL | 08/25/2005 | 0001 | 0.00 - 0.00 | 2.800 | | | # | 0.00038 | - |
| | mg/L | 0547 | TS,INFL | 09/29/2005 | 0001 | 0.00 - 0.00 | 2.800 | | | # | 0.00048 | - |
| | mg/L | 0547 | TS,INFL | 10/13/2005 | 0001 | 0.00 - 0.00 | 2.400 | | | # | 0.00024 | - |
| | mg/L | 0547 | TS,INFL | 11/11/2005 | 0001 | 0.00 - 0.00 | 2.600 | | | # | 0.00048 | - |
| | mg/L | 0547 | TS,INFL | 12/06/2005 | 0001 | 0.00 - 0.00 | 2.300 | | | # | 0.00024 | - |
| | mg/L | 0548 | TS,EPND | 04/08/2004 | 0001 | 0.00 - 0.00 | 3.800 | | | # | 0.00069 | - |
| | mg/L | 0548 | TS,EPND | 06/03/2004 | 0001 | 0.00 - 0.00 | 5.000 | | | # | 0.00028 | - |
| | mg/L | 0548 | TS,EPND | 07/07/2004 | 0001 | 0.00 - 0.00 | 5.600 | | | # | 0.00069 | - |
| | mg/L | 0548 | TS,EPND | 08/04/2004 | 0001 | 0.00 - 0.00 | 5.700 | | | # | 0.0012 | - |
| | mg/L | 0548 | TS,EPND | 09/01/2004 | 0001 | 0.00 - 0.00 | 6.200 | | | # | 0.0012 | - |
| | mg/L | 0548 | TS,EPND | 10/14/2004 | 0001 | 0.00 - 0.00 | 3.600 | | J | # | 0.00083 | - |
| | mg/L | 0548 | TS,EPND | 11/18/2004 | 0001 | 0.00 - 0.00 | 2.600 | | | # | 0.00083 | - |
| | mg/L | 0548 | TS,EPND | 12/16/2004 | 0001 | 0.00 - 0.00 | 2.700 | | | # | 0.00083 | - |
| | mg/L | 0548 | TS,EPND | 04/28/2005 | 0001 | 0.00 - 0.00 | 2.500 | | | # | 0.00022 | - |
| | mg/L | 0548 | TS,EPND | 05/25/2005 | 0001 | 0.00 - 0.00 | 2.300 | | | # | 0.00011 | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0548 | TS,EPND | 06/23/2005 | 0001 | 0.00 - 0.00 | 2.300 | # | 0.00011 | - |
| | mg/L | 0548 | TS,EPND | 07/27/2005 | 0001 | 0.00 - 0.00 | 2.800 | # | 0.00038 | - |
| | mg/L | 0548 | TS,EPND | 08/25/2005 | 0001 | 0.00 - 0.00 | 3.100 | # | 0.00038 | - |
| | mg/L | 0548 | TS,EPND | 09/29/2005 | 0001 | 0.00 - 0.00 | 2.400 | # | 0.00048 | - |
| | mg/L | 0548 | TS,EPND | 10/13/2005 | 0001 | 0.00 - 0.00 | 3.000 | # | 0.00024 | - |
| | mg/L | 0548 | TS,EPND | 11/11/2005 | 0001 | 0.00 - 0.00 | 3.000 | # | 0.00048 | - |
| | mg/L | 0548 | TS,EPND | 12/06/2005 | 0001 | 0.00 - 0.00 | 2.900 | # | 0.00024 | - |

GENERAL WATER QUALITY DATA BY PARAMETER (USEE205) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 5:32 pm

| PARAMETER | UNITS | LOCATION ID | LOC TYPE, SUBTYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0547','0548') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: TS TREATMENT SYSTEM

LOCATION SUBTYPES: EPND Evaporation Pond INFL Treatment System Influent

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

# Appendix F

# Treatment System Data

| Date | Time | IA Pond | | | Total cf1+ PW2 + cf2 + cf3 | | Evap Pond Totals | | | Sprinkler System (A-E) | | | | | Sprinkler System (F-K) | | | | | Total Sprinkler Vol (gls) | application | application | Change in Total Sprinkler System Volume (gal) | | | Inlet Sample (S47) | | | Recirculating Sample (S48) | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | level | volume | volume | total flow | total vol EXT | | | | flow | pressure | | total volume (gls) | | | flow | pressure | total volume (gls) | | | | | | | | | temp | Spec Cond | | temp | Spec Cond | | |
| | | ft | | gls | (gpm) | (gls) | Dates | Vol (gal) | Total Apr to Sept FY06 | gpm | psi | raw data | corrected | change | | gpm | psi | raw data | corrected | change | | rate (gls/day) | rate (gpm) | Dates | Vol (gal) | Total Apr to Sept FY06 | C | µS/cm x1K | pH | C | µS/cm x1K | pH | |
| 1/3/2005 | 9:07 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/4/2005 | 8:45 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/5/2005 | 8:16 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/6/2005 | 8:37 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/10/2005 | 8:30 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/11/2005 | 15:29 | 7.5 | 3,119,888 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/12/2005 | 8:07 | 7.55 | 3,159,776 | 39,888 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/13/2005 | 8:33 | 7.55 | 3,159,776 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/18/2005 | 8:28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/20/2005 | 9:05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/24/2005 | 9:05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/27/2005 | 8:18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1/31/2005 | 8:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/3/2005 | 8:45 | 7.55 | 3,159,776 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/7/2005 | 9:15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/10/2005 | 8:32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/14/2005 | 8:44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/15/2005 | 9:59 | | | | 17.1 | 13,957,387 | | | | | | | | | | | | | | | | | | | | | | | | | | Spring 2005 Extraction Wells Config 1 startup |
| 2/17/2005 | 8:41 | 7.6 | 3,199,918 | | 15.0 | 14,011,625 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/21/2005 | 9:14 | 7.75 | 3,321,874 | 121,956 | 15.4 | 14,119,662 | | | | | | | | | | | | | | | | | | | | | 12.98 | 20.89 | 6.57 | 7.64 | 29.36 | 7.52 | |
| 2/24/2005 | 9:45 | | | | 15.0 | 14,192,327 | | | | | | | | | | | | | | | | | | | | | 13.02 | 21.28 | 6.56 | 8.34 | 28.56 | 7.51 | |
| 2/28/2005 | 10:32 | 8 | 3,530,231 | | 15.3 | 14,297,083 | | | | | | | | | | | | | | | | | | | | | 14.80 | 22.08 | 6.70 | 11.06 | 28.65 | 7.54 | |
| 3/3/2005 | 8:27 | 8.05 | 3,572,667 | 42,436 | 23.9 | 14,385,228 | | | | | | | | | | | | | | | | | | | | | 14.25 | 22.73 | 6.53 | 10.11 | 28.48 | 7.36 | Water truck used 19,800 gal for dust control |
| 3/7/2005 | 8:10 | 8.25 | 3,744,958 | 172,291 | 24.7 | 14,495,785 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/10/2005 | 8:35 | 8.25 | 3,741,125 | -3,765,326 | 23.2 | 14,577,646 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/14/2005 | 7:30 | 8.5 | 3,966,056 | 3,926,423 | 26.6 | 14,681,899 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/17/2005 | 8:17 | 8.5 | 3,966,056 | 0 | 26.4 | 14,763,435 | | | | | | | | | | | | | | | | | | | | | 13.98 | 28.49 | 6.69 | 8.86 | 33.74 | 7.56 | |
| 3/21/2005 | 7:00 | 8.75 | 4,193,524 | 227,468 | 24.2 | 14,869,053 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/24/2005 | 8:45 | 8.5 | 3,966,056 | -227,468 | 26.4 | 14,967,354 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/28/2005 | 8:11 | 8.8 | 4,239,782 | 273,726 | 25.9 | 15,112,618 | | | | 97 | 58 | 1,793,259 | 3,795,158 | | 108 | 61 | 12,766 | 12,766 | | 3,807,924 | | | | | | | | | | | | Start testing expanded sprinkler system |
| 3/31/2005 | 8:10 | 8.5 | 3,966,056 | -273,726 | 25.5 | 15,229,431 | | | | 0 | 50 | 1,919,599 | 3,921,498 | 126,340 | 191 | 60 | 108,455 | 108,455 | | 4,029,953 | -42123 | -29 | | | | | | | | | | |
| 4/4/2005 | 7:40 | 8.5 | 3,966,056 | 0 | 28.4 | 15,381,028 | | | | 130 | 60 | 2,062,241 | 4,064,140 | 142,642 | 144 | 40 | 285,336 | 285,336 | | 4,349,476 | -35847 | -25 | | | | | | | | | | pw02 added to IA gw extraction system 4/5/05 |
| 4/7/2005 | 9:22 | 8 | 3,530,231 | -435,825 | 51.2 | 15,599,264 | | | | 119 | 60 | 2,180,849 | 4,182,748 | 118,608 | 196 | 62 | 458,393 | 458,393 | | 4,641,141 | -39155 | -27 | | | | 14.84 | 51.92 | 6.86 | 11.98 | 32.93 | 7.74 | 88.2 gpm and 43700 gls for Area C |
| 4/11/2005 | 7:50 | 7.75 | 3,321,874 | -208,357 | 51.9 | 15,932,230 | | | | | | 2,393,947 | 4,395,846 | 213,098 | | | 735,270 | 735,270 | | 5,131,116 | -53572 | -37 | | | | | | | | | | |
| 4/14/2005 | 8:22 | 7.5 | 3,119,888 | -201,986 | 38.2 | 16,138,750 | | | | 121 | 60 | 2,559,933 | 4,561,832 | 165,986 | 196 | 54 | 945,907 | 945,907 | | 5,507,739 | -54922 | -38 | | | | 15.40 | 53.64 | 6.91 | 13.12 | 37.02 | 7.72 | |
| 4/18/2005 | 8:07 | 7.25 | 2,924,272 | -195,616 | 38.3 | 16,377,958 | | | | | | 2,701,662 | 4,703,561 | 141,729 | 199 | 50 | 1,220,469 | 1,220,469 | | 5,924,030 | -35525 | -25 | | | | | | | | | | A-E Totalizer flow meter not running |
| 4/21/2005 | 8:16 | 7 | 2,735,027 | -189,245 | 24.2 | 16,481,676 | | | | 119 | 50 | 2,845,043 | 4,846,942 | 143,381 | 194 | 50 | 1,439,264 | 1,439,264 | | 6,286,206 | -47694 | -33 | | | | 15.10 | 79.99 | 6.72 | 9.66 | 42.72 | 7.78 | Config 1 not in service/vault installation |
| 4/25/2005 | 10:00 | 6.3 | 2,239,031 | -495,996 | 31.2 | 16,649,622 | | | | 0 | 0 | 2,922,366 | 4,924,265 | 77,323 | 183 | 65 | 1,748,243 | 1,748,243 | | 6,672,508 | -18988 | -13 | | | | | | | | | | |
| 4/28/2005 | 8:11 | 6.5 | 2,375,648 | 136,617 | 51.9 | 16,807,850 | | | | 0 | 0 | 2,922,412 | 4,924,311 | 46 | 216 | 35 | 1,898,095 | 1,898,095 | | 6,822,406 | -16 | 0 | | | | 14.77 | 51.58 | 6.71 | 12.93 | 46.83 | 7.51 | |
| 5/2/2005 | 8:15 | 6.6 | 2,445,485 | 69,837 | 49.8 | 17,057,443 | | | | 0 | 0 | 2,941,374 | 4,943,273 | 18,962 | 0 | 0 | 1,978,369 | 1,978,369 | | 6,921,642 | -4737 | -3 | | | | | | | | | | Evap pond to tow for flow rates |
| 5/5/2005 | 7:55 | 7 | 2,735,027 | 289,542 | 46.6 | 17,272,837 | | | | 0 | 0 | 2,941,374 | 4,943,273 | | 0 | 0 | 1,978,629 | 1,978,629 | | 6,921,902 | 0 | 0 | | | | 15.04 | 50.27 | 6.97 | 17.05 | 48.49 | 7.75 | |
| 5/9/2005 | 7:38 | 7 | 2,735,027 | 0 | 52.6 | 17,481,059 | | | | | | | | (4,943,273) | | | | | | | | | | | | | | | | | | | |
| 5/12/2005 | 7:50 | 7.1 | 2,809,961 | 74,934 | 51.5 | 17,738,689 | | | | 128 | 50 | 3,000,648 | 5,002,547 | 5,002,547 | - | 0 | 2,191,029 | 2,191,029 | | 7,193,576 | | | | | | 14.61 | 47.02 | 6.76 | 13.41 | 50.46 | 7.52 | |
| 5/16/2005 | 7:29 | 7.3 | 2,962,886 | 152,925 | 53.0 | 18,086,414 | | | | | | 3,003,280 | 5,005,179 | 2,632 | - | - | 2,326,583 | 2,326,583 | 135,554 | 7,331,762 | -660 | 0 | | | | | | | | | | Sprinkler system is not running |
| 5/19/2005 | 8:07 | 7.2 | 2,885,914 | -76,972 | 52.7 | 18,344,020 | 5/12 to 5/19 | 605,331 | 3,114,589 | 137 | 60 | 3,096,780 | 5,098,679 | 93,500 | 190 | 50 | 2,432,241 | 2,432,241 | 105,658 | 7,530,920 | -30895 | -21 | 5/12 to 5/19 | 337,344 | 3,500,967 | 15.25 | 45.47 | 6.83 | 19.13 | 51.66 | 7.51 | |
| 5/23/2005 | 8:04 | 7.1 | 2,809,961 | -75,953 | 54.1 | 18,547,421 | | | | 120 | 50 | 3,184,319 | 5,186,218 | 87,539 | 198 | 50 | 2,567,378 | 2,567,378 | 135,137 | 7,753,596 | -21896 | -15 | | | | | | | | | | |
| 5/26/2005 | 9:54 | 7.1 | 2,809,961 | 0 | 54.6 | 18,775,447 | 5/19 to 5/26 | 431,427 | 3,546,016 | 0 | 0 | 3,322,424 | 5,324,323 | 138,105 | 200 | 69 | 2,721,918 | 2,721,918 | 154,540 | 8,046,241 | -44892 | -31 | 5/19 to 5/26 | 515,321 | 4,016,288 | | | | | | | |
| 5/31/2005 | 7:45 | 7.1 | 2,809,961 | 0 | 55.7 | 19,036,833 | | | | | | 3,336,038 | 5,337,937 | 13,614 | - | - | 2,914,740 | 2,914,740 | 192,822 | 8,252,677 | -2772 | -2 | | | | | | | | | | |
| 6/2/2005 | 8:10 | 7.1 | 2,809,961 | 0 | 53.7 | 19,212,414 | 5/26 to 6/2 | 436,967 | 3,982,983 | 0 | 0 | 3,379,428 | 5,381,327 | 43,390 | 190 | 50 | 2,984,473 | 2,984,473 | 69,733 | 8,365,800 | -21508 | -15 | 5/26 to 6/2 | 319,559 | 4,335,847 | 15.38 | 42.38 | 6.93 | 18.58 | 57.99 | 7.52 | |
| 6/6/2005 | 7:48 | 7.3 | 2,962,886 | 152,925 | 54.5 | 19,577,814 | | | | 112 | 58 | 3,401,887 | 5,403,786 | 22,459 | 185 | 50 | 3,186,392 | 3,186,392 | 201,919 | 8,590,178 | -5636 | -4 | | | | | | | | | | |
| 6/9/2005 | 7:55 | 7.1 | 2,809,961 | -152,925 | 53.7 | 19,821,833 | 6/2 to 6/9 | 609,417 | 4,592,400 | 0 | 0 | 3,459,898 | 5,461,797 | 58,011 | 189 | 50 | 3,329,217 | 3,329,217 | 142,825 | 8,791,014 | -15936 | -13 | 6/2 to 6/9 | 425,214 | 4,761,061 | 15.42 | 42.70 | 6.87 | 17.17 | 56.51 | 7.45 | |
| 6/13/2005 | 7:55 | 7.5 | 3,119,888 | 309,927 | 53.2 | 20,079,087 | | | | 0 | 0 | 3,460,640 | 5,462,539 | 742 | 178 | 0 | 355,200 | 3,684,417 | 355,200 | 9,146,956 | -186 | 0 | | | | | | | | | | |
| 6/16/2005 | 7:55 | 7.2 | 2,885,914 | -233,974 | 53.1 | 20,558,240 | 6/9 to 6/16 | 736,409 | 5,328,809 | 0 | 0 | 3,460,640 | 5,462,539 | - | 0 | - | - | 3,684,417 | - | 9,146,956 | 0 | 0 | 6/9 to 6/16 | 355,942 | 5,117,003 | 15.62 | 43.96 | 6.87 | 21.58 | 56.82 | 7.41 | Pump down since 6/13 or 6/14 (?) |
| 6/20/2005 | 8:12 | 7.7 | 3,280,967 | 395,054 | 53.5 | 20,906,829 | | | | 0 | 0 | 3,460,640 | | - | 0 | 0 | - | 3,684,417 | - | | 0 | 0 | | | | | | | | | | |
| 6/23/2005 | 8:30 | | | | 54.0 | 21,169,994 | | 611,754 | 5,940,563 | 0 | 0 | 3,460,640 | 5,462,539 | | 0 | 0 | 266,400 | 3,950,817 | 266,400 | 9,413,356 | 0 | 0 | 6/16 to 6/23 | 266,400 | 5,383,403 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6/27/2005 | 8:10 | 8.2 | 3,461,035 | | 54.2 | 21,517,142 | | | | 0 | 0 | 3,460,640 | 5,462,539 | - | 1259 | 0 | 355,200 | 4,306,017 | 355,200 | 9,768,556 | | | | | | | | | | | |
| 6/30/2005 | 7:56 | 8.6 | 4,056,279 | 595,244 | 53.0 | 21,774,411 | 6/23 to 6/30 | 604,417 | 6,544,980 | 0 | 0 | 3,460,640 | 5,462,539 | - | 0 | 0 | 266,400 | 4,572,417 | 266,400 | 10,034,956 | 0 | 0 | 6/23 to 6/30 | 621,600 | 6,005,003 | 15.95 | 4.23 | 6.81 | 22.06 | 56.11 | 7.39 | |
| 7/5/2005 | 8:18 | 8.4 | 3,876,852 | -179,426 | 52.5 | 22,193,412 | | | | 115 | 60 | 3,460,640 | 5,462,539 | - | 0 | 0 | 55,500 | 4,627,917 | 55,500 | 10,090,456 | 0 | 0 | | | | | | | | | | Problem with PW02 flow meter |
| 7/7/2005 | 8:01 | 8.4 | 3,876,852 | 0 | 44.8 | 22,463,222 | 6/30 to 7/7 | 688,811 | 7,233,791 | 105 | 60 | 3,460,640 | 5,462,539 | - | 0 | 0 | - | 4,627,917 | - | 10,090,456 | 0 | 0 | 6/30 to 7/7 | 55,500 | 6,060,503 | 16.18 | 23.47 | 6.63 | 22.70 | 60.60 | 7.30 | |
| 7/11/2005 | 7:42 | 8.4 | 3,876,852 | 0 | | 22,470,907 | | | | | | 3,460,640 | 5,462,539 | - | | | | 4,627,917 | - | 10,090,456 | 0 | 0 | | | | | | | | | | Totalizers A-E and F-J not in service |
| 7/14/2005 | 8:18 | 8.2 | 3,701,503 | -175,349 | 28.9 | 22,836,070 | 7/7 to 7/14 | 372,848 | 7,606,639 | 0 | 0 | 3,460,640 | 5,462,539 | - | 0 | 0 | 266,400 | 4,894,317 | 266,400 | 10,356,856 | 0 | 0 | 7/7 to 7/14 | 266,400 | 6,326,903 | 17.69 | 21.16 | 7.00 | 26.08 | 60.38 | 7.57 | Totalizers A-E and F-J not in service |
| 7/18/2005 | 9:33 | 7.9 | 3,446,124 | -255,379 | 40.4 | 23,052,216 | | | | 0 | 0 | 3,460,640 | 5,462,539 | - | 0 | 0 | 355,200 | 5,249,517 | 355,200 | | 0 | 0 | | | | | | | | | | Changed batteries on PW2/Pumps being replaced on AE and FJ |
| 7/21/2005 | 8:42 | 7.7 | 3,280,967 | -165,156 | 47.1 | 23,308,989 | 7/14 to 7/21 | 472,919 | 8,079,558 | 0 | 50 | 3,460,640 | 5,462,539 | - | 915 | 50 | 266,400 | 5,515,917 | 266,400 | 10,978,456 | 0 | 0 | 7/14 to 7/21 | 621,600 | 6,948,503 | 17.20 | 48.65 | 6.66 | 25.43 | 61.74 | 7.28 | See note regarding AE totalizer. |
| 7/25/2005 | 7:20 | 7.5 | 3,119,888 | -161,079 | 47.3 | 23,636,316 | | | | 0 | 0 | | 5,462,539 | - | 0 | 0 | 355,200 | 5,871,117 | 355,200 | | | | | | | | | | | | | Flow on PW-02 was reduced to 18.5 |
| 7/28/2005 | 8:15 | 7 | 2,735,027 | -384,861 | 44.9 | 23,868,338 | 7/21 to 7/28 | 559,349 | 8,638,907 | 135 | 50 | 243,000 | 5,705,539 | 243,000 | - | 50 | 266,400 | 6,137,517 | 266,400 | 11,843,056 | - | #VALUE! | 7/21 to 7/28 | 864,600 | 7,813,103 | 16.63 | 42.52 | 6.61 | 23.30 | 57.90 | 7.26 | Totalizer F-J not in service |
| 8/1/2005 | 7:26 | 6.9 | 2,661,113 | -73,914 | 44.3 | 24,176,264 | | | | 131 | 60 | 324,000 | 6,029,539 | 324,000 | 0 | 0 | 355,200 | 6,492,717 | 355,200 | | -20424 | -14 | | | | | | | | | | |
| 8/4/2005 | 7:15 | 6.5 | 2,375,648 | -285,465 | 44.4 | 24,414,095 | 7/28 to 8/4 | 545,757 | 9,184,664 | 134 | 60 | 243,000 | 6,272,539 | 243,000 | 0 | 60 | 266,400 | 6,759,117 | 266,400 | 13,031,656 | 27069 | 19 | 7/28 to 8/4 | 1,188,600 | 9,001,703 | 16.66 | 43.76 | 6.68 | 23.55 | 58.24 | 7.34 | Irrigation system down/Totalizer F-J not in service |
| 8/8/2005 | 8:12 | 6.1 | 2,106,492 | -269,156 | 44.5 | 24,724,490 | | | | 136 | 60 | 324,000 | 6,596,539 | 324,000 | 0 | 0 | 355,200 | 7,114,317 | 355,200 | 13,710,856 | -20052 | -14 | | | | | | | | | | Totalizer F-J not in service |
| 8/11/2005 | 10:52 | 5.9 | 1,978,029 | -128,462 | 46.6 | 24,960,865 | 8/4 to 8/11 | 546,770 | 9,731,434 | 0 | 0 | 162,000 | 6,758,539 | 162,000 | 0 | 0 | 233,100 | 7,347,417 | 233,100 | 14,105,956 | 52071 | 36 | 8/4 to 8/11 | 1,074,300 | 10,076,003 | 17.56 | 45.59 | 6.70 | 24.90 | 55.37 | 7.35 | Totalizers A-E and F-J not in service |
| 8/15/2005 | 7:27 | 6.1 | 2,106,492 | 128,462 | 46.6 | 25,291,906 | | | | 0 | 0 | 324,000 | 7,082,539 | 324,000 | 0 | 0 | 355,200 | 7,702,617 | 355,200 | 14,785,156 | -41995 | -29 | | | | | | | | | | Broken line/totalizers A-E and F-J not in service |
| 8/18/2005 | 8:00 | 6 | 2,041,751 | -64,741 | 43.6 | 25,489,666 | 8/11 to 8/18 | 528,801 | 10,260,235 | 133 | 60 | 243,000 | 7,325,539 | 243,000 | 0 | 0 | 266,400 | 7,969,017 | 266,400 | 15,294,556 | 26795 | 19 | 8/11 to 8/18 | 1,188,600 | 11,264,603 | 16.32 | 47.34 | 6.74 | 22.33 | 55.06 | 7.41 | started cf3 pumping initially 118 gpm, reduced to 54 gpm for 1 day |
| 8/22/2005 | 8:55 | 5.5 | 1,733,336 | -308,415 | 77.9 | 25,723,619 | 7/22 to 8/18 | 2,180,677 | | 118 | 50 | 162,000 | 7,487,539 | 162,000 | - | - | 266,400 | 8,235,417 | 266,400 | 15,722,956 | 20058 | 14 | 7/22 to 8/18 | 4,316,100 | | | | | | | | restarted pumping cf3 at ~54 gpm, stried 100 gpm test (entire well field) 8/23/05 |
| 8/25/2005 | 8:00 | 5.9 | 1,978,029 | 244,693 | 112.2 | 26,213,612 | 8/18 to 8/25 | 723,946 | 10,984,181 | 118 | 50 | 162,000 | 7,649,539 | 162,000 | - | - | 266,400 | 8,501,817 | 266,400 | 16,151,356 | 0 | 0 | 8/18 to 8/25 | 856,800 | 12,121,403 | | | | | | | ended 100 gpm test 8/26/05 |
| 8/29/2005 | 10:30 | 5.75 | 1,884,358 | -93,671 | 102.0 | 26,544,525 | | | | 92 | 57 | 324,000 | 7,973,539 | 324,000 | - | - | 355,200 | 8,857,017 | 355,200 | 16,830,556 | -39472 | -27 | 8/22 to 8/25 | 428400 | | | | | | | | re-started cf 3 well field at ~65 gpm |
| 9/1/2005 | 10:40 | 6 | 2,041,751 | 157,393 | 94.0 | 26,995,287 | 8/25 to 9/1 | 781,675 | 11,765,856 | 0 | 0 | 243,000 | 8,216,539 | 243,000 | 0 | 30 | 55,500 | 8,912,517 | 55,500 | 17,129,056 | 26938 | 19 | 8/25 to 9/1 | 977,700 | 13,099,103 | 16.85 | 42.27 | 6.52 | 21.44 | 56.68 | 7.35 | |
| 9/6/2005 | 8:53 | 6.5 | 2,375,648 | 333,897 | 97.6 | 27,397,258 | | | | 110 | 47 | 405,000 | 8,621,539 | 405,000 | - | - | 55,500 | 8,968,017 | 55,500 | 17,589,556 | -32889 | -23 | | | | | | | | | | |
| 9/8/2005 | 9:36 | 6.25 | 2,205,514 | -170,134 | 99.2 | 27,682,372 | 9/1 to 9/8 | 687,085 | 12,452,941 | 95 | 55 | 162,000 | 8,783,539 | 162,000 | - | 18 | 177,600 | 9,145,617 | 177,600 | 17,929,156 | 119713 | 83 | 9/1 to 9/8 | 800,100 | 13,899,203 | 16.82 | 39.27 | 6.72 | 21.64 | 52.13 | 7.56 | |
| 9/12/2005 | 8:20 | 6.3 | 2,239,031 | 33,517 | 97.9 | 28,028,134 | | | | 132 | 50 | 5,460,586 | 9,253,435 | 469,896 | | | 355,200 | 9,500,817 | 355,200 | 18,754,252 | -1342358 | -932 | | | | | | | | | | F-J flow meter not working |
| 9/15/2005 | 8:20 | 6.3 | 2,239,031 | 0 | 85.0 | 28,445,992 | 9/8 to 9/15 | 763,620 | 13,216,561 | 107 | 50 | 5,615,096 | 9,407,945 | 154,510 | - | - | 266,400 | 9,767,217 | 266,400 | 19,175,162 | -51503 | -36 | 9/8 to 9/15 | 1,246,006 | 15,145,209 | 16.02 | 30.78 | 6.70 | 14.17 | 44.80 | 7.58 | Electrician caused interruptions |
| 9/19/2005 | 8:05 | 6 | 2,041,751 | -197,280 | 86.1 | 28,690,354 | | | | 55 | 5- | 6,381,886 | 10,174,735 | 766,790 | 570 | 20 | 355,200 | 10,122,417 | 355,200 | 20,297,152 | -192198 | -133 | | | | | | | | | | PW02 out of service, a-e, f-j meters reset |
| 9/22/2005 | 8:17 | 5.9 | 1,978,029 | -63,722 | 85.5 | 28,998,470 | 9/15 to 9/22 | 552,478 | 13,769,039 | 111 | 60 | 166,480 | 10,341,215 | 166,480 | 159 | 20 | 194,601 | 10,317,018 | 194,601 | 20,658,233 | 2066063 | 1435 | | | | | | | | | | |
| 9/26/2005 | 8:27 | 6 | 2,041,751 | 63,722 | 75.2 | 29,435,891 | | | | 121 | 50 | 276,788 | 10,451,523 | 110,308 | 160 | 20 | 508,422 | 10,630,839 | 313,821 | 21,082,362 | -27529 | -19 | | | | | | | | | | |
| 9/29/2005 | 9:30 | 6.2 | 2,172,252 | 130,501 | 89.9 | 29,811,706 | 9/22 to 9/29 | 813,236 | 14,582,275 | 0 | 0 | 145,200 | 10,596,723 | 145,200 | 160 | 20 | 766,380 | 10,888,797 | 257,958 | 21,485,520 | 43232 | 30 | 9/22 to 9/29 | 827,287 | 17,455,567 | 15.49 | 26.73 | 6.88 | 12.87 | 42.35 | 7.66 | PW02 and FJ out of service |
| **10/1/2005** | | | | | | **30,067,133** | **10/1/05** | | **14,837,702** | | | | | | | | | | | **21,654,836** | | | **10/1/05** | | **17,624,883** | | | | | | | **start of FY06** |
| 10/3/2005 | 8:12 | 6.6 | 2,445,485 | 273,233 | 88.1 | 30,314,808 | 8/22 to 8/29 | 4,088,087 | | 123 | 40 | 519,175 | 10,693,910 | 97,187 | 164 | 55 | 884,283 | 11,006,700 | 117,903 | 21,700,610 | -94777 | -66 | 8/22 to 9/29 | 5,762,564 | | | | | | | | PW02 out of service |
| 10/6/2005 | 8:37 | 6.6 | 2,445,485 | 0 | 90.1 | 30,705,702 | 9/29 to 10/6 | 893,996 | 638,569 | 105 | 20 | 692,531 | 10,867,266 | 173,356 | 160 | 50 | 1,088,442 | 11,210,859 | 204,159 | 22,078,125 | -57453 | -40 | 9/29 to 10/6 | 592,605 | 423,289 | 15.81 | 34.05 | 6.81 | 12.83 | 40.82 | 7.71 | PW02 out of service |
| 10/10/2005 | 8:35 | 6.6 | 2,445,485 | 0 | 90.0 | 31,229,242 | | | | 106 | 30 | 1,369,687 | 11,540,422 | 673,156 | 159 | 50 | 1,404,655 | 11,527,072 | 316,213 | 23,067,494 | -168347 | -117 | | | | | | | | | | PW02 out of service |
| 10/13/2005 | 8:23 | 6.6 | 2,445,485 | 0 | 90.2 | 31,622,335 | 10/6 to 10/13 | 916,633 | 1,555,202 | 108 | 30 | 1,517,506 | 11,692,241 | 151,819 | 161 | 50 | 1,647,054 | 11,769,471 | 242,399 | 23,461,712 | -50747 | -35 | 10/6 to 10/13 | 1,383,587 | 1,806,876 | | | | | | | |
| 10/17/2005 | 8:11 | 6.6 | 2,445,485 | 0 | 89.9 | 32,141,003 | | | | 107 | 30 | 1,756,469 | 11,931,204 | 238,963 | 166 | 50 | 1,976,090 | 12,098,507 | 329,036 | 24,029,711 | -59865 | -42 | | | | | | | | | | PW02 restarted at ~15 gpm, reduced cf3 to ~22 gpm |
| 10/20/2005 | 8:00 | 6.4 | 2,306,830 | -138,655 | 62.6 | 32,388,695 | 10/13 to 10/20 | 766,360 | 2,321,562 | 0 | 0 | 1,910,956 | 12,085,691 | 154,487 | 162 | 50 | 2,226,641 | 12,349,058 | 250,551 | 24,434,749 | -51627 | -36 | 10/13 to 10/20 | 973,037 | 2,779,913 | 16.43 | 28.40 | 6.73 | 15.05 | 35.02 | 7.74 | |
| 10/24/2005 | 8:40 | 6.1 | 2,106,492 | -200,338 | 64.4 | 32,782,951 | 10/1 to 10/24 | 2,695,818 | 2,695,818 | 105 | 50 | 2,102,209 | 12,276,944 | 191,253 | 167 | 30 | 2,566,375 | 12,688,792 | 339,734 | 24,965,736 | -47484 | -33 | 10/1 to 10/24 | 3,310,900 | 3,310,900 | | | | | | | |
| 10/27/2005 | 8:30 | 6 | 2,041,751 | -64,741 | 63.0 | 33,042,881 | 10/20 to 10/27 | 654,186 | 2,975,748 | 103 | 50 | 2,296,797 | 12,471,532 | 194,588 | 170 | 30 | 2,806,010 | 12,928,427 | 239,635 | 25,399,959 | -65013 | -45 | 10/20 to 10/27 | 965,210 | 3,745,123 | 17.14 | 34.84 | 6.76 | 15.15 | 34.88 | 7.78 | |
| 10/31/2005 | 8:12 | 5.4 | 1,674,711 | -367,040 | 63.1 | 33,419,778 | | | | 103 | 50 | 2,548,977 | 12,723,712 | 252,180 | 0 | 0 | 3,111,755 | 13,234,172 | 305,745 | 25,957,884 | -63243 | -44 | | | | | | | | | | |
| 11/3/2005 | 7:48 | 5.8 | 1,915,327 | 240,616 | 62.8 | 33,698,356 | 10/27 to 11/3 | 653,454 | 3,629,202 | 0 | 0 | 2,595,899 | 12,770,634 | 46,922 | 0 | 0 | 3,111,755 | 13,234,172 | - | 26,004,806 | -15728 | -11 | 10/27 to 11/3 | 604,847 | 4,349,970 | 16.35 | 29.99 | 6.81 | 10.40 | 28.99 | 7.94 | Totalizers A-E and F-J not in service |
| 11/7/2005 | 9:22 | 6.25 | 2,205,514 | 290,187 | 62.8 | 34,073,871 | | | | 104 | 54 | 2,655,829 | 12,830,564 | 59,930 | 0 | 166 | 3,111,755 | 13,234,172 | - | 26,064,736 | -14742 | -10 | | | | | | | | | | |
| 11/10/2005 | 7:40 | 6.2 | 2,172,252 | -33,262 | 62.7 | 34,347,319 | 11/3 to 11/10 | 650,984 | 4,280,186 | 101 | 50 | 2,799,808 | 12,974,543 | 143,979 | 163 | 30 | 3,186,621 | 13,309,038 | 74,866 | 26,283,581 | -49154 | -34 | 11/3 to 11/10 | 278,775 | 4,628,745 | 16.32 | 31.96 | 6.73 | 9.77 | 33.06 | 7.80 | 24,000 gal from evap pond to water truck |
| 11/14/2005 | 8:22 | 6.5 | 2,375,648 | 203,396 | 81.8 | 34,697,232 | | | | 0 | 0 | 2,917,703 | 13,092,438 | 117,895 | 165 | 50 | 3,346,181 | 13,468,598 | 159,560 | 26,561,036 | -29260 | -20 | | | | | | | | | | |
| 11/17/2005 | 8:38 | 6.5 | 2,375,648 | 0 | 64.6 | 35,002,952 | 11/10 to 11/17 | 655,633 | 4,935,819 | 0 | 0 | 3,003,768 | 13,178,503 | 86,065 | 0 | 0 | 3,490,636 | 13,613,053 | 144,455 | 26,791,556 | -28582 | -20 | 11/10 to 11/17 | 507,975 | 5,136,720 | 15.28 | 32.59 | 6.59 | 5.73 | 34.23 | 7.70 | |
| 11/21/2005 | 8:17 | 6.7 | 2,516,342 | 140,694 | 59.8 | 35,369,738 | 10/24 to 11/21 | 2,606,787 | 5,302,605 | | 74 | 3,104,454 | 13,279,189 | 100,686 | 168 | 40 | 3,563,112 | 13,685,529 | 72,476 | 26,964,718 | -25264 | -18 | 10/24 to 11/21 | 1,998,982 | 5,309,882 | | | | | | | |
| 11/25/2005 | 8:20 | 8 | 3,530,231 | 249,264 | 61.8 | 36,490,864 | | | | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | | | | | | | | | | sprinkler system shut down for winter on 11/22/05 14:36 |
| 12/8/2005 | 8:00 | 8.25 | 3,744,958 | 214,727 | 0.0 | 36,649,447 | 12/1 to 12/8 | 481,882 | 6,582,314 | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | 12/1 to 12/8 | 0 | 5,417,277 | | | | | | | cf1, cf3, and pw02 shut down for winter on 12/7/05 |
| 12/12/2005 | 13:37 | 8.25 | 3,744,958 | 0 | 0.0 | 36,649,447 | | | | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | | | | | | | | | | |
| 12/15/2005 | 12:00 | 8.25 | 3,744,958 | - | 0.0 | 36,649,447 | 12/8 to 12/15 | 0 | 6,582,314 | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | 12/8 to 12/15 | 0 | 5,417,277 | | | | | | | |
| 12/19/2005 | 7:55 | 8.3 | 3,788,668 | - | 0.0 | 36,649,447 | | | | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | | | | | | | | | | | | bats changed on CF2 flow meters |
| 12/22/2005 | 8:28 | 8.3 | 3,788,668 | 0 | 0.0 | 36,649,447 | | | | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | | | | | | | 2.17 | 30.80 | 7.66 | |
| 12/27/2005 | 8:04 | 8.3 | 3,788,668 | 0 | 0.0 | 36,649,447 | 11/21 to 12/27 | 1,279,709 | 6,582,314 | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | 11/21 to 12/27 | 107,395 | 5,417,277 | | | | | | | |
| 12/29/2005 | 10:31 | 8.25 | 3,744,958 | -43,710 | 0.0 | 36,649,447 | 12/19 to 12/29 | 0 | 6,582,314 | 0 | 0 | 3,160,460 | 13,335,195 | - | 0 | 0 | 3,614,501 | 13,736,918 | - | 27,072,113 | 0 | 0 | 12/19 to 12/29 | 0 | 5,417,277 | | | | | | | |

# Appendix G

# Observation Well, Piezometer, and Surface Water Analytical Data

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 737 | | F | # | - | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 905 | | F | # | - | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 839 | | F | # | - | - |
| | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 - 17.00 | 502 | | F | # | - | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 319 | | F | # | - | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 226 | | F | # | - | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 216 | | F | # | - | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 - 18.00 | 260 | | F | # | - | - |
| | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 226 | | F | # | - | - |
| | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 208 | | F | # | - | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 416 | | F | # | - | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 218 | | F | # | - | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 - 18.00 | 410 | | F | # | - | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 - 18.00 | 289 | | F | # | - | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 210 | | F | # | - | - |
| | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 270 | | F | # | - | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 - 18.00 | 264 | | F | # | - | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 226 | | F | # | - | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 256 | | F | # | - | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 872 | | F | # | - | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 223 | | F | # | - | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 210 | | F | # | - | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 219 | | F | # | - | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 - 18.00 | 270 | | F | # | - | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 - 17.00 | 220 | | F | # | - | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 - 17.00 | 202 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 - 17.00 | 450 | | F | # | - | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 - 17.00 | 466 | | F | # | - | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 - 17.00 | 346 | | F | # | - | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 212 | | F | # | - | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 - 17.00 | 204 | | F | # | - | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 - 17.00 | 214 | | F | # | - | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 251 | | F | # | - | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 - 17.00 | 290 | | F | # | - | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 - 17.00 | 350 | | F | # | - | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 - 17.00 | 302 | | F | # | - | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 204 | | F | # | - | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 172 | | F | # | - | - |
| | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 786 | | F | # | - | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 784 | | F | # | - | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 810 | | F | # | - | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 992 | | F | # | - | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 775 | | F | # | - | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 790 | | F | # | - | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 810 | | F | # | - | - |
| | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 - 28.00 | 902 | | F | # | - | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 260 | | F | # | - | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 255 | | F | # | - | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 252 | | F | # | - | - |
| | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 - 58.00 | 360 | | F | # | - | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 799 | | F | # | - | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 746 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 660 | | F # | - | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 622 | | F # | - | - |
| | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 546 | | F # | - | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 520 | | F # | - | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 382 | | F # | - | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 192 | | F # | - | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 534 | | F # | - | - |
| | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 362 | | # | - | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 330 | | F # | - | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 464 | | F # | - | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 784 | | F # | - | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 528 | | F # | - | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 512 | | F # | - | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 450 | | F # | - | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 794 | | F # | - | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 761 | | F # | - | - |
| | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 740 | | F # | - | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 780 | | F # | - | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 902 | | F # | - | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 710 | | F # | - | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 746 | | F # | - | - |
| | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 248 | | F # | - | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 244 | | F # | - | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 254 | | F # | - | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 192 | | F # | - | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 742 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 849 | | F # | - | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 797 | | F # | - | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 780 | | F # | - | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 804 | | F # | - | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 800 | | F # | - | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 782 | | F # | - | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 952 | | F # | - | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 880 | | F # | - | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 822 | | F # | - | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 800 | | F # | - | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 434 | | F # | - | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 850 | | F # | - | - |
| | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 698 | | F # | - | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 600 | | F # | - | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 692 | | F # | - | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 800 | | F # | - | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 760 | | F # | - | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 606 | | F # | - | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 270 | | F # | - | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 487 | | F # | - | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 517 | | F # | - | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 474 | | F # | - | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 398 | | F # | - | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 778 | | F # | - | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 686 | | F # | - | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 408 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 794 | | F | # | - | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 756 | | F | # | - | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 748 | | F | # | - | - |
| | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 400 | | F | # | - | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 536 | | F | # | - | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 214 | | F | # | - | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 354 | | | # | - | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 310 | | F | # | - | - |
| | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 326 | | F | # | - | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 254 | | F | # | - | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 220 | | F | # | - | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 246 | | F | # | - | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 290 | | F | # | - | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 390 | | F | # | - | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 390 | | F | # | - | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 382 | | F | # | - | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 334 | | F | # | - | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 395 | | F | # | - | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 416 | | F | # | - | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 410 | | F | # | - | - |
| | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 350 | | F | # | - | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 430 | | F | # | - | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 480 | | F | # | - | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 352 | | F | # | - | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 516 | | F | # | - | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 604 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 444 | | F # | - | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 582 | | F # | - | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 664 | | F # | - | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 640 | | F # | - | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 508 | | F # | - | - |
| | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 510 | | F # | - | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 504 | | F # | - | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 526 | | F # | - | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 514 | | F # | - | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 472 | | F # | - | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 215 | | F # | - | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 320 | | F # | - | - |
| | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 266 | | F # | - | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 312 | | F # | - | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 366 | | F # | - | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 282 | | F # | - | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 436 | | F # | - | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 496 | | F # | - | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 510 | | F # | - | - |
| Ammonia Total as N | mg/L | 0403 | WL | 04/08/2004 | 0001 | 13.26 - 18.18 | 600 | | F # | 50 | - |
| | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 370 | | F # | 10 | - |
| | mg/L | 0403 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 390 | | F # | 50 | - |
| | mg/L | 0403 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 130 | | F # | 10 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 780 | | JF # | 50 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0002 | 17.00 - 17.00 | 740 | | JF # | 50 | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 680 | | F # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 - 17.00 | 380 | F | # | 50 | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 170 | F | # | 5 | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 69 | F | # | 2 | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 38 | F | # | 1 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 - 18.00 | 56 | F | # | 5 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0002 | 18.00 - 18.00 | 57 | F | # | 2 | - |
| | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 41 | F | # | 2 | - |
| | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 31 | F | # | 10 | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 170 | F | # | 50 | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 40 | F | # | 5 | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 - 18.00 | 110 | F | # | 10 | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 - 18.00 | 64 | F | # | 20 | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 39 | F | # | 1 | - |
| | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 62 | F | # | 20 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 - 18.00 | 77 | F | # | 20 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0002 | 18.00 - 18.00 | 77 | F | # | 20 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 59.400 | F | # | 0.549 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 63.600 | F | # | 2.19 | - |
| | mg/L | 0407 | WL | 04/07/2004 | 0001 | 13.33 - 18.25 | 560 | F | # | 50 | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 690 | F | # | 20 | - |
| | mg/L | 0407 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 660 | F | # | 50 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 130 | F | # | 10 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0002 | 17.00 - 17.00 | 130 | F | # | 10 | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 81 | JF | # | 2 | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 93 | F | # | 5 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 62 | F | # | 2 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0407 | WL | 10/14/2004 | 0002 | 18.00 - 18.00 | 64 | F | # | 2 | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 - 18.00 | 53 | F | # | 2 | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 - 17.00 | 35 | F | # | 2 | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 - 17.00 | 37 | F | # | 1 | - |
| | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 - 17.00 | 460 | F | # | 50 | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 - 17.00 | 280 | F | # | 50 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 - 17.00 | 130 | F | # | 10 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0002 | 17.00 - 17.00 | 130 | F | # | 10 | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 49 | F | # | 2 | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 - 17.00 | 23 | F | # | 5 | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 - 17.00 | 9.9 | F | # | 0.2 | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 6.7 | F | # | 0.2 | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 - 17.00 | 12 | F | # | 0.5 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 - 17.00 | 19 | F | # | 0.5 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0002 | 17.00 - 17.00 | 18 | F | # | 0.5 | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 - 17.00 | 15 | F | # | 0.5 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 15.300 | F | # | 0.549 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 18.400 | F | # | 0.549 | - |
| | mg/L | 0480 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 940 | F | # | 50 | - |
| | mg/L | 0480 | WL | 06/03/2004 | 0001 | 18.00 - 18.00 | 1000 | F | # | 50 | - |
| | mg/L | 0480 | WL | 07/06/2004 | 0001 | 18.00 - 18.00 | 940 | F | # | 50 | - |
| | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 1100 | JF | # | 50 | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 1000 | F | # | 50 | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 940 | F | # | 50 | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 770 | F | # | 50 | - |
| | mg/L | 0481 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 1000 | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0481 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 930 | | F # | 50 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0002 | 28.00 - 28.00 | 960 | | F # | 50 | - |
| | mg/L | 0481 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 940 | | F # | 50 | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 1100 | | JF # | 50 | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 1000 | | F # | 50 | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 920 | | F # | 50 | - |
| | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 - 28.00 | 800 | | F # | 50 | - |
| | mg/L | 0482 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 610 | | F # | 50 | - |
| | mg/L | 0482 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 640 | | F # | 50 | - |
| | mg/L | 0482 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 570 | | F # | 50 | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 570 | | JF # | 50 | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 530 | | F # | 50 | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 540 | | F # | 50 | - |
| | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 - 58.00 | 570 | | F # | 50 | - |
| | mg/L | 0483 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 930 | | F # | 50 | - |
| | mg/L | 0483 | WL | 06/03/2004 | 0001 | 18.00 - 18.00 | 1000 | | F # | 50 | - |
| | mg/L | 0483 | WL | 07/06/2004 | 0001 | 18.00 - 18.00 | 1200 | | F # | 50 | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 1400 | | JF # | 50 | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 1500 | | F # | 50 | - |
| | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 870 | | F # | 50 | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 650 | | F # | 50 | - |
| | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 520 | | F # | 50 | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 320 | | F # | 50 | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 310 | | F # | 50 | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 450 | | F # | 10 | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 470 | | F # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 51 | | # | 5 | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 82 | F | # | 2 | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 560 | F | # | 50 | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 430 | F | # | 20 | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 430 | F | # | 20 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 340.000 | F | # | 5.49 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 327.000 | F | # | 5.49 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 1100 | F | # | 50 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0002 | 28.00 - 28.00 | 1100 | F | # | 50 | - |
| | mg/L | 0484 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 1100 | F | # | 50 | - |
| | mg/L | 0484 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 1100 | F | # | 50 | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 1300 | JF | # | 50 | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 1300 | F | # | 50 | - |
| | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 1500 | F | # | 50 | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 1500 | F | # | 50 | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 1100 | F | # | 50 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 1500 | F | # | 50 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 1600 | F | # | 50 | - |
| | mg/L | 0485 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 450 | F | # | 50 | - |
| | mg/L | 0485 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 500 | F | # | 50 | - |
| | mg/L | 0485 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 460 | F | # | 50 | - |
| | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 470 | JF | # | 50 | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 470 | F | # | 50 | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 420 | F | # | 50 | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 500 | F | # | 50 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 2300 | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 1100 | | F # | 50 | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 1300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 1200 | | F # | 50 | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 1300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 1300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0002 | 40.00 - 40.00 | 1300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 860 | | F # | 50 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 2300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 950 | | F # | 50 | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 1000 | | F # | 50 | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 1700 | | F # | 50 | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 2400 | | F # | 50 | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 1000 | | F # | 50 | - |
| | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 1700 | | F # | 50 | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 1500 | | F # | 50 | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 1300 | | F # | 50 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 1000 | | F # | 50 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 1000 | | F # | 50 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 1100 | | F # | 50 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 1600 | | F # | 50 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 1000 | | F # | 50 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 2100 | | F # | 50 | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 2000 | | F # | 50 | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 2000 | | F # | 50 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 1700 | | F # | 50 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 2200 | | F # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0558 | WL | 01/27/2005 | 0002 | 36.00 - 36.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 1400 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 760 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 770 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 800 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0002 | 19.00 - 19.00 | 800 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 460 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 430 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 280 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 130 | | | # | 5 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 140 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0002 | 19.00 - 19.00 | 140 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 180 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 140 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 15 | | F | # | 5 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 31 | | F | # | 1 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0002 | 10.52 - 20.45 | 30 | | F | # | 1 | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 48 | | F | # | 1 | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 140 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 150 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 134.000 | | F | # | 5.49 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 169.000 | | F | # | 2.19 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 1800 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 1800 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 1900 | | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 1800 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 2000 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 2200 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 2200 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 1800 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0002 | 31.00 - 31.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 650 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0002 | 30.00 - 40.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 1600 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 1500 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 1500 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 1500 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 580 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 960 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 820 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 250 | | F | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 280 | | F | # | 10 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 340 | | F | # | 20 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 340 | | F | # | 20 | - |
| Biochemical Oxygen Dema | mg/L | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 0.42 | | F | # | 0.1 | - |
| | mg/L | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 1.16 | | F | # | 0.1 | - |
| | mg/L | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 1.19 | | F | # | 0.1 | - |
| | mg/L | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 0.16 | | F | # | 0.1 | - |
| | mg/L | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 1.86 | | F | # | 0.1 | - |
| | mg/L | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 0.6 | | F | # | 0.1 | - |
| | mg/L | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 1.86 | | F | # | 0.1 | - |
| Bromide | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.026 | U | F | # | 0.026 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 0.069 | B | F | # | 0.026 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 1.6 | | F | # | 0.026 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 37 | | F | # | 10 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 20 | U | F | # | 20 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 20 | U | F | # | 20 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 0.30 | | F | # | 0.026 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 20 | U | F # | 20 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 20 | U | F # | 20 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 20 | U | F # | 20 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 20 | U | F # | 20 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 2 | U | F # | 2 | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 2 | U | F # | 2 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 4 | U | F # | 4 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 4 | U | F # | 4 | - |
| Carbon Dioxide | mg/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 14 | | F # | 0.53 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 14 | | F # | 0.53 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 - 17.00 | 17 | | F # | 0.53 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 - 17.00 | 12 | | F # | 0.53 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 30 | | F # | 0.53 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 29 | | F # | 0.53 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 - 19.00 | 17 | | F # | 0.53 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 - 19.00 | 20 | | F # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 23.0 | | F # | 9.2 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 9.2 | U | JF # | 9.2 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 22.0 | | F # | 9.2 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 11.0 | B | JF # | 9.2 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 440 | | F # | 9.2 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 770 | | JF # | 9.2 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 129 | | F # | 9.2 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 9.2 | U | JF # | 9.2 | - |
| Chloride | mg/L | 0403 | WL | 04/08/2004 | 0001 | 13.26 - 18.18 | 3500 | | F # | 100 | - |
| | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 3000 | | F # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0403 | WL | 06/03/2004 | 0001 | 17.00 -17.00 | 2900 | | F | # | 40 | - |
| | mg/L | 0403 | WL | 07/07/2004 | 0001 | 17.00 -17.00 | 4500 | | F | # | 100 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 -17.00 | 3900 | | JF | # | 40 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0002 | 17.00 -17.00 | 3900 | | JF | # | 40 | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 -17.00 | 3700 | | F | # | 100 | - |
| | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 -17.00 | 1900 | | F | # | 100 | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 -16.00 | 1000 | | F | # | 20 | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 -18.00 | 300 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 190 | | F | # | 4 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 -18.00 | 280 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0002 | 18.00 -18.00 | 260 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 -18.00 | 180 | | F | # | 4 | - |
| | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 -18.00 | 170 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 20 | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 -18.00 | 100 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 -18.00 | 570 | N | F | # | 10 | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 -18.00 | 470 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 -18.00 | 390 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 -18.00 | 280 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 -18.00 | 400 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0002 | 18.00 -18.00 | 380 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 256 | | F | # | 5 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 282 | J | F | # | 25 | - |
| | mg/L | 0407 | WL | 04/07/2004 | 0001 | 13.33 -18.25 | 5400 | | F | # | 100 | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 -16.50 | 4900 | | F | # | 200 | - |
| | mg/L | 0407 | WL | 06/03/2004 | 0001 | 17.00 -17.00 | 4400 | | F | # | 100 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0407 | WL | 07/07/2004 | 0001 | 17.00 -17.00 | 470 | | F | # | 20 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0002 | 17.00 -17.00 | 470 | | F | # | 20 | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 -17.00 | 290 | | JF | # | 4 | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 -17.00 | 440 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 440 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0002 | 18.00 -18.00 | 430 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 -18.00 | 280 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 -17.00 | 150 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 -17.00 | 200 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 -17.00 | 4500 | | F | # | 100 | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 -17.00 | 3000 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 -17.00 | 910 | | F | # | 20 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0002 | 17.00 -17.00 | 900 | | F | # | 20 | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 450 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 -17.00 | 25 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 -17.00 | 20 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 20 | | F | # | 0.2 | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 -17.00 | 24 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 -17.00 | 82 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0002 | 17.00 -17.00 | 77 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 -17.00 | 200 | | F | # | 4 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 167 | | F | # | 5 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 2290 | J | F | # | 25 | - |
| | mg/L | 0480 | WL | 04/07/2004 | 0001 | 18.00 -18.00 | 7700 | | F | # | 100 | - |
| | mg/L | 0480 | WL | 06/03/2004 | 0001 | 18.00 -18.00 | 7100 | | F | # | 100 | - |
| | mg/L | 0480 | WL | 07/06/2004 | 0001 | 18.00 -18.00 | 8300 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 -18.00 | 8700 | | JF | # | 100 | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 -18.00 | 9000 | | F | # | 100 | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 -18.00 | 9400 | | F | # | 100 | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 -18.00 | 5500 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 04/07/2004 | 0001 | 28.00 -28.00 | 8100 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0001 | 28.00 -28.00 | 7600 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0002 | 28.00 -28.00 | 7600 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 07/06/2004 | 0001 | 28.00 -28.00 | 9200 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 -28.00 | 9100 | | JF | # | 100 | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 -28.00 | 9100 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 -28.00 | 9900 | | F | # | 100 | - |
| | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 -28.00 | 8200 | | F | # | 100 | - |
| | mg/L | 0482 | WL | 04/07/2004 | 0001 | 58.00 -58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0482 | WL | 06/03/2004 | 0001 | 58.00 -58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0482 | WL | 07/06/2004 | 0001 | 58.00 -58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 -58.00 | 48000 | | JF | # | 1000 | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 -58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 -58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 -58.00 | 53000 | | F | # | 1000 | - |
| | mg/L | 0483 | WL | 04/07/2004 | 0001 | 18.00 -18.00 | 4900 | | F | # | 100 | - |
| | mg/L | 0483 | WL | 06/03/2004 | 0001 | 18.00 -18.00 | 6800 | | F | # | 100 | - |
| | mg/L | 0483 | WL | 07/06/2004 | 0001 | 18.00 -18.00 | 8100 | | F | # | 100 | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 -18.00 | 11000 | | JF | # | 200 | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 -18.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 -18.00 | 8800 | | F | # | 100 | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 -18.00 | 4700 | | F | # | 100 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 3700 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 2500 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 5200 | | F | # | 200 | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 3800 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 230 | | | # | 10 | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 450 | | F | # | 10 | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 5000 | | F | # | 100 | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 3800 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 3400 | | F | # | 40 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 2020 | | F | # | 25 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 1870 | J | F | # | 25 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 9200 | | F | # | 100 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0002 | 28.00 - 28.00 | 9300 | | F | # | 100 | - |
| | mg/L | 0484 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 9200 | | F | # | 100 | - |
| | mg/L | 0484 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 9500 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 10000 | | JF | # | 200 | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 12000 | | F | # | 200 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 18000 | | F | # | 200 | - |
| | mg/L | 0485 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 49000 | | F | # | 1000 | - |
| | mg/L | 0485 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0485 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 47000 | | F | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 50000 | | JF | # | 1000 | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 46000 | | F | # | 1000 | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 49000 | | F | # | 1000 | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 54000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 9000 | | F | # | 100 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 12000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0002 | 40.00 - 40.00 | 12000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 9500 | | F | # | 100 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 15000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 39000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 19000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 14000 | | F | # | 200 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 36000 | | F | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 47000 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 34000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 35000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 35000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0002 | 36.00 - 36.00 | 34000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 34000 | | F | # | 400 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 43000 | | F | # | 1000 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 5100 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 5100 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 6000 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0002 | 19.00 - 19.00 | 6300 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 4400 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 2600 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 1600 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 860 | | | # | 20 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 870 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0002 | 19.00 - 19.00 | 900 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 1500 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 540 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 160 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 110 | | F | # | 4 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0002 | 10.52 - 20.45 | 100 | | F | # | 4 | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 160 | | F | # | 4 | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 1200 | | F | # | 20 | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 1100 | | F | # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 776 | | F | # | 5 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 868 | J | F | # | 25 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 40000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 40000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 39000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 41000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 37000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 39000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 36000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 36000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 37000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 40000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 35000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0002 | 31.00 - 31.00 | 33000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 9500 | | F | # | 100 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 35000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0002 | 30.00 - 40.00 | 35000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 38000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 35000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 26000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 37000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 36000 | | F | # | 400 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 39000 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 44000 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 50000 | | F | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 46000 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 44000 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 53000 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 48000 | | F | # | 1000 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 1700 | | F | # | 20 | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 2500 | | F | # | 40 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 2600 | | F | # | 40 | - |
| Dissolved Organic Carbon | mg/L | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 2050 | H | JF | # | 43 | - |
| | mg/L | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 5.7 | | F | # | 0.474 | - |
| | mg/L | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 1140 | H | JF | # | 43 | - |
| | mg/L | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 5.0 | | F | # | 0.474 | - |
| | mg/L | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 929 | | JF | # | 43 | - |
| | mg/L | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 5.8 | | F | # | 0.474 | - |
| | mg/L | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 1500 | H | JF | # | 43 | - |
| | mg/L | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 5.0 | | F | # | 0.474 | - |
| Dissolved Oxygen | mg/L | 0403 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 0.74 | | F | # | - | - |
| | mg/L | 0403 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 2.24 | | F | # | - | - |
| | mg/L | 0403 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 2.82 | | F | # | - | - |
| | mg/L | 0403 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 2.08 | | F | # | - | - |
| | mg/L | 0403 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 2.44 | | F | # | - | - |
| | mg/L | 0403 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 1.50 | | F | # | - | - |
| | mg/L | 0403 | WL | 09/27/2005 | N001 | 18.00 - 18.00 | 1.95 | | F | # | - | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 3.1 | | F | # | 0.07 | - |
| | mg/L | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 0.92 | | F | # | - | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 5.6 | | F | # | 0.07 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 2.06 | | F # | - | - |
| | mg/L | 0407 | WL | 10/28/2004 | N001 | 18.00 - 18.00 | 2.13 | | F # | - | - |
| | mg/L | 0407 | WL | 03/15/2005 | N001 | 17.00 - 17.00 | 2.53 | | F # | - | - |
| | mg/L | 0407 | WL | 07/26/2005 | N001 | 17.00 - 17.00 | 2.74 | | F # | - | - |
| | mg/L | 0407 | WL | 08/24/2005 | N001 | 17.00 - 17.00 | 1.76 | | F # | - | - |
| | mg/L | 0407 | WL | 09/27/2005 | N001 | 17.00 - 17.00 | 2.12 | | F # | - | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 - 17.00 | 4.2 | | F # | 0.07 | - |
| | mg/L | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 1.04 | | F # | - | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 - 17.00 | 3.1 | | F # | 0.07 | - |
| | mg/L | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 1.99 | | F # | - | - |
| | mg/L | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 2.97 | | F # | - | - |
| | mg/L | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 1.80 | | F # | - | - |
| | mg/L | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 4.42 | | F # | - | - |
| | mg/L | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 2.45 | | F # | - | - |
| | mg/L | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 2.22 | | F # | - | - |
| | mg/L | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 2.55 | | F # | - | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 3.8 | | F # | 0.07 | - |
| | mg/L | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 0.86 | | F # | - | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 4.6 | | F # | 0.07 | - |
| | mg/L | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 2.86 | | F # | - | - |
| | mg/L | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 0.66 | | F # | - | - |
| | mg/L | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 1.16 | | F # | - | - |
| | mg/L | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 1.26 | | F # | - | - |
| | mg/L | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 1.14 | | F # | - | - |
| | mg/L | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 1.48 | | F # | - | - |
| | mg/L | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 2.12 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 1.46 | F | # | - | - |
| | mg/L | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 2.88 | F | # | - | - |
| | mg/L | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 0.89 | F | # | - | - |
| | mg/L | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 0.67 | F | # | - | - |
| | mg/L | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 0.98 | F | # | - | - |
| | mg/L | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 0.87 | F | # | - | - |
| | mg/L | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 0.75 | F | # | - | - |
| | mg/L | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 5.29 | F | # | - | - |
| | mg/L | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 3.11 | F | # | - | - |
| | mg/L | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 2.28 | F | # | - | - |
| | mg/L | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 2.86 | F | # | - | - |
| | mg/L | 0559 | WL | 08/24/2005 | N001 | 19.00 - 19.00 | 1.49 | F | # | - | - |
| | mg/L | 0559 | WL | 09/27/2005 | N001 | 19.00 - 19.00 | 1.95 | F | # | - | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 - 19.00 | 2.6 | F | # | 0.07 | - |
| | mg/L | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 1.00 | F | # | - | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 - 19.00 | 6.2 | F | # | 0.07 | - |
| | mg/L | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 2.26 | F | # | - | - |
| | mg/L | 0560 | WL | 02/24/2005 | N001 | 31.00 - 31.00 | 0.84 | F | # | - | - |
| | mg/L | 0560 | WL | 03/14/2005 | N001 | 31.00 - 31.00 | 1.83 | F | # | - | - |
| | mg/L | 0560 | WL | 04/27/2005 | N001 | 31.00 - 31.00 | 2.47 | F | # | - | - |
| | mg/L | 0560 | WL | 07/26/2005 | N001 | 31.00 - 31.00 | 0.90 | F | # | - | - |
| | mg/L | 0560 | WL | 08/24/2005 | N001 | 31.00 - 31.00 | 1.30 | F | # | - | - |
| | mg/L | 0560 | WL | 09/27/2005 | N001 | 31.00 - 31.00 | 2.04 | F | # | - | - |
| | mg/L | 0560 | WL | 10/12/2005 | N001 | 31.00 - 31.00 | 0.94 | F | # | - | - |
| | mg/L | 0560 | WL | 11/10/2005 | N001 | 31.00 - 31.00 | 0.63 | F | # | - | - |
| | mg/L | 0560 | WL | 12/06/2005 | N001 | 31.00 - 31.00 | 0.20 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0596 | WL | 10/12/2005 | N001 | 24.00 -24.00 | 0.79 | | F | # | - | - |
| | mg/L | 0596 | WL | 11/10/2005 | N001 | 24.00 -24.00 | 0.62 | | F | # | - | - |
| | mg/L | 0596 | WL | 12/06/2005 | N001 | 24.00 -24.00 | 0.41 | | F | # | - | - |
| Iron | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.04 | | F | # | 0.03 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.0343 | B | UF | # | 0.0074 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.04 | | F | # | 0.03 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.307 | | F | # | 0.0074 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.31 | | F | # | 0.03 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.07 | | F | # | 0.03 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.153 | | F | # | 0.0074 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.0122 | B | F | # | 0.0074 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.04 | | F | # | 0.03 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.0409 | B | UF | # | 0.0074 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 -19.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 -19.00 | 0.06 | | F | # | 0.03 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 -19.00 | 0.05 | | F | # | 0.03 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 -19.00 | 0.0284 | B | UF | # | 0.0074 | - |
| Iron (II) | mg/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 1 | J | F | # | 0.1 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 -17.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 -17.00 | 1 | J | F | # | 0.1 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 1 | | F | # | 0.1 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 -19.00 | 1 | U | F | # | 0.1 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron (II) | mg/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 -19.00 | 1 | J | F | # | 0.1 | - |
| Manganese | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.576 | | F | # | 0.001 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.826 | | F | # | 0.001 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.792 | | F | # | 0.001 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.655 | | F | # | 0.001 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 1.560 | | F | # | 0.001 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 1.630 | | F | # | 0.001 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 -19.00 | 0.673 | | F | # | 0.001 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 -19.00 | 0.978 | | F | # | 0.001 | - |
| Manganese (II) | mg/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 0.6 | J | F | # | - | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 0.8 | | F | # | - | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 -17.00 | 0.6 | J | F | # | - | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 -17.00 | 0.6 | | F | # | - | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 1.9 | | F | # | - | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 1.6 | | F | # | - | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 -19.00 | 0.7 | J | F | # | - | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 -19.00 | 1 | J | F | # | - | - |
| Methane | ug/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 1.9 | | F | # | 0.011 | - |
| | ug/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 0.98 | U | F | # | 0.011 | - |
| | ug/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 -17.00 | 88 | | F | # | 0.011 | - |
| | ug/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 -17.00 | 19 | U | F | # | 0.011 | - |
| | ug/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 35 | | F | # | 0.011 | - |
| | ug/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 33 | U | F | # | 0.011 | - |
| | ug/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 -19.00 | 110 | | F | # | 0.011 | - |
| | ug/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 -19.00 | 77 | U | F | # | 0.011 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate + Nitrite as Nitrogen | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 9.500 | | F | # | 0.0269 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 17.400 | | F | # | 0.0538 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.0027 | U | F | # | 0.0027 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.0027 | U | JF | # | 0.0027 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 321.000 | | F | # | 2.69 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 17.900 | | JF | # | 0.0538 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 -19.00 | 5.300 | | F | # | 0.0431 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 -19.00 | 12.200 | | JF | # | 0.0538 | - |
| Nitrifying Bacteria | cfu/mL | 0403 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0403 | WL | 12/13/2005 | N001 | 18.00 -18.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0407 | WL | 10/27/2005 | N001 | 17.00 -17.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0407 | WL | 12/12/2005 | N001 | 17.00 -17.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0483 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0483 | WL | 12/13/2005 | N001 | 18.00 -18.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0559 | WL | 10/27/2005 | N001 | 19.00 -19.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0559 | WL | 12/13/2005 | N001 | 19.00 -19.00 | 1000 | | F | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.006 | | F | # | 0.005 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.005 | | F | # | 0.005 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 -19.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 -19.00 | 0.005 | U | F | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0403 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 19 | | F | # | 0.06 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 22 | | F | # | 0.06 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total | mg/L | 0407 | WL | 10/27/2005 | 0002 | 17.00 - 17.00 | 17 | | F | # | 0.06 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0002 | 17.00 - 17.00 | 22 | | F | # | 0.06 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 19 | | F | # | 0.06 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 20 | | F | # | 0.06 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0002 | 19.00 - 19.00 | 17 | | F | # | 0.06 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0002 | 19.00 - 19.00 | 26 | | F | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.3 | | F | # | 0.3 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.4 | | F | # | 0.3 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 0.7 | | F | # | 0.3 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 0.5 | | F | # | 0.3 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 2.3 | | F | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0403 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 195 | | F | # | - | - |
| | mV | 0403 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 229 | | F | # | - | - |
| | mV | 0403 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 115.5 | | F | # | - | - |
| | mV | 0403 | WL | 09/01/2004 | N001 | 17.00 - 17.00 | 98.0 | | F | # | - | - |
| | mV | 0403 | WL | 10/14/2004 | N001 | 17.00 - 17.00 | 128 | | F | # | - | - |
| | mV | 0403 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 86.7 | | F | # | - | - |
| | mV | 0403 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 12 | | F | # | - | - |
| | mV | 0403 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 81 | | F | # | - | - |
| | mV | 0403 | WL | 01/27/2005 | N001 | 18.00 - 18.00 | 25.6 | | F | # | - | - |
| | mV | 0403 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 104 | | F | # | - | - |
| | mV | 0403 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 101 | | F | # | - | - |
| | mV | 0403 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 183 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0403 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 114 | | F | # | - | - |
| | mV | 0403 | WL | 06/23/2005 | N001 | 18.00 - 18.00 | 173 | | F | # | - | - |
| | mV | 0403 | WL | 07/12/2005 | N001 | 18.00 - 18.00 | 211 | | F | # | - | - |
| | mV | 0403 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 79 | | F | # | - | - |
| | mV | 0403 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 106 | | F | # | - | - |
| | mV | 0403 | WL | 09/27/2005 | N001 | 18.00 - 18.00 | 128 | | F | # | - | - |
| | mV | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 730 | | F | # | - | - |
| | mV | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 402 | | F | # | - | - |
| | mV | 0407 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 205 | | F | # | - | - |
| | mV | 0407 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 204 | | F | # | - | - |
| | mV | 0407 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 68.6 | | F | # | - | - |
| | mV | 0407 | WL | 09/01/2004 | N001 | 17.00 - 17.00 | -69.4 | | F | # | - | - |
| | mV | 0407 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 31 | | F | # | - | - |
| | mV | 0407 | WL | 10/28/2004 | N001 | 18.00 - 18.00 | -75 | | F | # | - | - |
| | mV | 0407 | WL | 11/18/2004 | N001 | 17.00 - 17.00 | -100 | | F | # | - | - |
| | mV | 0407 | WL | 12/15/2004 | N001 | 17.00 - 17.00 | -84 | | F | # | - | - |
| | mV | 0407 | WL | 01/27/2005 | N001 | 17.00 - 17.00 | 50.6 | | F | # | - | - |
| | mV | 0407 | WL | 03/15/2005 | N001 | 17.00 - 17.00 | 140 | | F | # | - | - |
| | mV | 0407 | WL | 05/25/2005 | N001 | 17.00 - 17.00 | -24 | | F | # | - | - |
| | mV | 0407 | WL | 06/23/2005 | N001 | 17.00 - 17.00 | -2 | | F | # | - | - |
| | mV | 0407 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | -46 | | F | # | - | - |
| | mV | 0407 | WL | 07/26/2005 | N001 | 17.00 - 17.00 | 5.9 | | F | # | - | - |
| | mV | 0407 | WL | 08/24/2005 | N001 | 17.00 - 17.00 | 7.5 | | F | # | - | - |
| | mV | 0407 | WL | 09/27/2005 | N001 | 17.00 - 17.00 | -17 | | F | # | - | - |
| | mV | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | -80.3 | | F | # | - | - |
| | mV | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | -45.9 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0480 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 163 | | F | # | - | - |
| | mV | 0480 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 152.2 | | F | # | - | - |
| | mV | 0480 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 113 | | F | # | - | - |
| | mV | 0480 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 91 | | F | # | - | - |
| | mV | 0481 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 218 | | F | # | - | - |
| | mV | 0481 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 161.6 | | F | # | - | - |
| | mV | 0481 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 160.3 | | F | # | - | - |
| | mV | 0481 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 154 | | F | # | - | - |
| | mV | 0481 | WL | 01/26/2005 | N001 | 28.00 - 28.00 | 86 | | F | # | - | - |
| | mV | 0482 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 225 | | F | # | - | - |
| | mV | 0482 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 180.0 | | F | # | - | - |
| | mV | 0482 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 167.6 | | F | # | - | - |
| | mV | 0482 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 174 | | F | # | - | - |
| | mV | 0482 | WL | 01/26/2005 | N001 | 58.00 - 58.00 | 32.0 | | F | # | - | - |
| | mV | 0483 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 141 | | F | # | - | - |
| | mV | 0483 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 132.8 | | F | # | - | - |
| | mV | 0483 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 83.3 | | F | # | - | - |
| | mV | 0483 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 119 | | F | # | - | - |
| | mV | 0483 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 32 | | F | # | - | - |
| | mV | 0483 | WL | 12/15/2004 | N001 | 18.00 - 18.00 | 33 | | F | # | - | - |
| | mV | 0483 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | -13.7 | | F | # | - | - |
| | mV | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 104 | | F | # | - | - |
| | mV | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 125 | | F | # | - | - |
| | mV | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 136.5 | | F | # | - | - |
| | mV | 0483 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 56 | | | # | - | - |
| | mV | 0483 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 120 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 7.4 | F # | - | - |
| | mV | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 110 | F # | - | - |
| | mV | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 175 | F # | - | - |
| | mV | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 159.3 | F # | - | - |
| | mV | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 82.7 | F # | - | - |
| | mV | 0484 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 204 | F # | - | - |
| | mV | 0484 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 155.3 | F # | - | - |
| | mV | 0484 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 103.0 | F # | - | - |
| | mV | 0484 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 142 | F # | - | - |
| | mV | 0484 | WL | 11/19/2004 | N001 | 28.00 - 28.00 | 50 | F # | - | - |
| | mV | 0484 | WL | 01/27/2005 | N001 | 28.00 - 28.00 | 23.9 | F # | - | - |
| | mV | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 6 | F # | - | - |
| | mV | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 206 | F # | - | - |
| | mV | 0485 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 108 | F # | - | - |
| | mV | 0485 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 38.5 | F # | - | - |
| | mV | 0485 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 47.7 | F # | - | - |
| | mV | 0485 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 63 | F # | - | - |
| | mV | 0485 | WL | 01/27/2005 | N001 | 58.00 - 58.00 | 17.0 | F # | - | - |
| | mV | 0557 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 124.1 | F # | - | - |
| | mV | 0557 | WL | 08/18/2004 | N001 | 36.00 - 36.00 | 135.1 | F # | - | - |
| | mV | 0557 | WL | 09/01/2004 | N001 | 40.00 - 40.00 | 115.0 | F # | - | - |
| | mV | 0557 | WL | 10/13/2004 | N001 | 40.00 - 40.00 | 97 | F # | - | - |
| | mV | 0557 | WL | 11/19/2004 | N001 | 40.00 - 40.00 | 131 | F # | - | - |
| | mV | 0557 | WL | 12/16/2004 | N001 | 40.00 - 40.00 | 126 | F # | - | - |
| | mV | 0557 | WL | 01/26/2005 | N001 | 36.00 - 36.00 | 5.3 | F # | - | - |
| | mV | 0557 | WL | 01/26/2005 | N001 | 44.00 - 44.00 | 0.1 | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 113 | | F # | - | - |
| | mV | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 140 | | F # | - | - |
| | mV | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 103.0 | | F # | - | - |
| | mV | 0557 | WL | 05/25/2005 | N001 | 40.00 - 40.00 | 48 | | F # | - | - |
| | mV | 0557 | WL | 06/24/2005 | N001 | 40.00 - 40.00 | 72.1 | | F # | - | - |
| | mV | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 6.7 | | F # | - | - |
| | mV | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 91 | | F # | - | - |
| | mV | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 80 | | F # | - | - |
| | mV | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 50 | | F # | - | - |
| | mV | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 25 | | F # | - | - |
| | mV | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 84.1 | | F # | - | - |
| | mV | 0558 | WL | 08/19/2004 | N001 | 36.00 - 36.00 | 137.1 | | F # | - | - |
| | mV | 0558 | WL | 08/19/2004 | N001 | 44.00 - 44.00 | 148.7 | | F # | - | - |
| | mV | 0558 | WL | 09/01/2004 | N001 | 30.00 - 30.00 | 91.0 | | F # | - | - |
| | mV | 0558 | WL | 10/14/2004 | N001 | 30.00 - 30.00 | 220 | | F # | - | - |
| | mV | 0558 | WL | 01/27/2005 | N001 | 44.00 - 44.00 | 17.2 | | F # | - | - |
| | mV | 0558 | WL | 01/27/2005 | N001 | 36.00 - 36.00 | 21.0 | | F # | - | - |
| | mV | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 91 | | F # | - | - |
| | mV | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 182.3 | | F # | - | - |
| | mV | 0559 | WL | 08/19/2004 | N001 | 17.00 - 17.00 | 86.6 | | F # | - | - |
| | mV | 0559 | WL | 08/19/2004 | N001 | 20.00 - 20.00 | 112.9 | | F # | - | - |
| | mV | 0559 | WL | 09/02/2004 | N001 | 19.00 - 19.00 | 182.3 | | F # | - | - |
| | mV | 0559 | WL | 10/14/2004 | N001 | 19.00 - 19.00 | 163 | | F # | - | - |
| | mV | 0559 | WL | 11/19/2004 | N001 | 20.00 - 20.00 | 83 | | F # | - | - |
| | mV | 0559 | WL | 12/15/2004 | N001 | 19.50 - 19.50 | 31 | | F # | - | - |
| | mV | 0559 | WL | 01/27/2005 | N001 | 19.00 - 19.00 | 26.5 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 107 | | F | # | - | - |
| | mV | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 190 | | F | # | - | - |
| | mV | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 157.1 | | F | # | - | - |
| | mV | 0559 | WL | 05/25/2005 | N001 | 19.00 - 19.00 | 103 | | F | # | - | - |
| | mV | 0559 | WL | 06/23/2005 | N001 | 19.00 - 19.00 | -44 | | F | # | - | - |
| | mV | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 23 | | F | # | - | - |
| | mV | 0559 | WL | 08/24/2005 | N001 | 19.00 - 19.00 | 104 | | F | # | - | - |
| | mV | 0559 | WL | 09/27/2005 | N001 | 19.00 - 19.00 | 136 | | F | # | - | - |
| | mV | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 185.1 | | F | # | - | - |
| | mV | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 103.6 | | F | # | - | - |
| | mV | 0560 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 121.8 | | F | # | - | - |
| | mV | 0560 | WL | 08/19/2004 | N001 | 31.00 - 31.00 | 159.2 | | F | # | - | - |
| | mV | 0560 | WL | 09/02/2004 | N001 | 35.00 - 35.00 | 166.7 | | F | # | - | - |
| | mV | 0560 | WL | 10/14/2004 | N001 | 35.00 - 35.00 | 82 | | F | # | - | - |
| | mV | 0560 | WL | 11/19/2004 | N001 | 31.00 - 31.00 | 94 | | F | # | - | - |
| | mV | 0560 | WL | 12/15/2004 | N001 | 31.00 - 31.00 | 85 | | F | # | - | - |
| | mV | 0560 | WL | 01/27/2005 | N001 | 39.00 - 39.00 | 24.3 | | F | # | - | - |
| | mV | 0560 | WL | 01/27/2005 | N001 | 31.00 - 31.00 | 25.6 | | F | # | - | - |
| | mV | 0560 | WL | 02/24/2005 | N001 | 31.00 - 31.00 | 94 | | F | # | - | - |
| | mV | 0560 | WL | 03/14/2005 | N001 | 31.00 - 31.00 | 195 | | F | # | - | - |
| | mV | 0560 | WL | 04/27/2005 | N001 | 31.00 - 31.00 | 217.5 | | F | # | - | - |
| | mV | 0560 | WL | 05/25/2005 | N001 | 31.00 - 31.00 | 91 | | F | # | - | - |
| | mV | 0560 | WL | 06/23/2005 | N001 | 31.00 - 31.00 | 137 | | F | # | - | - |
| | mV | 0560 | WL | 07/26/2005 | N001 | 31.00 - 31.00 | 7.1 | | F | # | - | - |
| | mV | 0560 | WL | 08/24/2005 | N001 | 31.00 - 31.00 | 120 | | F | # | - | - |
| | mV | 0560 | WL | 09/27/2005 | N001 | 31.00 - 31.00 | 150 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0560 | WL | 10/12/2005 | N001 | 31.00 - 31.00 | 92 | | F | # | - | - |
| | mV | 0560 | WL | 11/10/2005 | N001 | 31.00 - 31.00 | 239 | | F | # | - | - |
| | mV | 0560 | WL | 12/06/2005 | N001 | 31.00 - 31.00 | 79.5 | | F | # | - | - |
| | mV | 0561 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | -150.6 | | F | # | - | - |
| | mV | 0561 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | -54.6 | | F | # | - | - |
| | mV | 0561 | WL | 09/02/2004 | N001 | 50.00 - 50.00 | -39.0 | | F | # | - | - |
| | mV | 0561 | WL | 10/14/2004 | N001 | 50.00 - 50.00 | -31 | | F | # | - | - |
| | mV | 0561 | WL | 01/27/2005 | N001 | 54.00 - 54.00 | -21.8 | | F | # | - | - |
| | mV | 0561 | WL | 01/27/2005 | N001 | 46.00 - 46.00 | 10.4 | | F | # | - | - |
| | mV | 0596 | WL | 10/12/2005 | N001 | 24.00 - 24.00 | 81 | | F | # | - | - |
| | mV | 0596 | WL | 11/10/2005 | N001 | 24.00 - 24.00 | 231 | | F | # | - | - |
| | mV | 0596 | WL | 12/06/2005 | N001 | 24.00 - 24.00 | 53 | | F | # | - | - |
| pH | s.u. | 0403 | WL | 04/08/2004 | N001 | 13.26 - 18.18 | 6.79 | | F | # | - | - |
| | s.u. | 0403 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 6.61 | | F | # | - | - |
| | s.u. | 0403 | WL | 06/03/2004 | N001 | 17.00 - 17.00 | 6.59 | | F | # | - | - |
| | s.u. | 0403 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 6.61 | | F | # | - | - |
| | s.u. | 0403 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 7.00 | | F | # | - | - |
| | s.u. | 0403 | WL | 09/01/2004 | N001 | 17.00 - 17.00 | 6.75 | | F | # | - | - |
| | s.u. | 0403 | WL | 10/14/2004 | N001 | 17.00 - 17.00 | 7.01 | | F | # | - | - |
| | s.u. | 0403 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 7.36 | | F | # | - | - |
| | s.u. | 0403 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 7.83 | | F | # | - | - |
| | s.u. | 0403 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.60 | | F | # | - | - |
| | s.u. | 0403 | WL | 01/27/2005 | N001 | 18.00 - 18.00 | 7.28 | | F | # | - | - |
| | s.u. | 0403 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 7.53 | | F | # | - | - |
| | s.u. | 0403 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 7.50 | | F | # | - | - |
| | s.u. | 0403 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 7.26 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0403 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 7.43 | | F | # | - | - |
| | s.u. | 0403 | WL | 06/23/2005 | N001 | 18.00 - 18.00 | 7.35 | | F | # | - | - |
| | s.u. | 0403 | WL | 07/12/2005 | N001 | 18.00 - 18.00 | 7.17 | | F | # | - | - |
| | s.u. | 0403 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 8.50 | | F | # | - | - |
| | s.u. | 0403 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 7.37 | | F | # | - | - |
| | s.u. | 0403 | WL | 09/27/2005 | N001 | 18.00 - 18.00 | 7.42 | | F | # | - | - |
| | s.u. | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 7.55 | | F | # | - | - |
| | s.u. | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 7.25 | | F | # | - | - |
| | s.u. | 0407 | WL | 04/07/2004 | N001 | 13.33 - 18.25 | 6.78 | | F | # | - | - |
| | s.u. | 0407 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 6.71 | | F | # | - | - |
| | s.u. | 0407 | WL | 06/03/2004 | N001 | 17.00 - 17.00 | 6.66 | | F | # | - | - |
| | s.u. | 0407 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 7.22 | | F | # | - | - |
| | s.u. | 0407 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 8.16 | | F | # | - | - |
| | s.u. | 0407 | WL | 09/01/2004 | N001 | 17.00 - 17.00 | 7.86 | | F | # | - | - |
| | s.u. | 0407 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 7.63 | | F | # | - | - |
| | s.u. | 0407 | WL | 10/28/2004 | N001 | 18.00 - 18.00 | 7.49 | | F | # | - | - |
| | s.u. | 0407 | WL | 11/18/2004 | N001 | 17.00 - 17.00 | 7.70 | | F | # | - | - |
| | s.u. | 0407 | WL | 12/15/2004 | N001 | 17.00 - 17.00 | 7.73 | | F | # | - | - |
| | s.u. | 0407 | WL | 01/27/2005 | N001 | 17.00 - 17.00 | 7.13 | | F | # | - | - |
| | s.u. | 0407 | WL | 03/15/2005 | N001 | 17.00 - 17.00 | 7.17 | | F | # | - | - |
| | s.u. | 0407 | WL | 05/25/2005 | N001 | 17.00 - 17.00 | 7.53 | | F | # | - | - |
| | s.u. | 0407 | WL | 06/23/2005 | N001 | 17.00 - 17.00 | 6.93 | | F | # | - | - |
| | s.u. | 0407 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 7.05 | | F | # | - | - |
| | s.u. | 0407 | WL | 07/26/2005 | N001 | 17.00 - 17.00 | 8.20 | | F | # | - | - |
| | s.u. | 0407 | WL | 08/24/2005 | N001 | 17.00 - 17.00 | 6.93 | | F | # | - | - |
| | s.u. | 0407 | WL | 09/27/2005 | N001 | 17.00 - 17.00 | 7.10 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 7.26 | | F # | - | - |
| | s.u. | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 7.53 | | F # | - | - |
| | s.u. | 0480 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 6.86 | | F # | - | - |
| | s.u. | 0480 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 6.72 | | F # | - | - |
| | s.u. | 0480 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 6.72 | | F # | - | - |
| | s.u. | 0480 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 6.74 | | F # | - | - |
| | s.u. | 0480 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 6.71 | | F # | - | - |
| | s.u. | 0480 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 6.85 | | F # | - | - |
| | s.u. | 0480 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 6.94 | | F # | - | - |
| | s.u. | 0481 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 6.85 | | F # | - | - |
| | s.u. | 0481 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 6.74 | | F # | - | - |
| | s.u. | 0481 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 6.67 | | F # | - | - |
| | s.u. | 0481 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 6.76 | | F # | - | - |
| | s.u. | 0481 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 6.75 | | F # | - | - |
| | s.u. | 0481 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 6.86 | | F # | - | - |
| | s.u. | 0481 | WL | 01/26/2005 | N001 | 28.00 - 28.00 | 6.96 | | F # | - | - |
| | s.u. | 0482 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 6.80 | | F # | - | - |
| | s.u. | 0482 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 6.70 | | F # | - | - |
| | s.u. | 0482 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 6.64 | | F # | - | - |
| | s.u. | 0482 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 6.73 | | F # | - | - |
| | s.u. | 0482 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 6.72 | | F # | - | - |
| | s.u. | 0482 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 6.80 | | F # | - | - |
| | s.u. | 0482 | WL | 01/26/2005 | N001 | 58.00 - 58.00 | 6.84 | | F # | - | - |
| | s.u. | 0483 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 6.80 | | F # | - | - |
| | s.u. | 0483 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 6.59 | | F # | - | - |
| | s.u. | 0483 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 6.64 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0483 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 6.88 | | F | # | - | - |
| | s.u. | 0483 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 6.70 | | F | # | - | - |
| | s.u. | 0483 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 6.89 | | F | # | - | - |
| | s.u. | 0483 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 7.24 | | F | # | - | - |
| | s.u. | 0483 | WL | 12/15/2004 | N001 | 18.00 - 18.00 | 7.24 | | F | # | - | - |
| | s.u. | 0483 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 7.23 | | F | # | - | - |
| | s.u. | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 7.15 | | F | # | - | - |
| | s.u. | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 6.95 | | F | # | - | - |
| | s.u. | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 7.16 | | F | # | - | - |
| | s.u. | 0483 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 8.33 | | | # | - | - |
| | s.u. | 0483 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 8.17 | | F | # | - | - |
| | s.u. | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 8.40 | | F | # | - | - |
| | s.u. | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 7.21 | | F | # | - | - |
| | s.u. | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.30 | | F | # | - | - |
| | s.u. | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 7.34 | | F | # | - | - |
| | s.u. | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 7.31 | | F | # | - | - |
| | s.u. | 0484 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 6.84 | | F | # | - | - |
| | s.u. | 0484 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 6.77 | | F | # | - | - |
| | s.u. | 0484 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 6.60 | | F | # | - | - |
| | s.u. | 0484 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 6.95 | | F | # | - | - |
| | s.u. | 0484 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 6.75 | | F | # | - | - |
| | s.u. | 0484 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 6.80 | | F | # | - | - |
| | s.u. | 0484 | WL | 11/19/2004 | N001 | 28.00 - 28.00 | 7.11 | | F | # | - | - |
| | s.u. | 0484 | WL | 01/27/2005 | N001 | 28.00 - 28.00 | 6.97 | | F | # | - | - |
| | s.u. | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 6.81 | | F | # | - | - |
| | s.u. | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 6.76 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0485 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 6.81 | | F | # | - | - |
| | s.u. | 0485 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 6.76 | | F | # | - | - |
| | s.u. | 0485 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 6.65 | | F | # | - | - |
| | s.u. | 0485 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 6.97 | | F | # | - | - |
| | s.u. | 0485 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 6.72 | | F | # | - | - |
| | s.u. | 0485 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 6.83 | | F | # | - | - |
| | s.u. | 0485 | WL | 01/27/2005 | N001 | 58.00 - 58.00 | 6.90 | | F | # | - | - |
| | s.u. | 0557 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 6.68 | | F | # | - | - |
| | s.u. | 0557 | WL | 08/18/2004 | N001 | 36.00 - 36.00 | 6.82 | | F | # | - | - |
| | s.u. | 0557 | WL | 09/01/2004 | N001 | 40.00 - 40.00 | 6.77 | | F | # | - | - |
| | s.u. | 0557 | WL | 10/13/2004 | N001 | 40.00 - 40.00 | 6.86 | | F | # | - | - |
| | s.u. | 0557 | WL | 11/19/2004 | N001 | 40.00 - 40.00 | 7.20 | | F | # | - | - |
| | s.u. | 0557 | WL | 12/16/2004 | N001 | 40.00 - 40.00 | 6.84 | | F | # | - | - |
| | s.u. | 0557 | WL | 01/26/2005 | N001 | 44.00 - 44.00 | 6.83 | | F | # | - | - |
| | s.u. | 0557 | WL | 01/26/2005 | N001 | 36.00 - 36.00 | 6.95 | | F | # | - | - |
| | s.u. | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 6.94 | | F | # | - | - |
| | s.u. | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 6.74 | | F | # | - | - |
| | s.u. | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 6.78 | | F | # | - | - |
| | s.u. | 0557 | WL | 05/25/2005 | N001 | 40.00 - 40.00 | 6.75 | | F | # | - | - |
| | s.u. | 0557 | WL | 06/24/2005 | N001 | 40.00 - 40.00 | 6.79 | | F | # | - | - |
| | s.u. | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 7.70 | | F | # | - | - |
| | s.u. | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 6.57 | | F | # | - | - |
| | s.u. | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 6.77 | | F | # | - | - |
| | s.u. | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 6.87 | | F | # | - | - |
| | s.u. | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 6.74 | | F | # | - | - |
| | s.u. | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 6.76 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0558 | WL | 08/19/2004 | N001 | 36.00 - 36.00 | 6.60 | | F # | - | - |
| | s.u. | 0558 | WL | 08/19/2004 | N001 | 44.00 - 44.00 | 6.69 | | F # | - | - |
| | s.u. | 0558 | WL | 09/01/2004 | N001 | 30.00 - 30.00 | 6.75 | | F # | - | - |
| | s.u. | 0558 | WL | 10/14/2004 | N001 | 30.00 - 30.00 | 6.81 | | F # | - | - |
| | s.u. | 0558 | WL | 01/27/2005 | N001 | 44.00 - 44.00 | 6.78 | | F # | - | - |
| | s.u. | 0558 | WL | 01/27/2005 | N001 | 36.00 - 36.00 | 7.01 | | F # | - | - |
| | s.u. | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 6.73 | | F # | - | - |
| | s.u. | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 6.76 | | F # | - | - |
| | s.u. | 0559 | WL | 08/19/2004 | N001 | 17.00 - 17.00 | 6.77 | | F # | - | - |
| | s.u. | 0559 | WL | 08/19/2004 | N001 | 20.00 - 20.00 | 6.77 | | F # | - | - |
| | s.u. | 0559 | WL | 09/02/2004 | N001 | 19.00 - 19.00 | 6.72 | | F # | - | - |
| | s.u. | 0559 | WL | 10/14/2004 | N001 | 19.00 - 19.00 | 7.22 | | F # | - | - |
| | s.u. | 0559 | WL | 11/19/2004 | N001 | 20.00 - 20.00 | 7.33 | | F # | - | - |
| | s.u. | 0559 | WL | 12/15/2004 | N001 | 19.50 - 19.50 | 7.31 | | F # | - | - |
| | s.u. | 0559 | WL | 01/27/2005 | N001 | 19.00 - 19.00 | 7.33 | | # | - | - |
| | s.u. | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 7.36 | | F # | - | - |
| | s.u. | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 7.15 | | F # | - | - |
| | s.u. | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 7.87 | | F # | - | - |
| | s.u. | 0559 | WL | 05/25/2005 | N001 | 19.00 - 19.00 | 7.40 | | F # | - | - |
| | s.u. | 0559 | WL | 06/23/2005 | N001 | 19.00 - 19.00 | 7.53 | | F # | - | - |
| | s.u. | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 8.03 | | F # | - | - |
| | s.u. | 0559 | WL | 08/24/2005 | N001 | 19.00 - 19.00 | 7.15 | | F # | - | - |
| | s.u. | 0559 | WL | 09/27/2005 | N001 | 19.00 - 19.00 | 7.20 | | F # | - | - |
| | s.u. | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 7.52 | | F # | - | - |
| | s.u. | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 7.39 | | F # | - | - |
| | s.u. | 0560 | WL | 08/19/2004 | N001 | 31.00 - 31.00 | 7.9 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0560 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 6.58 | F | # | - | - |
| | s.u. | 0560 | WL | 09/02/2004 | N001 | 35.00 - 35.00 | 6.58 | F | # | - | - |
| | s.u. | 0560 | WL | 10/14/2004 | N001 | 35.00 - 35.00 | 6.70 | F | # | - | - |
| | s.u. | 0560 | WL | 11/19/2004 | N001 | 31.00 - 31.00 | 6.99 | F | # | - | - |
| | s.u. | 0560 | WL | 12/15/2004 | N001 | 31.00 - 31.00 | 6.66 | F | # | - | - |
| | s.u. | 0560 | WL | 01/27/2005 | N001 | 31.00 - 31.00 | 6.75 | F | # | - | - |
| | s.u. | 0560 | WL | 01/27/2005 | N001 | 39.00 - 39.00 | 6.75 | F | # | - | - |
| | s.u. | 0560 | WL | 02/24/2005 | N001 | 31.00 - 31.00 | 6.79 | F | # | - | - |
| | s.u. | 0560 | WL | 03/14/2005 | N001 | 31.00 - 31.00 | 6.59 | F | # | - | - |
| | s.u. | 0560 | WL | 04/27/2005 | N001 | 31.00 - 31.00 | 6.85 | F | # | - | - |
| | s.u. | 0560 | WL | 05/25/2005 | N001 | 31.00 - 31.00 | 6.94 | F | # | - | - |
| | s.u. | 0560 | WL | 06/23/2005 | N001 | 31.00 - 31.00 | 6.96 | F | # | - | - |
| | s.u. | 0560 | WL | 07/26/2005 | N001 | 31.00 - 31.00 | 7.69 | F | # | - | - |
| | s.u. | 0560 | WL | 08/24/2005 | N001 | 31.00 - 31.00 | 6.51 | F | # | - | - |
| | s.u. | 0560 | WL | 09/27/2005 | N001 | 31.00 - 31.00 | 6.76 | F | # | - | - |
| | s.u. | 0560 | WL | 10/12/2005 | N001 | 31.00 - 31.00 | 6.88 | F | # | - | - |
| | s.u. | 0560 | WL | 11/10/2005 | N001 | 31.00 - 31.00 | 6.70 | F | # | - | - |
| | s.u. | 0560 | WL | 12/06/2005 | N001 | 31.00 - 31.00 | 6.84 | F | # | - | - |
| | s.u. | 0561 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 6.75 | F | # | - | - |
| | s.u. | 0561 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 6.82 | F | # | - | - |
| | s.u. | 0561 | WL | 09/02/2004 | N001 | 50.00 - 50.00 | 6.77 | F | # | - | - |
| | s.u. | 0561 | WL | 10/14/2004 | N001 | 50.00 - 50.00 | 6.89 | F | # | - | - |
| | s.u. | 0561 | WL | 01/27/2005 | N001 | 46.00 - 46.00 | 6.94 | F | # | - | - |
| | s.u. | 0561 | WL | 01/27/2005 | N001 | 54.00 - 54.00 | 6.86 | F | # | - | - |
| | s.u. | 0596 | WL | 10/12/2005 | N001 | 24.00 - 24.00 | 7.61 | F | # | - | - |
| | s.u. | 0596 | WL | 11/10/2005 | N001 | 24.00 - 24.00 | 7.46 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0596 | WL | 12/06/2005 | N001 | 24.00 - 24.00 | 7.44 | | F | # | - | - |
| Phosphorus | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.127 | | JF | # | 0.0101 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.0958 | | F | # | 0.0101 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 0.131 | | JF | # | 0.0101 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 0.0704 | | F | # | 0.0101 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.135 | | JF | # | 0.0101 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.226 | | F | # | 0.0101 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 0.0768 | | JF | # | 0.0101 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 0.103 | | F | # | 0.0101 | - |
| Selenium | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.0058 | | F | # | 0.00057 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.0023 | B | F | # | 0.00057 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 0.0026 | B | UF | # | 0.00057 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.0045 | B | F | # | 0.00057 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.0022 | B | F | # | 0.00057 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 0.0043 | B | UF | # | 0.00057 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 0.0031 | B | F | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0403 | WL | 04/08/2004 | N001 | 13.26 - 18.18 | 21250 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 19460 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 06/03/2004 | N001 | 17.00 - 17.00 | 18950 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 25460 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 25921 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 09/01/2004 | N001 | 17.00 - 17.00 | 21750 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 10/14/2004 | N001 | 17.00 - 17.00 | 14260 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 7013 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 2807 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0403 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 2063 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 01/27/2005 | N001 | 18.00 -18.00 | 3985 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 02/23/2005 | N001 | 18.00 -18.00 | 2164 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 03/15/2005 | N001 | 18.00 -18.00 | 1967 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 04/20/2005 | N001 | 18.00 -18.00 | 8688 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 05/25/2005 | N001 | 18.00 -18.00 | 2696 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 06/23/2005 | N001 | 18.00 -18.00 | 4587 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 07/12/2005 | N001 | 18.00 -18.00 | 4438 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 07/26/2005 | N001 | 18.00 -18.00 | 5128 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 08/24/2005 | N001 | 18.00 -18.00 | 3272 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 09/27/2005 | N001 | 18.00 -18.00 | 4079 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 3027 | | F | # | - | - |
| | umhos/cm | 0403 | WL | 12/13/2005 | N001 | 18.00 -18.00 | 3069 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 04/07/2004 | N001 | 13.33 -18.25 | 24440 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 05/05/2004 | N001 | 16.50 -16.50 | 26930 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 06/03/2004 | N001 | 17.00 -17.00 | 23165 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 07/07/2004 | N001 | 17.00 -17.00 | 5071 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 08/04/2004 | N001 | 17.00 -17.00 | 2528 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 09/01/2004 | N001 | 17.00 -17.00 | 2710 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 3097 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 10/28/2004 | N001 | 18.00 -18.00 | 2599 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 11/18/2004 | N001 | 17.00 -17.00 | 1701 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 12/15/2004 | N001 | 17.00 -17.00 | 1908 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 01/27/2005 | N001 | 17.00 -17.00 | 17010 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 03/15/2005 | N001 | 17.00 -17.00 | 6919 | | F | # | - | - |
| | umhos/cm | 0407 | WL | 05/25/2005 | N001 | 17.00 -17.00 | 1737 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0407 | WL | 06/23/2005 | N001 | 17.00 -17.00 | 2021 | F | # | - | - |
| | umhos/cm | 0407 | WL | 07/12/2005 | N001 | 17.00 -17.00 | 2362 | F | # | - | - |
| | umhos/cm | 0407 | WL | 07/26/2005 | N001 | 17.00 -17.00 | 2354 | F | # | - | - |
| | umhos/cm | 0407 | WL | 08/24/2005 | N001 | 17.00 -17.00 | 1494 | F | # | - | - |
| | umhos/cm | 0407 | WL | 09/27/2005 | N001 | 17.00 -17.00 | 1781 | F | # | - | - |
| | umhos/cm | 0407 | WL | 10/27/2005 | N001 | 17.00 -17.00 | 1788 | F | # | - | - |
| | umhos/cm | 0407 | WL | 12/12/2005 | N001 | 17.00 -17.00 | 1261 | F | # | - | - |
| | umhos/cm | 0480 | WL | 04/07/2004 | N001 | 18.00 -18.00 | 32130 | F | # | - | - |
| | umhos/cm | 0480 | WL | 06/03/2004 | N001 | 18.00 -18.00 | 30750 | F | # | - | - |
| | umhos/cm | 0480 | WL | 07/06/2004 | N001 | 18.00 -18.00 | 31620 | F | # | - | - |
| | umhos/cm | 0480 | WL | 08/04/2004 | N001 | 18.00 -18.00 | 38670 | F | # | - | - |
| | umhos/cm | 0480 | WL | 09/01/2004 | N001 | 18.00 -18.00 | 38518 | F | # | - | - |
| | umhos/cm | 0480 | WL | 10/13/2004 | N001 | 18.00 -18.00 | 36340 | F | # | - | - |
| | umhos/cm | 0480 | WL | 01/26/2005 | N001 | 18.00 -18.00 | 28128 | F | # | - | - |
| | umhos/cm | 0481 | WL | 04/07/2004 | N001 | 28.00 -28.00 | 32480 | F | # | - | - |
| | umhos/cm | 0481 | WL | 06/03/2004 | N001 | 28.00 -28.00 | 31890 | F | # | - | - |
| | umhos/cm | 0481 | WL | 07/06/2004 | N001 | 28.00 -28.00 | 31750 | F | # | - | - |
| | umhos/cm | 0481 | WL | 08/04/2004 | N001 | 28.00 -28.00 | 39490 | F | # | - | - |
| | umhos/cm | 0481 | WL | 09/01/2004 | N001 | 28.00 -28.00 | 37992 | F | # | - | - |
| | umhos/cm | 0481 | WL | 10/13/2004 | N001 | 28.00 -28.00 | 36525 | F | # | - | - |
| | umhos/cm | 0481 | WL | 01/26/2005 | N001 | 28.00 -28.00 | 33225 | F | # | - | - |
| | umhos/cm | 0482 | WL | 04/07/2004 | N001 | 58.00 -58.00 | 103100 | F | # | - | - |
| | umhos/cm | 0482 | WL | 06/03/2004 | N001 | 58.00 -58.00 | 104930 | F | # | - | - |
| | umhos/cm | 0482 | WL | 07/06/2004 | N001 | 58.00 -58.00 | 97850 | F | # | - | - |
| | umhos/cm | 0482 | WL | 08/04/2004 | N001 | 58.00 -58.00 | 115760 | F | # | - | - |
| | umhos/cm | 0482 | WL | 09/01/2004 | N001 | 58.00 -58.00 | 103178 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0482 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 110360 | | F # | - | - |
| | umhos/cm | 0482 | WL | 01/26/2005 | N001 | 58.00 - 58.00 | 111547 | | F # | - | - |
| | umhos/cm | 0483 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 26430 | | F # | - | - |
| | umhos/cm | 0483 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 29770 | | F # | - | - |
| | umhos/cm | 0483 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 32730 | | F # | - | - |
| | umhos/cm | 0483 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 44178 | | F # | - | - |
| | umhos/cm | 0483 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 44021 | | F # | - | - |
| | umhos/cm | 0483 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 32572 | | F # | - | - |
| | umhos/cm | 0483 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 22995 | | F # | - | - |
| | umhos/cm | 0483 | WL | 12/15/2004 | N001 | 18.00 - 18.00 | 19484 | | F # | - | - |
| | umhos/cm | 0483 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 12623 | | F # | - | - |
| | umhos/cm | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 12388 | | F # | - | - |
| | umhos/cm | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 22550 | | F # | - | - |
| | umhos/cm | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 19828 | | F # | - | - |
| | umhos/cm | 0483 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 2487 | | # | - | - |
| | umhos/cm | 0483 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 3125 | | F # | - | - |
| | umhos/cm | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 23085 | | F # | - | - |
| | umhos/cm | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 18854 | | F # | - | - |
| | umhos/cm | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16470 | | F # | - | - |
| | umhos/cm | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 15430 | | F # | - | - |
| | umhos/cm | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 11590 | | F # | - | - |
| | umhos/cm | 0484 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 35860 | | F # | - | - |
| | umhos/cm | 0484 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 35350 | | F # | - | - |
| | umhos/cm | 0484 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 35860 | | F # | - | - |
| | umhos/cm | 0484 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 44846 | | F # | - | - |
| | umhos/cm | 0484 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 40022 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0484 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 51790 | | F # | - | - |
| | umhos/cm | 0484 | WL | 11/19/2004 | N001 | 28.00 - 28.00 | 51025 | | F # | - | - |
| | umhos/cm | 0484 | WL | 01/27/2005 | N001 | 28.00 - 28.00 | 41459 | | F # | - | - |
| | umhos/cm | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 52320 | | F # | - | - |
| | umhos/cm | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 59060 | | F # | - | - |
| | umhos/cm | 0485 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 104400 | | F # | - | - |
| | umhos/cm | 0485 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 103050 | | F # | - | - |
| | umhos/cm | 0485 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 104400 | | F # | - | - |
| | umhos/cm | 0485 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 116261 | | F # | - | - |
| | umhos/cm | 0485 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 91401 | | F # | - | - |
| | umhos/cm | 0485 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 110080 | | F # | - | - |
| | umhos/cm | 0485 | WL | 01/27/2005 | N001 | 58.00 - 58.00 | 112472 | | F # | - | - |
| | umhos/cm | 0557 | WL | 08/18/2004 | N001 | 36.00 - 36.00 | 39352 | | F # | - | - |
| | umhos/cm | 0557 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 57584 | | F # | - | - |
| | umhos/cm | 0557 | WL | 09/01/2004 | N001 | 40.00 - 40.00 | 39510 | | F # | - | - |
| | umhos/cm | 0557 | WL | 10/13/2004 | N001 | 40.00 - 40.00 | 41832 | | F # | - | - |
| | umhos/cm | 0557 | WL | 11/19/2004 | N001 | 40.00 - 40.00 | 43935 | | F # | - | - |
| | umhos/cm | 0557 | WL | 12/16/2004 | N001 | 40.00 - 40.00 | 45630 | | F # | - | - |
| | umhos/cm | 0557 | WL | 01/26/2005 | N001 | 36.00 - 36.00 | 36486 | | F # | - | - |
| | umhos/cm | 0557 | WL | 01/26/2005 | N001 | 44.00 - 44.00 | 58401 | | F # | - | - |
| | umhos/cm | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 38815 | | F # | - | - |
| | umhos/cm | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 42530 | | F # | - | - |
| | umhos/cm | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 58475 | | F # | - | - |
| | umhos/cm | 0557 | WL | 05/25/2005 | N001 | 40.00 - 40.00 | 108400 | | F # | - | - |
| | umhos/cm | 0557 | WL | 06/24/2005 | N001 | 40.00 - 40.00 | 41870 | | F # | - | - |
| | umhos/cm | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 60250 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 66280 | F | # | - | - |
| | umhos/cm | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 56900 | F | # | - | - |
| | umhos/cm | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 41950 | F | # | - | - |
| | umhos/cm | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 46280 | F | # | - | - |
| | umhos/cm | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 68270 | F | # | - | - |
| | umhos/cm | 0558 | WL | 08/19/2004 | N001 | 36.00 - 36.00 | 92341 | F | # | - | - |
| | umhos/cm | 0558 | WL | 08/19/2004 | N001 | 44.00 - 44.00 | 103173 | F | # | - | - |
| | umhos/cm | 0558 | WL | 09/01/2004 | N001 | 30.00 - 30.00 | 78513 | F | # | - | - |
| | umhos/cm | 0558 | WL | 10/14/2004 | N001 | 30.00 - 30.00 | 92280 | F | # | - | - |
| | umhos/cm | 0558 | WL | 01/27/2005 | N001 | 36.00 - 36.00 | 87079 | F | # | - | - |
| | umhos/cm | 0558 | WL | 01/27/2005 | N001 | 44.00 - 44.00 | 107643 | F | # | - | - |
| | umhos/cm | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 81670 | F | # | - | - |
| | umhos/cm | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 99930 | F | # | - | - |
| | umhos/cm | 0559 | WL | 08/19/2004 | N001 | 20.00 - 20.00 | 27780 | F | # | - | - |
| | umhos/cm | 0559 | WL | 08/19/2004 | N001 | 17.00 - 17.00 | 27795 | F | # | - | - |
| | umhos/cm | 0559 | WL | 09/02/2004 | N001 | 19.00 - 19.00 | 28008 | F | # | - | - |
| | umhos/cm | 0559 | WL | 10/14/2004 | N001 | 19.00 - 19.00 | 19275 | F | # | - | - |
| | umhos/cm | 0559 | WL | 11/19/2004 | N001 | 20.00 - 20.00 | 15925 | F | # | - | - |
| | umhos/cm | 0559 | WL | 12/15/2004 | N001 | 19.50 - 19.50 | 10828 | F | # | - | - |
| | umhos/cm | 0559 | WL | 01/27/2005 | N001 | 19.00 - 19.00 | 6180 | | # | - | - |
| | umhos/cm | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 6184 | F | # | - | - |
| | umhos/cm | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 9425 | F | # | - | - |
| | umhos/cm | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 5209 | F | # | - | - |
| | umhos/cm | 0559 | WL | 05/25/2005 | N001 | 19.00 - 19.00 | 2969 | F | # | - | - |
| | umhos/cm | 0559 | WL | 06/23/2005 | N001 | 19.00 - 19.00 | 1569 | F | # | - | - |
| | umhos/cm | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 2969 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0559 | WL | 08/24/2005 | N001 | 19.00 -19.00 | 7715 | F | # | - | - |
| | umhos/cm | 0559 | WL | 09/27/2005 | N001 | 19.00 -19.00 | 7345 | F | # | - | - |
| | umhos/cm | 0559 | WL | 10/27/2005 | N001 | 19.00 -19.00 | 5738 | F | # | - | - |
| | umhos/cm | 0559 | WL | 12/13/2005 | N001 | 19.00 -19.00 | 5902 | F | # | - | - |
| | umhos/cm | 0560 | WL | 08/19/2004 | N001 | 31.00 -31.00 | 95780 | F | # | - | - |
| | umhos/cm | 0560 | WL | 08/19/2004 | N001 | 39.00 -39.00 | 93735 | F | # | - | - |
| | umhos/cm | 0560 | WL | 09/02/2004 | N001 | 35.00 -35.00 | 83523 | F | # | - | - |
| | umhos/cm | 0560 | WL | 10/14/2004 | N001 | 35.00 -35.00 | 97720 | F | # | - | - |
| | umhos/cm | 0560 | WL | 11/19/2004 | N001 | 31.00 -31.00 | 98850 | F | # | - | - |
| | umhos/cm | 0560 | WL | 12/15/2004 | N001 | 31.00 -31.00 | 101765 | F | # | - | - |
| | umhos/cm | 0560 | WL | 01/27/2005 | N001 | 31.00 -31.00 | 90824 | F | # | - | - |
| | umhos/cm | 0560 | WL | 01/27/2005 | N001 | 39.00 -39.00 | 91618 | F | # | - | - |
| | umhos/cm | 0560 | WL | 02/24/2005 | N001 | 31.00 -31.00 | 93450 | F | # | - | - |
| | umhos/cm | 0560 | WL | 03/14/2005 | N001 | 31.00 -31.00 | 103800 | F | # | - | - |
| | umhos/cm | 0560 | WL | 04/27/2005 | N001 | 31.00 -31.00 | 107368 | F | # | - | - |
| | umhos/cm | 0560 | WL | 05/25/2005 | N001 | 31.00 -31.00 | 75350 | F | # | - | - |
| | umhos/cm | 0560 | WL | 06/23/2005 | N001 | 31.00 -31.00 | 35860 | F | # | - | - |
| | umhos/cm | 0560 | WL | 07/26/2005 | N001 | 31.00 -31.00 | 92837 | F | # | - | - |
| | umhos/cm | 0560 | WL | 08/24/2005 | N001 | 31.00 -31.00 | 90179 | F | # | - | - |
| | umhos/cm | 0560 | WL | 09/27/2005 | N001 | 31.00 -31.00 | 81660 | F | # | - | - |
| | umhos/cm | 0560 | WL | 10/12/2005 | N001 | 31.00 -31.00 | 62840 | F | # | - | - |
| | umhos/cm | 0560 | WL | 11/10/2005 | N001 | 31.00 -31.00 | 92260 | F | # | - | - |
| | umhos/cm | 0560 | WL | 12/06/2005 | N001 | 31.00 -31.00 | 85530 | F | # | - | - |
| | umhos/cm | 0561 | WL | 08/19/2004 | N001 | 46.00 -46.00 | 99878 | F | # | - | - |
| | umhos/cm | 0561 | WL | 08/19/2004 | N001 | 54.00 -54.00 | 106431 | F | # | - | - |
| | umhos/cm | 0561 | WL | 09/02/2004 | N001 | 50.00 -50.00 | 90625 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0561 | WL | 10/14/2004 | N001 | 50.00 - 50.00 | 101750 | | F | # | - | - |
| | umhos/cm | 0561 | WL | 01/27/2005 | N001 | 46.00 - 46.00 | 107318 | | F | # | - | - |
| | umhos/cm | 0561 | WL | 01/27/2005 | N001 | 54.00 - 54.00 | 112080 | | F | # | - | - |
| | umhos/cm | 0596 | WL | 10/12/2005 | N001 | 24.00 - 24.00 | 9662 | | F | # | - | - |
| | umhos/cm | 0596 | WL | 11/10/2005 | N001 | 24.00 - 24.00 | 11790 | | F | # | - | - |
| | umhos/cm | 0596 | WL | 12/06/2005 | N001 | 24.00 - 24.00 | 14120 | | F | # | - | - |
| Sulfate | mg/L | 0403 | WL | 04/08/2004 | 0001 | 13.26 - 18.18 | 8100 | | F | # | 250 | - |
| | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 7300 | | F | # | 250 | - |
| | mg/L | 0403 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 7400 | | F | # | 100 | - |
| | mg/L | 0403 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 8800 | | F | # | 250 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 8900 | | JF | # | 100 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0002 | 17.00 - 17.00 | 8800 | | JF | # | 100 | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 8200 | | F | # | 250 | - |
| | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 - 17.00 | 4600 | | F | # | 250 | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 1600 | | F | # | 50 | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 630 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 440 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 - 18.00 | 1400 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0002 | 18.00 - 18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 550 | | F | # | 10 | - |
| | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 460 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 2600 | | F | # | 50 | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 950 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 - 18.00 | 980 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 - 18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 1400 | | F | # | 25 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 970 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 - 18.00 | 1300 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0002 | 18.00 - 18.00 | 1300 | | F | # | 25 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 751 | | F | # | 12.2 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 911 | | F | # | 61.2 | - |
| | mg/L | 0407 | WL | 04/07/2004 | 0001 | 13.33 - 18.25 | 7600 | | F | # | 250 | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 9400 | | F | # | 500 | - |
| | mg/L | 0407 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 8800 | | F | # | 100 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 1400 | | F | # | 50 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0002 | 17.00 - 17.00 | 1400 | | F | # | 50 | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 440 | | JF | # | 10 | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 490 | | F | # | 25 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 640 | | F | # | 25 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0002 | 18.00 - 18.00 | 630 | | F | # | 25 | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 - 18.00 | 670 | | F | # | 25 | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 - 17.00 | 380 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 - 17.00 | 390 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 - 17.00 | 4100 | | F | # | 250 | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 - 17.00 | 3300 | | F | # | 100 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 - 17.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0002 | 17.00 - 17.00 | 1700 | | F | # | 50 | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 610 | | F | # | 25 | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 - 17.00 | 630 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 - 17.00 | 900 | | F | # | 10 | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 - 17.00 | 960 | | F | # | 10 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 -17.00 | 390 | | F # | 10 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0002 | 17.00 -17.00 | 390 | | F # | 10 | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 -17.00 | 430 | | F # | 10 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 421 | | F # | 12.2 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 6180 | | F # | 61.2 | - |
| | mg/L | 0480 | WL | 04/07/2004 | 0001 | 18.00 -18.00 | 9500 | | F # | 250 | - |
| | mg/L | 0480 | WL | 06/03/2004 | 0001 | 18.00 -18.00 | 9700 | | F # | 250 | - |
| | mg/L | 0480 | WL | 07/06/2004 | 0001 | 18.00 -18.00 | 10000 | | F # | 250 | - |
| | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 -18.00 | 10000 | | JF # | 250 | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 -18.00 | 9700 | | F # | 250 | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 -18.00 | 10000 | | F # | 250 | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 -18.00 | 9700 | | F # | 250 | - |
| | mg/L | 0481 | WL | 04/07/2004 | 0001 | 28.00 -28.00 | 9700 | | F # | 250 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0001 | 28.00 -28.00 | 9600 | | F # | 250 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0002 | 28.00 -28.00 | 9700 | | F # | 250 | - |
| | mg/L | 0481 | WL | 07/06/2004 | 0001 | 28.00 -28.00 | 11000 | | F # | 250 | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 -28.00 | 10000 | | JF # | 250 | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 -28.00 | 9800 | | F # | 250 | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 -28.00 | 10000 | | F # | 250 | - |
| | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 -28.00 | 11000 | | F # | 250 | - |
| | mg/L | 0482 | WL | 04/07/2004 | 0001 | 58.00 -58.00 | 6300 | | F # | 500 | - |
| | mg/L | 0482 | WL | 06/03/2004 | 0001 | 58.00 -58.00 | 6300 | | F # | 500 | - |
| | mg/L | 0482 | WL | 07/06/2004 | 0001 | 58.00 -58.00 | 6600 | | F # | 500 | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 -58.00 | 6200 | | JF # | 500 | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 -58.00 | 5800 | | F # | 500 | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 -58.00 | 5800 | | F # | 500 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 - 58.00 | 6900 | | F # | 1000 | - |
| | mg/L | 0483 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 9100 | | F # | 250 | - |
| | mg/L | 0483 | WL | 06/03/2004 | 0001 | 18.00 - 18.00 | 9800 | | F # | 250 | - |
| | mg/L | 0483 | WL | 07/06/2004 | 0001 | 18.00 - 18.00 | 9600 | | F # | 250 | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 11000 | | JF # | 250 | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 11000 | | F # | 250 | - |
| | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 7700 | | F # | 250 | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 6100 | | F # | 100 | - |
| | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 3700 | | F # | 100 | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 4600 | | F # | 100 | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 2800 | | F # | 100 | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 3900 | | F # | 100 | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 3900 | | F # | 100 | - |
| | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 320 | | # | 25 | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 420 | | F # | 25 | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 4700 | | F # | 100 | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 4200 | | F # | 100 | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 4400 | | F # | 100 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 2830 | | F # | 61.2 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 2890 | | F # | 61.2 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 9800 | | F # | 250 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0002 | 28.00 - 28.00 | 9900 | | F # | 250 | - |
| | mg/L | 0484 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 9900 | | F # | 250 | - |
| | mg/L | 0484 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 11000 | | F # | 250 | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 11000 | | JF # | 250 | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 10000 | | F # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 11000 | | F | # | 500 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 10000 | | F | # | 500 | - |
| | mg/L | 0485 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 6000 | | F | # | 500 | - |
| | mg/L | 0485 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 6000 | | F | # | 500 | - |
| | mg/L | 0485 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 6300 | | F | # | 2500 | - |
| | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 6400 | | JF | # | 500 | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 6000 | | F | # | 500 | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 5800 | | F | # | 500 | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 680 | | F | # | 25 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 14000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 500 | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 9900 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0002 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 15000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 9800 | | F | # | 500 | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 8300 | | F | # | 500 | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 9400 | | F | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 9200 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 9800 | | F | # | 500 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 9700 | | F | # | 250 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 9700 | | F | # | 500 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 6500 | | F | # | 500 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 9300 | | F | # | 500 | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 9600 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 9700 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 8500 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 12000 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0002 | 36.00 - 36.00 | 12000 | | F | # | 1000 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 12000 | | F | # | 500 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 8300 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 8100 | | F | # | 250 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 8000 | | F | # | 250 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 7900 | | F | # | 250 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0002 | 19.00 - 19.00 | 8100 | | F | # | 250 | - |
| | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 3600 | | F | # | 250 | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 4600 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 2800 | | F | # | 100 | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 1700 | | | # | 50 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 1400 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0002 | 19.00 - 19.00 | 1500 | | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 2300 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 1100 | | F | # | 25 | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 910 | | F | # | 25 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 300 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0002 | 10.52 - 20.45 | 300 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 750 | | F | # | 10 | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 2100 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 2200 | | F | # | 50 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 1210 | | F | # | 12.2 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 1490 | | F | # | 61.2 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 8000 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 8300 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 8300 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 7300 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 8100 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 8400 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 11000 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 10000 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 10000 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 8800 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 9800 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0002 | 31.00 - 31.00 | 9500 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 9600 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 6800 | | F | # | 250 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 9500 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0002 | 30.00 - 40.00 | 9400 | | F | # | 500 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 8800 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 9500 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 9400 | | F | # | 500 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 9500 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 9600 | | F | # | 50 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 9500 | | F | # | 50 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 6500 | | F | # | 500 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 5600 | | F | # | 500 | - |
| | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 6400 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 6600 | | F | # | 250 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 6700 | | F | # | 1000 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 7500 | | F | # | 1000 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 2700 | | F | # | 50 | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 3200 | | F | # | 100 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 4200 | | F | # | 100 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 4400 | | F | # | 100 | - |
| Sulfide | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 0.02 | | F | # | 0.01 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 0.03 | | F | # | 0.01 | - |
| Temperature | C | 0403 | WL | 04/08/2004 | N001 | 13.26 - 18.18 | 14.7 | | F | # | - | - |
| | C | 0403 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 17.06 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0403 | WL | 06/03/2004 | N001 | 17.00 -17.00 | 17.7 | | F # | - | - |
| | C | 0403 | WL | 07/07/2004 | N001 | 17.00 -17.00 | 16.98 | | F # | - | - |
| | C | 0403 | WL | 08/04/2004 | N001 | 17.00 -17.00 | 18.90 | | F # | - | - |
| | C | 0403 | WL | 09/01/2004 | N001 | 17.00 -17.00 | 18.68 | | F # | - | - |
| | C | 0403 | WL | 10/14/2004 | N001 | 17.00 -17.00 | 17.79 | | F # | - | - |
| | C | 0403 | WL | 11/01/2004 | N001 | 16.00 -16.00 | 15.09 | | F # | - | - |
| | C | 0403 | WL | 11/19/2004 | N001 | 18.00 -18.00 | 14.03 | | F # | - | - |
| | C | 0403 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 11.05 | | F # | - | - |
| | C | 0403 | WL | 01/27/2005 | N001 | 18.00 -18.00 | 9.89 | | F # | - | - |
| | C | 0403 | WL | 02/23/2005 | N001 | 18.00 -18.00 | 9.26 | | F # | - | - |
| | C | 0403 | WL | 03/15/2005 | N001 | 18.00 -18.00 | 10.34 | | F # | - | - |
| | C | 0403 | WL | 04/20/2005 | N001 | 18.00 -18.00 | 12.34 | | F # | - | - |
| | C | 0403 | WL | 05/25/2005 | N001 | 18.00 -18.00 | 15.03 | | F # | - | - |
| | C | 0403 | WL | 06/23/2005 | N001 | 18.00 -18.00 | 16.49 | | F # | - | - |
| | C | 0403 | WL | 07/12/2005 | N001 | 18.00 -18.00 | 19.18 | | F # | - | - |
| | C | 0403 | WL | 07/26/2005 | N001 | 18.00 -18.00 | 17.25 | | F # | - | - |
| | C | 0403 | WL | 08/24/2005 | N001 | 18.00 -18.00 | 16.23 | | F # | - | - |
| | C | 0403 | WL | 09/27/2005 | N001 | 18.00 -18.00 | 16.59 | | F # | - | - |
| | C | 0403 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 16.82 | | F # | - | - |
| | C | 0403 | WL | 12/13/2005 | N001 | 18.00 -18.00 | 14.91 | | F # | - | - |
| | C | 0407 | WL | 04/07/2004 | N001 | 13.33 -18.25 | 16.0 | | F # | - | - |
| | C | 0407 | WL | 05/05/2004 | N001 | 16.50 -16.50 | 18.49 | | F # | - | - |
| | C | 0407 | WL | 06/03/2004 | N001 | 17.00 -17.00 | 17.2 | | F # | - | - |
| | C | 0407 | WL | 07/07/2004 | N001 | 17.00 -17.00 | 16.51 | | F # | - | - |
| | C | 0407 | WL | 08/04/2004 | N001 | 17.00 -17.00 | 18.20 | | F # | - | - |
| | C | 0407 | WL | 09/01/2004 | N001 | 17.00 -17.00 | 18.22 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0407 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 19.76 | F | # | - | - |
| | C | 0407 | WL | 10/28/2004 | N001 | 18.00 - 18.00 | 17.25 | F | # | - | - |
| | C | 0407 | WL | 11/18/2004 | N001 | 17.00 - 17.00 | 16.77 | F | # | - | - |
| | C | 0407 | WL | 12/15/2004 | N001 | 17.00 - 17.00 | 15.81 | F | # | - | - |
| | C | 0407 | WL | 01/27/2005 | N001 | 17.00 - 17.00 | 15.32 | F | # | - | - |
| | C | 0407 | WL | 03/15/2005 | N001 | 17.00 - 17.00 | 14.80 | F | # | - | - |
| | C | 0407 | WL | 05/25/2005 | N001 | 17.00 - 17.00 | 13.74 | F | # | - | - |
| | C | 0407 | WL | 06/23/2005 | N001 | 17.00 - 17.00 | 16.22 | F | # | - | - |
| | C | 0407 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 18.13 | F | # | - | - |
| | C | 0407 | WL | 07/26/2005 | N001 | 17.00 - 17.00 | 17.35 | F | # | - | - |
| | C | 0407 | WL | 08/24/2005 | N001 | 17.00 - 17.00 | 16.76 | F | # | - | - |
| | C | 0407 | WL | 09/27/2005 | N001 | 17.00 - 17.00 | 16.58 | F | # | - | - |
| | C | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 17.62 | F | # | - | - |
| | C | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 12.95 | F | # | - | - |
| | C | 0480 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 16.3 | F | # | - | - |
| | C | 0480 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 20.8 | F | # | - | - |
| | C | 0480 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 19.18 | F | # | - | - |
| | C | 0480 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 17.80 | F | # | - | - |
| | C | 0480 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 20.21 | F | # | - | - |
| | C | 0480 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 16.75 | F | # | - | - |
| | C | 0480 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 14.85 | F | # | - | - |
| | C | 0481 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 15.4 | F | # | - | - |
| | C | 0481 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 21.9 | F | # | - | - |
| | C | 0481 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 18.57 | F | # | - | - |
| | C | 0481 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 18.10 | F | # | - | - |
| | C | 0481 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 19.73 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0481 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 16.28 | | F # | - | - |
| | C | 0481 | WL | 01/26/2005 | N001 | 28.00 - 28.00 | 14.91 | | F # | - | - |
| | C | 0482 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 16.2 | | F # | - | - |
| | C | 0482 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 22.1 | | F # | - | - |
| | C | 0482 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 19.14 | | F # | - | - |
| | C | 0482 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 18.40 | | F # | - | - |
| | C | 0482 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 19.47 | | F # | - | - |
| | C | 0482 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 15.89 | | F # | - | - |
| | C | 0482 | WL | 01/26/2005 | N001 | 58.00 - 58.00 | 14.63 | | F # | - | - |
| | C | 0483 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 16.9 | | F # | - | - |
| | C | 0483 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 20.8 | | F # | - | - |
| | C | 0483 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 19.54 | | F # | - | - |
| | C | 0483 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 18.80 | | F # | - | - |
| | C | 0483 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 19.61 | | F # | - | - |
| | C | 0483 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 16.49 | | F # | - | - |
| | C | 0483 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 16.17 | | F # | - | - |
| | C | 0483 | WL | 12/15/2004 | N001 | 18.00 - 18.00 | 15.42 | | F # | - | - |
| | C | 0483 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 14.27 | | F # | - | - |
| | C | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 14.21 | | F # | - | - |
| | C | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 14.33 | | F # | - | - |
| | C | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 11.21 | | F # | - | - |
| | C | 0483 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 15.01 | | # | - | - |
| | C | 0483 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 15.69 | | F # | - | - |
| | C | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 18.25 | | F # | - | - |
| | C | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 16.85 | | F # | - | - |
| | C | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16.13 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 17.25 | | F # | - | - |
| | C | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 13.51 | | F # | - | - |
| | C | 0484 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 17.4 | | F # | - | - |
| | C | 0484 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 16.5 | | F # | - | - |
| | C | 0484 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 19.69 | | F # | - | - |
| | C | 0484 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 19.20 | | F # | - | - |
| | C | 0484 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 18.95 | | F # | - | - |
| | C | 0484 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 15.57 | | F # | - | - |
| | C | 0484 | WL | 11/19/2004 | N001 | 28.00 - 28.00 | 15.25 | | F # | - | - |
| | C | 0484 | WL | 01/27/2005 | N001 | 28.00 - 28.00 | 13.77 | | F # | - | - |
| | C | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 15.6 | | F # | - | - |
| | C | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 13.1 | | F # | - | - |
| | C | 0485 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 18.2 | | F # | - | - |
| | C | 0485 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 16.5 | | F # | - | - |
| | C | 0485 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 19.74 | | F # | - | - |
| | C | 0485 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 19.90 | | F # | - | - |
| | C | 0485 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 19.78 | | F # | - | - |
| | C | 0485 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 15.53 | | F # | - | - |
| | C | 0485 | WL | 01/27/2005 | N001 | 58.00 - 58.00 | 13.64 | | F # | - | - |
| | C | 0557 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 19.97 | | F # | - | - |
| | C | 0557 | WL | 08/18/2004 | N001 | 36.00 - 36.00 | 21.25 | | F # | - | - |
| | C | 0557 | WL | 09/01/2004 | N001 | 40.00 - 40.00 | 19.16 | | F # | - | - |
| | C | 0557 | WL | 10/13/2004 | N001 | 40.00 - 40.00 | 15.85 | | F # | - | - |
| | C | 0557 | WL | 11/19/2004 | N001 | 40.00 - 40.00 | 13.51 | | F # | - | - |
| | C | 0557 | WL | 12/16/2004 | N001 | 40.00 - 40.00 | 14.12 | | F # | - | - |
| | C | 0557 | WL | 01/26/2005 | N001 | 44.00 - 44.00 | 13.93 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0557 | WL | 01/26/2005 | N001 | 36.00 - 36.00 | 14.21 | | F # | - | - |
| | C | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 13.47 | | F # | - | - |
| | C | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 14.44 | | F # | - | - |
| | C | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 10.86 | | F # | - | - |
| | C | 0557 | WL | 05/25/2005 | N001 | 40.00 - 40.00 | 17.63 | | F # | - | - |
| | C | 0557 | WL | 06/24/2005 | N001 | 40.00 - 40.00 | 17.42 | | F # | - | - |
| | C | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 19.75 | | F # | - | - |
| | C | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 17.92 | | F # | - | - |
| | C | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 15.96 | | F # | - | - |
| | C | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 16.5 | | F # | - | - |
| | C | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 15.5 | | F # | - | - |
| | C | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 12.82 | | F # | - | - |
| | C | 0558 | WL | 08/19/2004 | N001 | 44.00 - 44.00 | 20.41 | | F # | - | - |
| | C | 0558 | WL | 08/19/2004 | N001 | 36.00 - 36.00 | 21.23 | | F # | - | - |
| | C | 0558 | WL | 09/01/2004 | N001 | 30.00 - 30.00 | 21.52 | | F # | - | - |
| | C | 0558 | WL | 10/14/2004 | N001 | 30.00 - 30.00 | 15.88 | | F # | - | - |
| | C | 0558 | WL | 01/27/2005 | N001 | 44.00 - 44.00 | 12.95 | | F # | - | - |
| | C | 0558 | WL | 01/27/2005 | N001 | 36.00 - 36.00 | 13.14 | | F # | - | - |
| | C | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 15.9 | | F # | - | - |
| | C | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 12.25 | | F # | - | - |
| | C | 0559 | WL | 08/19/2004 | N001 | 17.00 - 17.00 | 19.73 | | F # | - | - |
| | C | 0559 | WL | 08/19/2004 | N001 | 20.00 - 20.00 | 19.65 | | F # | - | - |
| | C | 0559 | WL | 09/02/2004 | N001 | 19.00 - 19.00 | 18.48 | | F # | - | - |
| | C | 0559 | WL | 10/14/2004 | N001 | 19.00 - 19.00 | 17.18 | | F # | - | - |
| | C | 0559 | WL | 11/19/2004 | N001 | 20.00 - 20.00 | 16.44 | | F # | - | - |
| | C | 0559 | WL | 12/15/2004 | N001 | 19.50 - 19.50 | 15.20 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0559 | WL | 01/27/2005 | N001 | 19.00 - 19.00 | 14.49 | | # | - | - |
| | C | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 14.59 | F | # | - | - |
| | C | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 12.39 | F | # | - | - |
| | C | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 10.01 | F | # | - | - |
| | C | 0559 | WL | 05/25/2005 | N001 | 19.00 - 19.00 | 15.28 | F | # | - | - |
| | C | 0559 | WL | 06/23/2005 | N001 | 19.00 - 19.00 | 15.75 | F | # | - | - |
| | C | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 17.89 | F | # | - | - |
| | C | 0559 | WL | 08/24/2005 | N001 | 19.00 - 19.00 | 15.36 | F | # | - | - |
| | C | 0559 | WL | 09/27/2005 | N001 | 19.00 - 19.00 | 16.50 | F | # | - | - |
| | C | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 17.25 | F | # | - | - |
| | C | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 11.56 | F | # | - | - |
| | C | 0560 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 17.02 | F | # | - | - |
| | C | 0560 | WL | 08/19/2004 | N001 | 31.00 - 31.00 | 17.75 | F | # | - | - |
| | C | 0560 | WL | 09/02/2004 | N001 | 35.00 - 35.00 | 19.32 | F | # | - | - |
| | C | 0560 | WL | 10/14/2004 | N001 | 35.00 - 35.00 | 15.78 | F | # | - | - |
| | C | 0560 | WL | 11/19/2004 | N001 | 31.00 - 31.00 | 14.50 | F | # | - | - |
| | C | 0560 | WL | 12/15/2004 | N001 | 31.00 - 31.00 | 13.63 | F | # | - | - |
| | C | 0560 | WL | 01/27/2005 | N001 | 39.00 - 39.00 | 13.06 | F | # | - | - |
| | C | 0560 | WL | 01/27/2005 | N001 | 31.00 - 31.00 | 12.78 | F | # | - | - |
| | C | 0560 | WL | 02/24/2005 | N001 | 31.00 - 31.00 | 13.29 | F | # | - | - |
| | C | 0560 | WL | 03/14/2005 | N001 | 31.00 - 31.00 | 11.54 | F | # | - | - |
| | C | 0560 | WL | 04/27/2005 | N001 | 31.00 - 31.00 | 10.11 | F | # | - | - |
| | C | 0560 | WL | 05/25/2005 | N001 | 31.00 - 31.00 | 16.31 | F | # | - | - |
| | C | 0560 | WL | 06/23/2005 | N001 | 31.00 - 31.00 | 18.07 | F | # | - | - |
| | C | 0560 | WL | 07/26/2005 | N001 | 31.00 - 31.00 | 20.31 | F | # | - | - |
| | C | 0560 | WL | 08/24/2005 | N001 | 31.00 - 31.00 | 15.08 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0560 | WL | 09/27/2005 | N001 | 31.00 - 31.00 | 17.61 | F | # | - | - |
| | C | 0560 | WL | 10/12/2005 | N001 | 31.00 - 31.00 | 15.4 | F | # | - | - |
| | C | 0560 | WL | 11/10/2005 | N001 | 31.00 - 31.00 | 13.6 | F | # | - | - |
| | C | 0560 | WL | 12/06/2005 | N001 | 31.00 - 31.00 | 11.84 | F | # | - | - |
| | C | 0561 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 17.31 | F | # | - | - |
| | C | 0561 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 16.96 | F | # | - | - |
| | C | 0561 | WL | 09/02/2004 | N001 | 50.00 - 50.00 | 18.22 | F | # | - | - |
| | C | 0561 | WL | 10/14/2004 | N001 | 50.00 - 50.00 | 16.09 | F | # | - | - |
| | C | 0561 | WL | 01/27/2005 | N001 | 46.00 - 46.00 | 13.58 | F | # | - | - |
| | C | 0561 | WL | 01/27/2005 | N001 | 54.00 - 54.00 | 14.05 | F | # | - | - |
| | C | 0596 | WL | 10/12/2005 | N001 | 24.00 - 24.00 | 14.8 | F | # | - | - |
| | C | 0596 | WL | 11/10/2005 | N001 | 24.00 - 24.00 | 14.5 | F | # | - | - |
| | C | 0596 | WL | 12/06/2005 | N001 | 24.00 - 24.00 | 14.41 | F | # | - | - |
| Total Dissolved Solids | mg/L | 0403 | WL | 04/08/2004 | 0001 | 13.26 - 18.18 | 17000 | F | # | 400 | - |
| | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 15000 | F | # | 400 | - |
| | mg/L | 0403 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 17000 | F | # | 400 | - |
| | mg/L | 0403 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 19000 | F | # | 400 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 18000 | JF | # | 400 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0002 | 17.00 - 17.00 | 18000 | JF | # | 400 | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 18000 | F | # | 400 | - |
| | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 - 17.00 | 9700 | F | # | 200 | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 4000 | F | # | 200 | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 1500 | F | # | 40 | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 1100 | F | # | 40 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 - 18.00 | 2500 | F | # | 80 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0002 | 18.00 - 18.00 | 2600 | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 1000 | | F | # | 40 | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 5900 | | F | # | 200 | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 - 18.00 | 2500 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 - 18.00 | 3400 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 3000 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 2100 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 - 18.00 | 2600 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0002 | 18.00 - 18.00 | 2700 | | F | # | 80 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 1520 | | F | # | 3.6 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 1870 | | F | # | 3.6 | - |
| | mg/L | 0407 | WL | 04/07/2004 | 0001 | 13.33 - 18.25 | 19000 | | F | # | 400 | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 19000 | | F | # | 400 | - |
| | mg/L | 0407 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 3100 | | F | # | 80 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0002 | 17.00 - 17.00 | 3000 | | F | # | 80 | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 1100 | | JF | # | 40 | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 1300 | | F | # | 400 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0002 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 - 18.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 - 17.00 | 920 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 - 17.00 | 950 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 - 17.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 - 17.00 | 9500 | | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 -17.00 | 3900 | | F | # | 80 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0002 | 17.00 -17.00 | 3800 | | F | # | 200 | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 -17.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 -17.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 -17.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 -17.00 | 980 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0002 | 17.00 -17.00 | 990 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 -17.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 1190 | | F | # | 3.6 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 722 | | F | # | 3.6 | - |
| | mg/L | 0480 | WL | 04/07/2004 | 0001 | 18.00 -18.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0480 | WL | 06/03/2004 | 0001 | 18.00 -18.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0480 | WL | 07/06/2004 | 0001 | 18.00 -18.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 -18.00 | 25000 | | JF | # | 1000 | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 -18.00 | 28000 | | F | # | 1000 | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 -18.00 | 27000 | | F | # | 400 | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 -18.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0481 | WL | 04/07/2004 | 0001 | 28.00 -28.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0001 | 28.00 -28.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0002 | 28.00 -28.00 | 25000 | | F | # | 400 | - |
| | mg/L | 0481 | WL | 07/06/2004 | 0001 | 28.00 -28.00 | 26000 | | F | # | 400 | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 -28.00 | 26000 | | JF | # | 1000 | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 -28.00 | 27000 | | F | # | 1000 | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 -28.00 | 27000 | | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 - 28.00 | 24000 | | F # | 400 | - |
| | mg/L | 0482 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 82000 | | F # | 2000 | - |
| | mg/L | 0482 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 84000 | | F # | 2000 | - |
| | mg/L | 0482 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 81000 | | F # | 2000 | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 81000 | | JF # | 2000 | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 87000 | | F # | 2000 | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 85000 | | F # | 2000 | - |
| | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 - 58.00 | 84000 | | F # | 2000 | - |
| | mg/L | 0483 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 19000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 06/03/2004 | 0001 | 18.00 - 18.00 | 23000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 07/06/2004 | 0001 | 18.00 - 18.00 | 24000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 27000 | | JF # | 1000 | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 34000 | | F # | 1000 | - |
| | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 23000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 16000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 11000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 8500 | | F # | 200 | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 7400 | | F # | 200 | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 13000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 11000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 1000 | | # | 80 | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 1400 | | F # | 40 | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 14000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 12000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 11000 | | F # | 400 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 7790 | | F # | 3.6 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 6610 | | F | # | 3.6 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 27000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0002 | 28.00 - 28.00 | 27000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 28000 | | F | # | 400 | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 28000 | | JF | # | 1000 | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 33000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 36000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 36000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 29000 | | F | # | 1000 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 37000 | | F | # | 2000 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 41000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 83000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 84000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 84000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 81000 | | JF | # | 2000 | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 86000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 87000 | | F | # | 2000 | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 84000 | | F | # | 2000 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 28000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 41000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 31000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 30000 | | F | # | 400 | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 31000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 30000 | | F | # | 1000 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0002 | 40.00 - 40.00 | 30000 | | F | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 26000 | F | # | 400 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 39000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 28000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 29000 | F | # | 400 | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 35000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 70000 | F | # | 2000 | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 37000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 45000 | F | # | 2000 | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 39000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 29000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 33000 | F | # | 1000 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 47000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 70000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 80000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 66000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 63000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 58000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 76000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0002 | 36.00 - 36.00 | 58000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 58000 | F | # | 2000 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 74000 | F | # | 2000 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 19000 | F | # | 400 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 20000 | F | # | 400 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 22000 | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0559 | WL | 09/02/2004 | 0002 | 19.00 - 19.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 6500 | | F | # | 400 | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 3600 | | | # | 80 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 3400 | | F | # | 200 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0002 | 19.00 - 19.00 | 3400 | | F | # | 80 | - |
| | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 5600 | | F | # | 200 | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 2300 | | F | # | 80 | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 770 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0002 | 10.52 - 20.45 | 780 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 5100 | | F | # | 200 | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 4600 | | F | # | 200 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 3150 | | F | # | 3.6 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 3350 | | F | # | 3.6 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 65000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 70000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 72000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 75000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 68000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 68000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 61000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 61000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 63000 | | F | # | 2000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 68000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 58000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0002 | 31.00 - 31.00 | 61000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 48000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 23000 | | F | # | 1000 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 65000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0002 | 30.00 - 40.00 | 65000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 65000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 62000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 45000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 68000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 68000 | | F | # | 2000 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 69000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 80000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 86000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 81000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 79000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 77000 | | F | # | 2000 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 85000 | | F | # | 2000 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 6000 | | F | # | 200 | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 7400 | | F | # | 400 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 8900 | | F | # | 400 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 8900 | | F | # | 400 | - |
| Total Inorganic Carbon | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 17.3 | | F | # | 2.2 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 83.2 | | F | # | 11.1 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 15.3 | | F | # | 2.2 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Inorganic Carbon | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 45.0 | | F | # | 4.4 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 28.6 | | F | # | 2.2 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 146 | | F | # | 11.1 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 27.1 | | F | # | 2.2 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 91.4 | | F | # | 11.1 | - |
| Total Kjeldahl Nitrogen | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 94.8 | | F | # | 0.12 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 81.4 | | F | # | 0.12 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 - 17.00 | 22.1 | | F | # | 0.061 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 - 17.00 | 20.2 | | F | # | 4.9 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 457 | | F | # | 0.12 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 368 | | F | # | 0.12 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 165 | | F | # | 0.061 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 185 | | F | # | 0.12 | - |
| Total Organic Carbon | mg/L | 0403 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 2650 | H | JF | # | 43 | - |
| | mg/L | 0403 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 3.9 | | F | # | 0.47 | - |
| | mg/L | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 1710 | H | JF | # | 43 | - |
| | mg/L | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 4.0 | | F | # | 0.47 | - |
| | mg/L | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 2160 | H | JF | # | 43 | - |
| | mg/L | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 4.2 | | F | # | 0.47 | - |
| | mg/L | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 2620 | H | JF | # | 43 | - |
| | mg/L | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 5.0 | | F | # | 0.47 | - |
| Turbidity | NTU | 0403 | WL | 04/08/2004 | N001 | 13.26 - 18.18 | 1.96 | | F | # | - | - |
| | NTU | 0403 | WL | 05/05/2004 | N001 | 16.50 - 16.50 | 7.49 | | F | # | - | - |
| | NTU | 0403 | WL | 06/03/2004 | N001 | 17.00 - 17.00 | 3.03 | | F | # | - | - |
| | NTU | 0403 | WL | 07/07/2004 | N001 | 17.00 - 17.00 | 1.26 | | F | # | - | - |
| | NTU | 0403 | WL | 08/04/2004 | N001 | 17.00 - 17.00 | 8.15 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0403 | WL | 09/01/2004 | N001 | 17.00 -17.00 | 5.38 | F | # | - | - |
| | NTU | 0403 | WL | 10/14/2004 | N001 | 17.00 -17.00 | 4.58 | F | # | - | - |
| | NTU | 0403 | WL | 11/01/2004 | N001 | 16.00 -16.00 | 4.79 | F | # | - | - |
| | NTU | 0403 | WL | 11/19/2004 | N001 | 18.00 -18.00 | 3.34 | F | # | - | - |
| | NTU | 0403 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 5.46 | F | # | - | - |
| | NTU | 0403 | WL | 01/27/2005 | N001 | 18.00 -18.00 | 0.50 | F | # | - | - |
| | NTU | 0403 | WL | 02/23/2005 | N001 | 18.00 -18.00 | 2.80 | F | # | - | - |
| | NTU | 0403 | WL | 03/15/2005 | N001 | 18.00 -18.00 | 4.31 | F | # | - | - |
| | NTU | 0403 | WL | 04/20/2005 | N001 | 18.00 -18.00 | 7.27 | F | # | - | - |
| | NTU | 0403 | WL | 05/25/2005 | N001 | 18.00 -18.00 | 5.82 | F | # | - | - |
| | NTU | 0403 | WL | 06/23/2005 | N001 | 18.00 -18.00 | 4.17 | F | # | - | - |
| | NTU | 0403 | WL | 07/12/2005 | N001 | 18.00 -18.00 | 2.05 | F | # | - | - |
| | NTU | 0403 | WL | 07/26/2005 | N001 | 18.00 -18.00 | 5.85 | F | # | - | - |
| | NTU | 0403 | WL | 08/24/2005 | N001 | 18.00 -18.00 | 6.26 | F | # | - | - |
| | NTU | 0403 | WL | 09/27/2005 | N001 | 18.00 -18.00 | 4.52 | F | # | - | - |
| | NTU | 0403 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 7.65 | F | # | - | - |
| | NTU | 0403 | WL | 12/13/2005 | N001 | 18.00 -18.00 | 2.05 | F | # | - | - |
| | NTU | 0407 | WL | 04/07/2004 | N001 | 13.33 -18.25 | 2.62 | F | # | - | - |
| | NTU | 0407 | WL | 05/05/2004 | N001 | 16.50 -16.50 | 1.99 | F | # | - | - |
| | NTU | 0407 | WL | 06/03/2004 | N001 | 17.00 -17.00 | 2.70 | F | # | - | - |
| | NTU | 0407 | WL | 07/07/2004 | N001 | 17.00 -17.00 | 1.32 | F | # | - | - |
| | NTU | 0407 | WL | 08/04/2004 | N001 | 17.00 -17.00 | 5.30 | F | # | - | - |
| | NTU | 0407 | WL | 09/01/2004 | N001 | 17.00 -17.00 | 8.59 | F | # | - | - |
| | NTU | 0407 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 1.97 | F | # | - | - |
| | NTU | 0407 | WL | 10/28/2004 | N001 | 18.00 -18.00 | 4.95 | F | # | - | - |
| | NTU | 0407 | WL | 11/18/2004 | N001 | 17.00 -17.00 | 4.61 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0407 | WL | 12/15/2004 | N001 | 17.00 - 17.00 | 4.86 | | F # | - | - |
| | NTU | 0407 | WL | 01/27/2005 | N001 | 17.00 - 17.00 | 0.68 | | F # | - | - |
| | NTU | 0407 | WL | 02/23/2005 | N001 | 17.00 - 17.00 | 0.88 | | F # | - | - |
| | NTU | 0407 | WL | 03/15/2005 | N001 | 17.00 - 17.00 | 4.36 | | F # | - | - |
| | NTU | 0407 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 1.99 | | F # | - | - |
| | NTU | 0407 | WL | 05/25/2005 | N001 | 17.00 - 17.00 | 5.40 | | F # | - | - |
| | NTU | 0407 | WL | 06/23/2005 | N001 | 17.00 - 17.00 | 9.57 | | F # | - | - |
| | NTU | 0407 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 3.03 | | F # | - | - |
| | NTU | 0407 | WL | 07/26/2005 | N001 | 17.00 - 17.00 | 3.86 | | F # | - | - |
| | NTU | 0407 | WL | 08/24/2005 | N001 | 17.00 - 17.00 | 1.33 | | F # | - | - |
| | NTU | 0407 | WL | 09/27/2005 | N001 | 17.00 - 17.00 | 2.17 | | F # | - | - |
| | NTU | 0407 | WL | 10/27/2005 | N001 | 17.00 - 17.00 | 1.73 | | F # | - | - |
| | NTU | 0407 | WL | 12/12/2005 | N001 | 17.00 - 17.00 | 1.34 | | F # | - | - |
| | NTU | 0480 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 0.50 | | F # | - | - |
| | NTU | 0480 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 3.54 | | F # | - | - |
| | NTU | 0480 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 1.16 | | F # | - | - |
| | NTU | 0480 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 1.79 | | F # | - | - |
| | NTU | 0480 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 1.10 | | F # | - | - |
| | NTU | 0480 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 1.57 | | F # | - | - |
| | NTU | 0480 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 2.60 | | F # | - | - |
| | NTU | 0481 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 0.93 | | F # | - | - |
| | NTU | 0481 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 2.85 | | F # | - | - |
| | NTU | 0481 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 1.54 | | F # | - | - |
| | NTU | 0481 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 2.80 | | F # | - | - |
| | NTU | 0481 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 2.91 | | F # | - | - |
| | NTU | 0481 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 3.98 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0481 | WL | 01/26/2005 | N001 | 28.00 - 28.00 | 3.46 | | F # | - | - |
| | NTU | 0482 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 1.04 | | F # | - | - |
| | NTU | 0482 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 53.7 | | F # | - | - |
| | NTU | 0482 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 7.27 | | F # | - | - |
| | NTU | 0482 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 5.27 | | F # | - | - |
| | NTU | 0482 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 7.42 | | F # | - | - |
| | NTU | 0482 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 4.49 | | F # | - | - |
| | NTU | 0482 | WL | 01/26/2005 | N001 | 58.00 - 58.00 | 6.19 | | F # | - | - |
| | NTU | 0483 | WL | 04/07/2004 | N001 | 18.00 - 18.00 | 4.86 | | F # | - | - |
| | NTU | 0483 | WL | 06/03/2004 | N001 | 18.00 - 18.00 | 1.57 | | F # | - | - |
| | NTU | 0483 | WL | 07/06/2004 | N001 | 18.00 - 18.00 | 2.06 | | F # | - | - |
| | NTU | 0483 | WL | 08/04/2004 | N001 | 18.00 - 18.00 | 2.22 | | F # | - | - |
| | NTU | 0483 | WL | 09/01/2004 | N001 | 18.00 - 18.00 | 2.83 | | F # | - | - |
| | NTU | 0483 | WL | 10/13/2004 | N001 | 18.00 - 18.00 | 3.83 | | F # | - | - |
| | NTU | 0483 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 3.15 | | F # | - | - |
| | NTU | 0483 | WL | 12/15/2004 | N001 | 18.00 - 18.00 | 1.49 | | F # | - | - |
| | NTU | 0483 | WL | 01/26/2005 | N001 | 18.00 - 18.00 | 1.66 | | F # | - | - |
| | NTU | 0483 | WL | 02/23/2005 | N001 | 18.00 - 18.00 | 2.31 | | F # | - | - |
| | NTU | 0483 | WL | 03/15/2005 | N001 | 18.00 - 18.00 | 0.64 | | F # | - | - |
| | NTU | 0483 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 1.22 | | F # | - | - |
| | NTU | 0483 | WL | 05/25/2005 | N001 | 18.00 - 18.00 | 5.17 | | # | - | - |
| | NTU | 0483 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 8.15 | | F # | - | - |
| | NTU | 0483 | WL | 07/26/2005 | N001 | 18.00 - 18.00 | 5.56 | | F # | - | - |
| | NTU | 0483 | WL | 08/24/2005 | N001 | 18.00 - 18.00 | 2.21 | | F # | - | - |
| | NTU | 0483 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 1.31 | | F # | - | - |
| | NTU | 0483 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 1.88 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0483 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 1.17 | F | # | - | - |
| | NTU | 0484 | WL | 04/07/2004 | N001 | 28.00 - 28.00 | 12.7 | F | # | - | - |
| | NTU | 0484 | WL | 06/03/2004 | N001 | 28.00 - 28.00 | 7.85 | F | # | - | - |
| | NTU | 0484 | WL | 07/06/2004 | N001 | 28.00 - 28.00 | 3.19 | F | # | - | - |
| | NTU | 0484 | WL | 08/04/2004 | N001 | 28.00 - 28.00 | 7.15 | F | # | - | - |
| | NTU | 0484 | WL | 09/01/2004 | N001 | 28.00 - 28.00 | 5.27 | F | # | - | - |
| | NTU | 0484 | WL | 10/13/2004 | N001 | 28.00 - 28.00 | 5.31 | F | # | - | - |
| | NTU | 0484 | WL | 11/19/2004 | N001 | 28.00 - 28.00 | 7.98 | F | # | - | - |
| | NTU | 0484 | WL | 01/27/2005 | N001 | 28.00 - 28.00 | 18.5 | F | # | - | - |
| | NTU | 0484 | WL | 10/12/2005 | N001 | 28.00 - 28.00 | 9.09 | F | # | - | - |
| | NTU | 0484 | WL | 12/07/2005 | N001 | 28.00 - 28.00 | 22.8 | F | # | - | - |
| | NTU | 0485 | WL | 04/07/2004 | N001 | 58.00 - 58.00 | 1.14 | F | # | - | - |
| | NTU | 0485 | WL | 06/03/2004 | N001 | 58.00 - 58.00 | 5.81 | F | # | - | - |
| | NTU | 0485 | WL | 07/06/2004 | N001 | 58.00 - 58.00 | 2.17 | F | # | - | - |
| | NTU | 0485 | WL | 08/04/2004 | N001 | 58.00 - 58.00 | 3.55 | F | # | - | - |
| | NTU | 0485 | WL | 09/01/2004 | N001 | 58.00 - 58.00 | 3.78 | F | # | - | - |
| | NTU | 0485 | WL | 10/13/2004 | N001 | 58.00 - 58.00 | 3.25 | F | # | - | - |
| | NTU | 0485 | WL | 01/27/2005 | N001 | 58.00 - 58.00 | 5.95 | F | # | - | - |
| | NTU | 0557 | WL | 08/18/2004 | N001 | 36.00 - 36.00 | 8.29 | F | # | - | - |
| | NTU | 0557 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 6.68 | F | # | - | - |
| | NTU | 0557 | WL | 09/01/2004 | N001 | 40.00 - 40.00 | 2.95 | F | # | - | - |
| | NTU | 0557 | WL | 10/13/2004 | N001 | 40.00 - 40.00 | 3.94 | F | # | - | - |
| | NTU | 0557 | WL | 11/19/2004 | N001 | 40.00 - 40.00 | 2.46 | F | # | - | - |
| | NTU | 0557 | WL | 12/16/2004 | N001 | 40.00 - 40.00 | 4.39 | F | # | - | - |
| | NTU | 0557 | WL | 01/26/2005 | N001 | 36.00 - 36.00 | 2.32 | F | # | - | - |
| | NTU | 0557 | WL | 01/26/2005 | N001 | 44.00 - 44.00 | 3.73 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0557 | WL | 02/24/2005 | N001 | 40.00 - 40.00 | 2.19 | F | # | - | - |
| | NTU | 0557 | WL | 03/15/2005 | N001 | 40.00 - 40.00 | 7.50 | F | # | - | - |
| | NTU | 0557 | WL | 04/27/2005 | N001 | 40.00 - 40.00 | 2.32 | F | # | - | - |
| | NTU | 0557 | WL | 05/25/2005 | N001 | 40.00 - 40.00 | 6.84 | F | # | - | - |
| | NTU | 0557 | WL | 06/24/2005 | N001 | 40.00 - 40.00 | 5.98 | F | # | - | - |
| | NTU | 0557 | WL | 07/26/2005 | N001 | 40.00 - 40.00 | 3.68 | F | # | - | - |
| | NTU | 0557 | WL | 08/24/2005 | N001 | 40.00 - 40.00 | 0.50 | F | # | - | - |
| | NTU | 0557 | WL | 09/28/2005 | N001 | 40.00 - 40.00 | 2.51 | F | # | - | - |
| | NTU | 0557 | WL | 10/12/2005 | N001 | 40.00 - 40.00 | 3.42 | F | # | - | - |
| | NTU | 0557 | WL | 11/10/2005 | N001 | 40.00 - 40.00 | 7.83 | F | # | - | - |
| | NTU | 0557 | WL | 12/07/2005 | N001 | 40.00 - 40.00 | 6.74 | F | # | - | - |
| | NTU | 0558 | WL | 08/19/2004 | N001 | 44.00 - 44.00 | 3.64 | F | # | - | - |
| | NTU | 0558 | WL | 08/19/2004 | N001 | 36.00 - 36.00 | 7.17 | F | # | - | - |
| | NTU | 0558 | WL | 09/01/2004 | N001 | 30.00 - 30.00 | 2.88 | F | # | - | - |
| | NTU | 0558 | WL | 10/14/2004 | N001 | 30.00 - 30.00 | 2.33 | F | # | - | - |
| | NTU | 0558 | WL | 01/27/2005 | N001 | 44.00 - 44.00 | 3.22 | F | # | - | - |
| | NTU | 0558 | WL | 01/27/2005 | N001 | 36.00 - 36.00 | 9.45 | F | # | - | - |
| | NTU | 0558 | WL | 10/12/2005 | N001 | 36.00 - 36.00 | 2.45 | F | # | - | - |
| | NTU | 0558 | WL | 12/07/2005 | N001 | 36.00 - 36.00 | 14.9 | F | # | - | - |
| | NTU | 0559 | WL | 08/19/2004 | N001 | 17.00 - 17.00 | 6.40 | F | # | - | - |
| | NTU | 0559 | WL | 08/19/2004 | N001 | 20.00 - 20.00 | 3.41 | F | # | - | - |
| | NTU | 0559 | WL | 09/02/2004 | N001 | 19.00 - 19.00 | 2.14 | F | # | - | - |
| | NTU | 0559 | WL | 10/14/2004 | N001 | 19.00 - 19.00 | 3.78 | F | # | - | - |
| | NTU | 0559 | WL | 11/19/2004 | N001 | 20.00 - 20.00 | 2.33 | F | # | - | - |
| | NTU | 0559 | WL | 12/15/2004 | N001 | 19.50 - 19.50 | 5.10 | F | # | - | - |
| | NTU | 0559 | WL | 01/27/2005 | N001 | 19.00 - 19.00 | 1.61 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0559 | WL | 02/23/2005 | N001 | 19.00 - 19.00 | 1.41 | F | # | - | - |
| | NTU | 0559 | WL | 03/14/2005 | N001 | 19.00 - 19.00 | 3.12 | F | # | - | - |
| | NTU | 0559 | WL | 04/27/2005 | N001 | 19.00 - 19.00 | 2.95 | F | # | - | - |
| | NTU | 0559 | WL | 05/25/2005 | N001 | 19.00 - 19.00 | 10.0 | F | # | - | - |
| | NTU | 0559 | WL | 06/23/2005 | N001 | 19.00 - 19.00 | 554 | F | # | - | - |
| | NTU | 0559 | WL | 07/26/2005 | N001 | 19.00 - 19.00 | 5.96 | F | # | - | - |
| | NTU | 0559 | WL | 08/24/2005 | N001 | 19.00 - 19.00 | 1.00 | F | # | - | - |
| | NTU | 0559 | WL | 09/27/2005 | N001 | 19.00 - 19.00 | 8.96 | F | # | - | - |
| | NTU | 0559 | WL | 10/27/2005 | N001 | 19.00 - 19.00 | 5.00 | F | # | - | - |
| | NTU | 0559 | WL | 12/13/2005 | N001 | 19.00 - 19.00 | 4.59 | F | # | - | - |
| | NTU | 0560 | WL | 08/19/2004 | N001 | 31.00 - 31.00 | 4.60 | F | # | - | - |
| | NTU | 0560 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 5.14 | F | # | - | - |
| | NTU | 0560 | WL | 09/02/2004 | N001 | 35.00 - 35.00 | 4.49 | F | # | - | - |
| | NTU | 0560 | WL | 10/14/2004 | N001 | 35.00 - 35.00 | 2.69 | F | # | - | - |
| | NTU | 0560 | WL | 11/19/2004 | N001 | 31.00 - 31.00 | 2.50 | F | # | - | - |
| | NTU | 0560 | WL | 12/15/2004 | N001 | 31.00 - 31.00 | 1.94 | F | # | - | - |
| | NTU | 0560 | WL | 01/27/2005 | N001 | 31.00 - 31.00 | 1.52 | F | # | - | - |
| | NTU | 0560 | WL | 01/27/2005 | N001 | 39.00 - 39.00 | 2.10 | F | # | - | - |
| | NTU | 0560 | WL | 02/24/2005 | N001 | 31.00 - 31.00 | 2.21 | F | # | - | - |
| | NTU | 0560 | WL | 03/14/2005 | N001 | 31.00 - 31.00 | 1.23 | F | # | - | - |
| | NTU | 0560 | WL | 04/27/2005 | N001 | 31.00 - 31.00 | 1.84 | F | # | - | - |
| | NTU | 0560 | WL | 05/25/2005 | N001 | 31.00 - 31.00 | 2.20 | F | # | - | - |
| | NTU | 0560 | WL | 06/23/2005 | N001 | 31.00 - 31.00 | 1.15 | F | # | - | - |
| | NTU | 0560 | WL | 07/26/2005 | N001 | 31.00 - 31.00 | 2.24 | F | # | - | - |
| | NTU | 0560 | WL | 08/24/2005 | N001 | 31.00 - 31.00 | 1.32 | F | # | - | - |
| | NTU | 0560 | WL | 09/27/2005 | N001 | 31.00 - 31.00 | 4.13 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0560 | WL | 10/12/2005 | N001 | 31.00 - 31.00 | 2.03 | | F | # | - | - |
| | NTU | 0560 | WL | 11/10/2005 | N001 | 31.00 - 31.00 | 7.87 | | F | # | - | - |
| | NTU | 0560 | WL | 12/06/2005 | N001 | 31.00 - 31.00 | 5.76 | | F | # | - | - |
| | NTU | 0561 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 10.5 | | F | # | - | - |
| | NTU | 0561 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 4.07 | | F | # | - | - |
| | NTU | 0561 | WL | 09/02/2004 | N001 | 50.00 - 50.00 | 2.82 | | F | # | - | - |
| | NTU | 0561 | WL | 10/14/2004 | N001 | 50.00 - 50.00 | 6.43 | | F | # | - | - |
| | NTU | 0561 | WL | 01/27/2005 | N001 | 54.00 - 54.00 | 11.5 | | F | # | - | - |
| | NTU | 0561 | WL | 01/27/2005 | N001 | 46.00 - 46.00 | 41.0 | | F | # | - | - |
| | NTU | 0596 | WL | 10/12/2005 | N001 | 24.00 - 24.00 | 1.81 | | F | # | - | - |
| | NTU | 0596 | WL | 11/10/2005 | N001 | 24.00 - 24.00 | 7.99 | | F | # | - | - |
| | NTU | 0596 | WL | 12/06/2005 | N001 | 24.00 - 24.00 | 3.44 | | F | # | - | - |
| Uranium | mg/L | 0403 | WL | 04/08/2004 | 0001 | 13.26 - 18.18 | 2.600 | | F | # | 0.00069 | - |
| | mg/L | 0403 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 2.600 | | F | # | 0.00069 | - |
| | mg/L | 0403 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 2.700 | | F | # | 0.00028 | - |
| | mg/L | 0403 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 2.700 | | F | # | 0.00069 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 2.800 | | F | # | 0.0012 | - |
| | mg/L | 0403 | WL | 08/04/2004 | 0002 | 17.00 - 17.00 | 2.800 | | F | # | 0.0012 | - |
| | mg/L | 0403 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 2.700 | | F | # | 0.0012 | - |
| | mg/L | 0403 | WL | 10/14/2004 | 0001 | 17.00 - 17.00 | 1.300 | | JF | # | 0.00083 | - |
| | mg/L | 0403 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 0.520 | | F | # | 0.00083 | - |
| | mg/L | 0403 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 0.200 | | F | # | 4.2E-05 | - |
| | mg/L | 0403 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 0.120 | | F | # | 4.2E-05 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0001 | 18.00 - 18.00 | 0.420 | | F | # | 0.00046 | - |
| | mg/L | 0403 | WL | 01/27/2005 | 0002 | 18.00 - 18.00 | 0.450 | | F | # | 2.3E-05 | - |
| | mg/L | 0403 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 0.170 | | F | # | 4.5E-05 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0403 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 0.130 | | F | # | 4.5E-05 | - |
| | mg/L | 0403 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 0.890 | | F | # | 0.00022 | - |
| | mg/L | 0403 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 0.240 | | F | # | 1.1E-05 | - |
| | mg/L | 0403 | WL | 06/23/2005 | 0001 | 18.00 - 18.00 | 0.470 | | F | # | 0.00011 | - |
| | mg/L | 0403 | WL | 07/12/2005 | 0001 | 18.00 - 18.00 | 0.470 | | F | # | 1.9E-05 | - |
| | mg/L | 0403 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 0.360 | | F | # | 0.00019 | - |
| | mg/L | 0403 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 0.310 | | F | # | 3.8E-05 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0001 | 18.00 - 18.00 | 0.400 | | F | # | 4.8E-05 | - |
| | mg/L | 0403 | WL | 09/27/2005 | 0002 | 18.00 - 18.00 | 0.390 | | F | # | 4.8E-05 | - |
| | mg/L | 0403 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.262 | | F | # | 0.00014 | - |
| | mg/L | 0403 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.282 | | F | # | 0.00014 | - |
| | mg/L | 0407 | WL | 04/07/2004 | 0001 | 13.33 - 18.25 | 2.700 | | F | # | 0.00069 | - |
| | mg/L | 0407 | WL | 05/05/2004 | 0001 | 16.50 - 16.50 | 3.100 | | F | # | 0.00069 | - |
| | mg/L | 0407 | WL | 06/03/2004 | 0001 | 17.00 - 17.00 | 3.000 | | F | # | 0.00028 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0001 | 17.00 - 17.00 | 0.730 | | F | # | 0.00034 | - |
| | mg/L | 0407 | WL | 07/07/2004 | 0002 | 17.00 - 17.00 | 0.710 | | F | # | 0.00034 | - |
| | mg/L | 0407 | WL | 08/04/2004 | 0001 | 17.00 - 17.00 | 0.260 | | F | # | 0.00012 | - |
| | mg/L | 0407 | WL | 09/01/2004 | 0001 | 17.00 - 17.00 | 0.200 | | F | # | 0.00012 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 0.200 | | JF | # | 8.3E-05 | - |
| | mg/L | 0407 | WL | 10/14/2004 | 0002 | 18.00 - 18.00 | 0.190 | E | JF | # | 8.3E-05 | - |
| | mg/L | 0407 | WL | 10/28/2004 | 0001 | 18.00 - 18.00 | 0.280 | | F | # | 8.3E-05 | - |
| | mg/L | 0407 | WL | 11/18/2004 | 0001 | 17.00 - 17.00 | 0.180 | | F | # | 4.2E-05 | - |
| | mg/L | 0407 | WL | 12/15/2004 | 0001 | 17.00 - 17.00 | 0.150 | | F | # | 4.2E-05 | - |
| | mg/L | 0407 | WL | 01/27/2005 | 0001 | 17.00 - 17.00 | 1.000 | E | F | # | 0.00046 | - |
| | mg/L | 0407 | WL | 02/23/2005 | 0001 | 17.00 - 17.00 | 0.960 | | F | # | 4.5E-05 | - |
| | mg/L | 0407 | WL | 03/15/2005 | 0001 | 17.00 - 17.00 | 0.500 | | F | # | 4.5E-05 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0407 | WL | 03/15/2005 | 0002 | 17.00 -17.00 | 0.480 | | F | # | 4.5E-05 | - |
| | mg/L | 0407 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 0.270 | | F | # | 1.1E-05 | - |
| | mg/L | 0407 | WL | 05/25/2005 | 0001 | 17.00 -17.00 | 0.110 | | F | # | 2.2E-05 | - |
| | mg/L | 0407 | WL | 06/23/2005 | 0001 | 17.00 -17.00 | 0.170 | | F | # | 1.1E-05 | - |
| | mg/L | 0407 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 0.260 | | F | # | 1.9E-05 | - |
| | mg/L | 0407 | WL | 07/26/2005 | 0001 | 17.00 -17.00 | 0.270 | | F | # | 1.9E-05 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0001 | 17.00 -17.00 | 0.180 | | F | # | 1.9E-05 | - |
| | mg/L | 0407 | WL | 08/24/2005 | 0002 | 17.00 -17.00 | 0.200 | | F | # | 3.8E-05 | - |
| | mg/L | 0407 | WL | 09/27/2005 | 0001 | 17.00 -17.00 | 0.160 | | F | # | 2.4E-05 | - |
| | mg/L | 0407 | WL | 10/27/2005 | 0001 | 17.00 -17.00 | 0.0852 | | F | # | 0.00014 | - |
| | mg/L | 0407 | WL | 12/12/2005 | 0001 | 17.00 -17.00 | 0.0629 | | F | # | 0.00014 | - |
| | mg/L | 0480 | WL | 04/07/2004 | 0001 | 18.00 -18.00 | 3.100 | | F | # | 0.00069 | - |
| | mg/L | 0480 | WL | 06/03/2004 | 0001 | 18.00 -18.00 | 3.100 | | F | # | 0.00028 | - |
| | mg/L | 0480 | WL | 07/06/2004 | 0001 | 18.00 -18.00 | 3.000 | | F | # | 0.00069 | - |
| | mg/L | 0480 | WL | 08/04/2004 | 0001 | 18.00 -18.00 | 3.000 | | F | # | 0.0012 | - |
| | mg/L | 0480 | WL | 09/01/2004 | 0001 | 18.00 -18.00 | 3.100 | | F | # | 0.0012 | - |
| | mg/L | 0480 | WL | 10/13/2004 | 0001 | 18.00 -18.00 | 2.900 | | JF | # | 0.00083 | - |
| | mg/L | 0480 | WL | 01/26/2005 | 0001 | 18.00 -18.00 | 2.900 | | F | # | 0.00046 | - |
| | mg/L | 0481 | WL | 04/07/2004 | 0001 | 28.00 -28.00 | 2.800 | | F | # | 0.00069 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0001 | 28.00 -28.00 | 3.200 | | F | # | 0.00028 | - |
| | mg/L | 0481 | WL | 06/03/2004 | 0002 | 28.00 -28.00 | 3.100 | | F | # | 0.00028 | - |
| | mg/L | 0481 | WL | 07/06/2004 | 0001 | 28.00 -28.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0481 | WL | 08/04/2004 | 0001 | 28.00 -28.00 | 3.000 | | F | # | 0.0012 | - |
| | mg/L | 0481 | WL | 09/01/2004 | 0001 | 28.00 -28.00 | 3.100 | | F | # | 0.0012 | - |
| | mg/L | 0481 | WL | 10/13/2004 | 0001 | 28.00 -28.00 | 3.100 | | JF | # | 0.00083 | - |
| | mg/L | 0481 | WL | 01/26/2005 | 0001 | 28.00 -28.00 | 2.800 | | F | # | 0.00046 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0482 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 0.630 | | F | # | 0.00069 | - |
| | mg/L | 0482 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 0.880 | | F | # | 2.8E-05 | - |
| | mg/L | 0482 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 0.750 | | F | # | 6.9E-05 | - |
| | mg/L | 0482 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 0.700 | | F | # | 0.00012 | - |
| | mg/L | 0482 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 0.890 | | F | # | 0.00012 | - |
| | mg/L | 0482 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 0.510 | | JF | # | 0.00083 | - |
| | mg/L | 0482 | WL | 01/26/2005 | 0001 | 58.00 - 58.00 | 0.580 | | F | # | 0.00046 | - |
| | mg/L | 0483 | WL | 04/07/2004 | 0001 | 18.00 - 18.00 | 3.300 | | F | # | 0.00069 | - |
| | mg/L | 0483 | WL | 06/03/2004 | 0001 | 18.00 - 18.00 | 3.000 | | F | # | 0.00028 | - |
| | mg/L | 0483 | WL | 07/06/2004 | 0001 | 18.00 - 18.00 | 2.600 | | F | # | 0.00069 | - |
| | mg/L | 0483 | WL | 08/04/2004 | 0001 | 18.00 - 18.00 | 2.700 | | F | # | 0.0012 | - |
| | mg/L | 0483 | WL | 09/01/2004 | 0001 | 18.00 - 18.00 | 2.900 | | F | # | 0.0012 | - |
| | mg/L | 0483 | WL | 10/13/2004 | 0001 | 18.00 - 18.00 | 1.900 | | JF | # | 0.00083 | - |
| | mg/L | 0483 | WL | 11/19/2004 | 0001 | 18.00 - 18.00 | 1.600 | | F | # | 0.00083 | - |
| | mg/L | 0483 | WL | 12/15/2004 | 0001 | 18.00 - 18.00 | 1.100 | | F | # | 0.00083 | - |
| | mg/L | 0483 | WL | 01/26/2005 | 0001 | 18.00 - 18.00 | 1.200 | | F | # | 0.00046 | - |
| | mg/L | 0483 | WL | 02/23/2005 | 0001 | 18.00 - 18.00 | 0.840 | | F | # | 4.5E-05 | - |
| | mg/L | 0483 | WL | 03/15/2005 | 0001 | 18.00 - 18.00 | 1.000 | | F | # | 0.00046 | - |
| | mg/L | 0483 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 1.200 | | F | # | 0.00022 | - |
| | mg/L | 0483 | WL | 05/25/2005 | 0001 | 18.00 - 18.00 | 0.280 | | | # | 1.1E-05 | - |
| | mg/L | 0483 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 0.310 | | F | # | 0.00011 | - |
| | mg/L | 0483 | WL | 07/26/2005 | 0001 | 18.00 - 18.00 | 1.200 | | F | # | 0.00019 | - |
| | mg/L | 0483 | WL | 08/24/2005 | 0001 | 18.00 - 18.00 | 0.880 | | F | # | 0.00038 | - |
| | mg/L | 0483 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 1.000 | | F | # | 0.00048 | - |
| | mg/L | 0483 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.984 | | F | # | 0.00014 | - |
| | mg/L | 0483 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.793 | | F | # | 0.00014 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0484 | WL | 04/07/2004 | 0001 | 28.00 - 28.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0484 | WL | 04/07/2004 | 0002 | 28.00 - 28.00 | 2.800 | | F | # | 0.00069 | - |
| | mg/L | 0484 | WL | 06/03/2004 | 0001 | 28.00 - 28.00 | 3.000 | | F | # | 0.00028 | - |
| | mg/L | 0484 | WL | 07/06/2004 | 0001 | 28.00 - 28.00 | 2.900 | | F | # | 0.00069 | - |
| | mg/L | 0484 | WL | 08/04/2004 | 0001 | 28.00 - 28.00 | 3.000 | | F | # | 0.0012 | - |
| | mg/L | 0484 | WL | 09/01/2004 | 0001 | 28.00 - 28.00 | 3.000 | | F | # | 0.0012 | - |
| | mg/L | 0484 | WL | 10/13/2004 | 0001 | 28.00 - 28.00 | 2.600 | | JF | # | 0.00083 | - |
| | mg/L | 0484 | WL | 11/19/2004 | 0001 | 28.00 - 28.00 | 2.300 | | F | # | 0.00083 | - |
| | mg/L | 0484 | WL | 01/27/2005 | 0001 | 28.00 - 28.00 | 2.700 | | F | # | 0.00046 | - |
| | mg/L | 0484 | WL | 10/12/2005 | 0001 | 28.00 - 28.00 | 2.400 | | F | # | 0.00048 | - |
| | mg/L | 0484 | WL | 12/07/2005 | 0001 | 28.00 - 28.00 | 2.800 | | F | # | 0.00024 | - |
| | mg/L | 0485 | WL | 04/07/2004 | 0001 | 58.00 - 58.00 | 0.510 | | F | # | 0.00069 | - |
| | mg/L | 0485 | WL | 06/03/2004 | 0001 | 58.00 - 58.00 | 0.780 | | F | # | 2.8E-05 | - |
| | mg/L | 0485 | WL | 07/06/2004 | 0001 | 58.00 - 58.00 | 0.540 | | F | # | 0.00069 | - |
| | mg/L | 0485 | WL | 08/04/2004 | 0001 | 58.00 - 58.00 | 0.630 | | F | # | 0.00012 | - |
| | mg/L | 0485 | WL | 09/01/2004 | 0001 | 58.00 - 58.00 | 0.530 | | F | # | 0.0012 | - |
| | mg/L | 0485 | WL | 10/13/2004 | 0001 | 58.00 - 58.00 | 0.410 | | JF | # | 0.00083 | - |
| | mg/L | 0485 | WL | 01/27/2005 | 0001 | 58.00 - 58.00 | 0.800 | | F | # | 4.5E-05 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 36.00 - 36.00 | 2.900 | | F | # | 0.0012 | - |
| | mg/L | 0557 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 3.100 | | F | # | 0.0012 | - |
| | mg/L | 0557 | WL | 09/01/2004 | 0001 | 40.00 - 40.00 | 3.000 | | F | # | 0.0012 | - |
| | mg/L | 0557 | WL | 10/13/2004 | 0001 | 40.00 - 40.00 | 2.900 | | JF | # | 0.00083 | - |
| | mg/L | 0557 | WL | 11/19/2004 | 0001 | 40.00 - 40.00 | 3.000 | | F | # | 0.00083 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0001 | 40.00 - 40.00 | 2.700 | | F | # | 0.00083 | - |
| | mg/L | 0557 | WL | 12/16/2004 | 0002 | 40.00 - 40.00 | 2.700 | | F | # | 0.00083 | - |
| | mg/L | 0557 | WL | 01/26/2005 | 0001 | 44.00 - 44.00 | 2.500 | | F | # | 0.00046 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0557 | WL | 01/26/2005 | 0001 | 36.00 - 36.00 | 2.900 | | F | # | 0.00046 | - |
| | mg/L | 0557 | WL | 02/24/2005 | 0001 | 40.00 - 40.00 | 2.700 | | F | # | 0.00046 | - |
| | mg/L | 0557 | WL | 03/15/2005 | 0001 | 40.00 - 40.00 | 2.100 | | F | # | 0.00046 | - |
| | mg/L | 0557 | WL | 04/27/2005 | 0001 | 40.00 - 40.00 | 2.600 | | F | # | 0.00022 | - |
| | mg/L | 0557 | WL | 05/25/2005 | 0001 | 40.00 - 40.00 | 1.300 | | F | # | 0.00011 | - |
| | mg/L | 0557 | WL | 06/24/2005 | 0001 | 40.00 - 40.00 | 2.600 | | F | # | 0.00011 | - |
| | mg/L | 0557 | WL | 07/26/2005 | 0001 | 40.00 - 40.00 | 2.400 | | F | # | 0.00038 | - |
| | mg/L | 0557 | WL | 08/24/2005 | 0001 | 40.00 - 40.00 | 2.200 | | F | # | 0.00038 | - |
| | mg/L | 0557 | WL | 09/28/2005 | 0001 | 40.00 - 40.00 | 2.400 | | F | # | 0.00048 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0001 | 40.00 - 40.00 | 2.600 | | F | # | 0.00024 | - |
| | mg/L | 0557 | WL | 10/12/2005 | 0002 | 40.00 - 40.00 | 2.500 | | F | # | 0.00024 | - |
| | mg/L | 0557 | WL | 11/10/2005 | 0001 | 40.00 - 40.00 | 2.600 | | F | # | 0.00048 | - |
| | mg/L | 0557 | WL | 12/07/2005 | 0001 | 40.00 - 40.00 | 2.300 | | F | # | 0.00024 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 44.00 - 44.00 | 0.780 | | F | # | 0.00012 | - |
| | mg/L | 0558 | WL | 08/19/2004 | 0001 | 36.00 - 36.00 | 1.400 | | F | # | 0.0012 | - |
| | mg/L | 0558 | WL | 09/01/2004 | 0001 | 30.00 - 30.00 | 1.800 | | F | # | 0.0012 | - |
| | mg/L | 0558 | WL | 10/14/2004 | 0001 | 30.00 - 30.00 | 1.600 | | JF | # | 0.00083 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 44.00 - 44.00 | 1.000 | | F | # | 9.1E-05 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0001 | 36.00 - 36.00 | 1.700 | | F | # | 0.00046 | - |
| | mg/L | 0558 | WL | 01/27/2005 | 0002 | 36.00 - 36.00 | 1.700 | | F | # | 0.00046 | - |
| | mg/L | 0558 | WL | 10/12/2005 | 0001 | 36.00 - 36.00 | 2.200 | | F | # | 0.00024 | - |
| | mg/L | 0558 | WL | 12/07/2005 | 0001 | 36.00 - 36.00 | 1.200 | | F | # | 0.00024 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 20.00 - 20.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0559 | WL | 08/19/2004 | 0001 | 17.00 - 17.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0001 | 19.00 - 19.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0559 | WL | 09/02/2004 | 0002 | 19.00 - 19.00 | 2.400 | | F | # | 0.0012 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0559 | WL | 10/14/2004 | 0001 | 19.00 - 19.00 | 0.950 | | JF | # | 0.00083 | - |
| | mg/L | 0559 | WL | 11/19/2004 | 0001 | 20.00 - 20.00 | 1.400 | | F | # | 0.00083 | - |
| | mg/L | 0559 | WL | 12/15/2004 | 0001 | 19.50 - 19.50 | 0.910 | | F | # | 0.00083 | - |
| | mg/L | 0559 | WL | 01/27/2005 | 0001 | 19.00 - 19.00 | 0.530 | | | # | 4.5E-05 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0001 | 19.00 - 19.00 | 0.480 | | F | # | 0.00046 | - |
| | mg/L | 0559 | WL | 02/23/2005 | 0002 | 19.00 - 19.00 | 0.560 | | F | # | 0.00046 | - |
| | mg/L | 0559 | WL | 03/14/2005 | 0001 | 19.00 - 19.00 | 0.680 | | F | # | 4.5E-05 | - |
| | mg/L | 0559 | WL | 04/27/2005 | 0001 | 19.00 - 19.00 | 0.320 | | F | # | 1.1E-05 | - |
| | mg/L | 0559 | WL | 05/25/2005 | 0001 | 19.00 - 19.00 | 0.210 | | F | # | 2.2E-05 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0001 | 19.00 - 19.00 | 0.170 | | F | # | 1.1E-05 | - |
| | mg/L | 0559 | WL | 06/23/2005 | 0002 | 10.52 - 20.45 | 0.140 | | F | # | 1.1E-05 | - |
| | mg/L | 0559 | WL | 07/26/2005 | 0001 | 19.00 - 19.00 | 0.250 | | F | # | 0.00019 | - |
| | mg/L | 0559 | WL | 08/24/2005 | 0001 | 19.00 - 19.00 | 0.670 | | F | # | 0.00019 | - |
| | mg/L | 0559 | WL | 09/27/2005 | 0001 | 19.00 - 19.00 | 0.710 | | F | # | 0.00048 | - |
| | mg/L | 0559 | WL | 10/27/2005 | 0001 | 19.00 - 19.00 | 0.542 | | F | # | 0.00014 | - |
| | mg/L | 0559 | WL | 12/13/2005 | 0001 | 19.00 - 19.00 | 0.442 | | F | # | 0.00014 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 1.300 | E | JF | # | 0.0012 | - |
| | mg/L | 0560 | WL | 08/19/2004 | 0001 | 31.00 - 31.00 | 1.400 | | F | # | 0.0012 | - |
| | mg/L | 0560 | WL | 09/02/2004 | 0001 | 35.00 - 35.00 | 1.400 | | F | # | 0.0012 | - |
| | mg/L | 0560 | WL | 10/14/2004 | 0001 | 35.00 - 35.00 | 0.920 | | JF | # | 0.00083 | - |
| | mg/L | 0560 | WL | 11/19/2004 | 0001 | 31.00 - 31.00 | 1.500 | | F | # | 0.00083 | - |
| | mg/L | 0560 | WL | 12/15/2004 | 0001 | 31.00 - 31.00 | 1.300 | E | F | # | 0.00083 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 31.00 - 31.00 | 1.700 | | F | # | 0.00046 | - |
| | mg/L | 0560 | WL | 01/27/2005 | 0001 | 39.00 - 39.00 | 1.700 | | F | # | 0.00046 | - |
| | mg/L | 0560 | WL | 02/24/2005 | 0001 | 31.00 - 31.00 | 1.600 | | F | # | 0.00046 | - |
| | mg/L | 0560 | WL | 03/14/2005 | 0001 | 31.00 - 31.00 | 1.100 | | F | # | 0.00046 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0560 | WL | 04/27/2005 | 0001 | 31.00 - 31.00 | 1.700 | F | # | 0.00022 | - |
| | mg/L | 0560 | WL | 04/27/2005 | 0002 | 31.00 - 31.00 | 1.800 | F | # | 0.00022 | - |
| | mg/L | 0560 | WL | 05/25/2005 | 0001 | 31.00 - 31.00 | 1.800 | F | # | 0.00011 | - |
| | mg/L | 0560 | WL | 06/23/2005 | 0001 | 31.00 - 31.00 | 1.400 | F | # | 0.00011 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0001 | 31.00 - 31.00 | 1.600 | F | # | 0.00019 | - |
| | mg/L | 0560 | WL | 07/26/2005 | 0002 | 30.00 - 40.00 | 1.600 | F | # | 0.00019 | - |
| | mg/L | 0560 | WL | 08/24/2005 | 0001 | 31.00 - 31.00 | 1.500 | F | # | 0.00038 | - |
| | mg/L | 0560 | WL | 09/27/2005 | 0001 | 31.00 - 31.00 | 1.600 | F | # | 0.00048 | - |
| | mg/L | 0560 | WL | 10/12/2005 | 0001 | 31.00 - 31.00 | 1.700 | F | # | 0.00024 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0001 | 31.00 - 31.00 | 1.500 | F | # | 0.00024 | - |
| | mg/L | 0560 | WL | 11/10/2005 | 0002 | 31.00 - 31.00 | 1.600 | F | # | 0.00048 | - |
| | mg/L | 0560 | WL | 12/06/2005 | 0001 | 31.00 - 31.00 | 1.500 | F | # | 0.00024 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 0.390 | F | # | 0.00012 | - |
| | mg/L | 0561 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 0.870 | F | # | 0.00012 | - |
| | mg/L | 0561 | WL | 09/02/2004 | 0001 | 50.00 - 50.00 | 0.500 | F | # | 0.00012 | - |
| | mg/L | 0561 | WL | 10/14/2004 | 0001 | 50.00 - 50.00 | 0.430 | JF | # | 0.00083 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 54.00 - 54.00 | 0.470 | F | # | 0.00046 | - |
| | mg/L | 0561 | WL | 01/27/2005 | 0001 | 46.00 - 46.00 | 0.920 | F | # | 9.1E-05 | - |
| | mg/L | 0596 | WL | 10/12/2005 | 0001 | 24.00 - 24.00 | 0.930 | F | # | 0.00024 | - |
| | mg/L | 0596 | WL | 11/10/2005 | 0001 | 24.00 - 24.00 | 0.960 | F | # | 0.00024 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0001 | 24.00 - 24.00 | 1.000 | F | # | 0.00024 | - |
| | mg/L | 0596 | WL | 12/06/2005 | 0002 | 24.00 - 24.00 | 0.990 | F | # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:26 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in('0403','0407','0480','0481','0482','0483','0484','0485','0551','0552','0553','0554','0555','0556','0557','0558','0559','0560','0561','0596') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 398 | | QF | # | - | - |
| Ammonia Total as N | mg/L | 0562 | WL | 01/27/2005 | N001 | 1.53 - 1.53 | 53 | | FQ | # | 2 | - |
| | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 66 | | QF | # | 5 | - |
| | mg/L | 0562 | WL | 03/15/2005 | 0001 | 1.53 - 1.53 | 53 | | QF | # | 10 | - |
| | mg/L | 0562 | WL | 07/28/2005 | 0001 | 1.80 - 1.80 | 9.1 | | QF | # | 0.5 | - |
| | mg/L | 0562 | WL | 08/25/2005 | 0001 | 1.80 - 1.80 | 6.8 | | FQ | # | 0.2 | - |
| | mg/L | 0562 | WL | 09/28/2005 | 0001 | 1.80 - 1.80 | 5.7 | | QF | # | 0.2 | - |
| | mg/L | 0562 | WL | 10/13/2005 | 0001 | 1.80 - 1.80 | 4.1 | | QF | # | 0.1 | - |
| | mg/L | 0562 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 3.5 | | QF | # | 0.1 | - |
| | mg/L | 0562 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 2.6 | | QF | # | 0.1 | - |
| | mg/L | 0563 | WL | 08/20/2004 | 0001 | 3.95 - 3.95 | 110 | | F | # | 5 | - |
| | mg/L | 0563 | WL | 11/18/2004 | 0001 | 3.95 - 3.95 | 56 | | FQ | # | 2 | - |
| | mg/L | 0563 | WL | 12/16/2004 | 0001 | 3.95 - 3.95 | 81 | | FQ | # | 5 | - |
| | mg/L | 0563 | WL | 01/27/2005 | N001 | 3.95 - 3.95 | 97 | | FQ | # | 5 | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 91 | | QF | # | 5 | - |
| | mg/L | 0563 | WL | 03/15/2005 | 0001 | 3.95 - 3.95 | 110 | | QF | # | 10 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0001 | 5.10 - 5.10 | 9.2 | | QF | # | 0.5 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0002 | 5.10 - 5.10 | 36 | | QF | # | 1 | - |
| | mg/L | 0563 | WL | 08/25/2005 | 0001 | 5.10 - 5.10 | 17 | | FQ | # | 0.5 | - |
| | mg/L | 0563 | WL | 09/28/2005 | 0001 | 5.10 - 5.10 | 9.9 | | QF | # | 0.2 | - |
| | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 10.100 | | QF | # | 0.0549 | - |
| | mg/L | 0564 | WL | 12/16/2004 | 0001 | 1.32 - 1.32 | 0.8 | | FQ | # | 0.1 | - |
| | mg/L | 0564 | WL | 01/27/2005 | N001 | 1.32 - 1.32 | 0.85 | | FQ | # | 0.1 | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 0.63 | | QF | # | 0.1 | - |
| | mg/L | 0564 | WL | 03/15/2005 | 0001 | 1.32 - 1.32 | 0.62 | | QF | # | 0.1 | - |
| | mg/L | 0564 | WL | 08/26/2005 | 0001 | 1.70 - 1.70 | 1.3 | | FQ | # | 0.1 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0564 | WL | 09/28/2005 | 0001 | 1.70 - 1.70 | 0.51 | | QF | # | 0.1 | - |
| | mg/L | 0564 | WL | 10/13/2005 | 0001 | 1.70 - 1.70 | 0.16 | | QF | # | 0.1 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 0.14 | | QF | # | 0.1 | - |
| | mg/L | 0564 | WL | 12/07/2005 | 0001 | 1.70 - 1.70 | 0.18 | | QF | # | 0.1 | - |
| | mg/L | 0565 | WL | 08/20/2004 | 0001 | 4.32 - 4.32 | 53 | | F | # | 2 | - |
| | mg/L | 0565 | WL | 11/18/2004 | 0001 | 4.32 - 4.32 | 47 | | FQ | # | 2 | - |
| | mg/L | 0565 | WL | 12/16/2004 | 0001 | 4.32 - 4.32 | 39 | | FQ | # | 1 | - |
| | mg/L | 0565 | WL | 01/27/2005 | N001 | 4.32 - 4.32 | 26 | | FQ | # | 1 | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 31 | | QF | # | 2 | - |
| | mg/L | 0565 | WL | 03/15/2005 | 0001 | 4.32 - 4.32 | 28 | | QF | # | 1 | - |
| | mg/L | 0565 | WL | 08/26/2005 | 0001 | 4.50 - 4.50 | 14 | | FQ | # | 0.5 | - |
| | mg/L | 0565 | WL | 09/28/2005 | 0001 | 4.50 - 4.50 | 13 | | QF | # | 0.5 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 10.700 | | QF | # | 0.219 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 102.000 | | FQ | # | 5.49 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 38.100 | | QF | # | 0.549 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 59.600 | | FQ | # | 2.19 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 110 | | QF | # | 5 | - |
| | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 120 | | QF | # | 10 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 140 | | QF | # | 20 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 2.4 | | QF | # | 0.1 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 2 | | QF | # | 0.1 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 1.8 | | QF | # | 0.1 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 1.5 | | QF | # | 0.1 | - |
| | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 1.4 | | QF | # | 0.1 | - |
| Biochemical Oxygen Dema | mg/L | 0563 | WL | 12/15/2005 | N005 | 5.10 - 5.10 | 2.62 | | FQ | # | 0.1 | - |
| | mg/L | 0565 | WL | 12/15/2005 | N005 | 4.50 - 4.50 | 2.14 | | FQ | # | 0.1 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Dema | mg/L | 0606 | WL | 12/15/2005 | N005 | 9.80 - 9.80 | 5.6 | | QF | # | 0.1 | - |
| | mg/L | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 5.05 | | QF | # | 0.1 | - |
| Bromide | mg/L | 0562 | WL | 10/13/2005 | 0001 | 1.80 - 1.80 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0562 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0001 | 5.10 - 5.10 | 0.10 | B | FQ | # | 0.026 | - |
| | mg/L | 0564 | WL | 10/13/2005 | 0001 | 1.70 - 1.70 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0001 | 4.50 - 4.50 | 0.056 | B | FQ | # | 0.026 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0001 | 9.80 - 9.80 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 0.19 | B | FQ | # | 0.026 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.20 | B | FQ | # | 0.026 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 1 | U | QF | # | 1 | - |
| | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 2 | U | QF | # | 2 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 2 | U | QF | # | 2 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 0.2 | U | QF | # | 0.2 | - |
| Carbon Dioxide | mg/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 2.1 | J | QF | # | 0.53 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 2.1 | | FQ | # | 0.53 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 1.2 | J | QF | # | 0.53 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 5 | | FQ | # | 0.53 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | mg/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 1 | J | QF | # | 0.53 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 1.2 | | FQ | # | 0.53 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 5 | U | QF | # | 0.53 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 1.5 | | FQ | # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 22.0 | | QF | # | 9.2 | - |
| Chloride | mg/L | 0562 | WL | 12/16/2004 | 0001 | 1.53 - 1.53 | 550 | | FQ | # | 20 | - |
| | mg/L | 0562 | WL | 01/27/2005 | N001 | 1.53 - 1.53 | 300 | | FQ | # | 10 | - |
| | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 330 | | QF | # | 20 | - |
| | mg/L | 0562 | WL | 03/15/2005 | 0001 | 1.53 - 1.53 | 250 | | QF | # | 4 | - |
| | mg/L | 0562 | WL | 07/28/2005 | 0001 | 1.80 - 1.80 | 93 | | QF | # | 2 | - |
| | mg/L | 0562 | WL | 08/25/2005 | 0001 | 1.80 - 1.80 | 78 | | FQ | # | 2 | - |
| | mg/L | 0562 | WL | 09/28/2005 | 0001 | 1.80 - 1.80 | 91 | | QF | # | 2 | - |
| | mg/L | 0562 | WL | 10/13/2005 | 0001 | 1.80 - 1.80 | 97 | | QF | # | 4 | - |
| | mg/L | 0562 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 97 | | QF | # | 2 | - |
| | mg/L | 0563 | WL | 11/18/2004 | 0001 | 3.95 - 3.95 | 230 | | FQ | # | 4 | - |
| | mg/L | 0563 | WL | 12/16/2004 | 0001 | 3.95 - 3.95 | 670 | | FQ | # | 20 | - |
| | mg/L | 0563 | WL | 01/27/2005 | N001 | 3.95 - 3.95 | 770 | | FQ | # | 20 | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 460 | | QF | # | 20 | - |
| | mg/L | 0563 | WL | 03/15/2005 | 0001 | 3.95 - 3.95 | 2000 | | QF | # | 10 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0001 | 5.10 - 5.10 | 120 | | QF | # | 4 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0002 | 5.10 - 5.10 | 130 | | QF | # | 4 | - |
| | mg/L | 0563 | WL | 08/25/2005 | 0001 | 5.10 - 5.10 | 68 | | FQ | # | 2 | - |
| | mg/L | 0563 | WL | 09/28/2005 | 0001 | 5.10 - 5.10 | 110 | | QF | # | 4 | - |
| | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 114 | | QF | # | 5 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0001 | 5.10 - 5.10 | 222 | J | FQ | # | 2.5 | - |
| | mg/L | 0564 | WL | 12/16/2004 | 0001 | 1.32 - 1.32 | 130 | | FQ | # | 4 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0564 | WL | 01/27/2005 | N001 | 1.32 - 1.32 | 100 | | FQ | # | 4 | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 140 | | QF | # | 4 | - |
| | mg/L | 0564 | WL | 03/15/2005 | 0001 | 1.32 - 1.32 | 130 | | QF | # | 4 | - |
| | mg/L | 0564 | WL | 08/26/2005 | 0001 | 1.70 - 1.70 | 93 | | FQ | # | 2 | - |
| | mg/L | 0564 | WL | 10/13/2005 | 0001 | 1.70 - 1.70 | 110 | | QF | # | 4 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 110 | | QF | # | 2 | - |
| | mg/L | 0565 | WL | 11/18/2004 | 0001 | 4.32 - 4.32 | 400 | | FQ | # | 10 | - |
| | mg/L | 0565 | WL | 12/16/2004 | 0001 | 4.32 - 4.32 | 290 | | FQ | # | 10 | - |
| | mg/L | 0565 | WL | 01/27/2005 | N001 | 4.32 - 4.32 | 270 | | FQ | # | 10 | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 260 | | QF | # | 4 | - |
| | mg/L | 0565 | WL | 03/15/2005 | 0001 | 4.32 - 4.32 | 230 | | QF | # | 4 | - |
| | mg/L | 0565 | WL | 08/26/2005 | 0001 | 4.50 - 4.50 | 77 | | FQ | # | 2 | - |
| | mg/L | 0565 | WL | 09/28/2005 | 0001 | 4.50 - 4.50 | 87 | | QF | # | 2 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 99.0 | | QF | # | 5 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0001 | 4.50 - 4.50 | 118 | J | FQ | # | 1.2 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0001 | 9.80 - 9.80 | 478 | | QF | # | 5 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 499 | J | FQ | # | 2.5 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 96.4 | | QF | # | 5 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 385 | J | FQ | # | 5 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 970 | | QF | # | 20 | - |
| | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 1100 | | QF | # | 20 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 1300 | | QF | # | 20 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 96 | | QF | # | 2 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 98 | | QF | # | 2 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 100 | | QF | # | 4 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 96 | | QF | # | 2 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 110 | | QF | # | 4 | - |
| Dissolved Organic Carbon | mg/L | 0563 | WL | 10/27/2005 | N001 | 5.10 - 5.10 | 960 | | JQF | # | 43 | - |
| | mg/L | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 0.98 | B | FQ | # | 0.47 | - |
| | mg/L | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 1660 | H | JQF | # | 43 | - |
| | mg/L | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 19.0 | | FQ | # | 0.474 | - |
| Dissolved Oxygen | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 4.41 | | QF | # | - | - |
| | mg/L | 0562 | WL | 03/15/2005 | N001 | 1.53 - 1.53 | 4.78 | | QF | # | - | - |
| | mg/L | 0562 | WL | 07/28/2005 | N001 | 1.80 - 1.80 | 2.31 | | QF | # | - | - |
| | mg/L | 0562 | WL | 08/25/2005 | N001 | 1.80 - 1.80 | 3.62 | | FQ | # | - | - |
| | mg/L | 0562 | WL | 09/28/2005 | N001 | 1.80 - 1.80 | 3.98 | | QF | # | - | - |
| | mg/L | 0562 | WL | 10/13/2005 | N001 | 1.80 - 1.80 | 1.76 | | QF | # | - | - |
| | mg/L | 0562 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 7.22 | | QF | # | - | - |
| | mg/L | 0562 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 5.98 | | QF | # | - | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 2.76 | | QF | # | - | - |
| | mg/L | 0563 | WL | 03/15/2005 | N001 | 3.95 - 3.95 | 3.55 | | QF | # | - | - |
| | mg/L | 0563 | WL | 07/28/2005 | N001 | 5.10 - 5.10 | 2.27 | | QF | # | - | - |
| | mg/L | 0563 | WL | 08/25/2005 | N001 | 5.10 - 5.10 | 4.97 | | FQ | # | - | - |
| | mg/L | 0563 | WL | 09/28/2005 | N001 | 5.10 - 5.10 | 3.32 | | QF | # | - | - |
| | mg/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 5.9 | | QF | # | 0.07 | - |
| | mg/L | 0563 | WL | 10/27/2005 | N001 | 5.10 - 5.10 | 7.00 | | QF | # | - | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 4.5 | | FQ | # | 0.07 | - |
| | mg/L | 0563 | WL | 12/14/2005 | N001 | 5.10 - 5.10 | 7.92 | | FQ | # | - | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 6.21 | | QF | # | - | - |
| | mg/L | 0564 | WL | 03/15/2005 | N001 | 1.32 - 1.32 | 5.78 | | QF | # | - | - |
| | mg/L | 0564 | WL | 08/26/2005 | N001 | 1.70 - 1.70 | 0.43 | | FQ | # | - | - |
| | mg/L | 0564 | WL | 09/28/2005 | N001 | 1.70 - 1.70 | 2.60 | | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0564 | WL | 10/13/2005 | N001 | 1.70 - 1.70 | 1.89 | | QF | # | - | - |
| | mg/L | 0564 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 8.50 | | QF | # | - | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 3.31 | | QF | # | - | - |
| | mg/L | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | 2.49 | | QF | # | - | - |
| | mg/L | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | 3.45 | | FQ | # | - | - |
| | mg/L | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | 2.13 | | QF | # | - | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 4.8 | | QF | # | 0.07 | - |
| | mg/L | 0565 | WL | 10/27/2005 | N001 | 4.50 - 4.50 | 7.31 | | QF | # | - | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 7.2 | | FQ | # | 0.07 | - |
| | mg/L | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | 6.54 | | FQ | # | - | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 6.5 | | QF | # | 0.07 | - |
| | mg/L | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | 6.56 | | QF | # | - | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 6.7 | | FQ | # | 0.07 | - |
| | mg/L | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 7.30 | | FQ | # | - | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 3.2 | | QF | # | 0.07 | - |
| | mg/L | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 5.09 | | QF | # | - | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 6.9 | | FQ | # | 0.07 | - |
| | mg/L | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 7.05 | | FQ | # | - | - |
| | mg/L | 0608 | WL | 10/13/2005 | N001 | 9.40 - 9.40 | 1.45 | | QF | # | - | - |
| | mg/L | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | 5.41 | | QF | # | - | - |
| | mg/L | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 7.88 | | QF | # | - | - |
| | mg/L | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 7.14 | | QF | # | - | - |
| | mg/L | 0612 | WL | 10/13/2005 | N001 | 4.80 - 4.80 | 2.32 | | QF | # | - | - |
| | mg/L | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 8.58 | | QF | # | - | - |
| | mg/L | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 9.27 | | QF | # | - | - |
| Iron | mg/L | 0563 | WL | 10/28/2005 | 0005 | 5.10 - 5.10 | 0.12 | | QF | # | 0.03 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | mg/L | 0563 | WL | 12/15/2005 | 0005 | 5.10 - 5.10 | 0.03 | | FQ | # | 0.03 | - |
| | mg/L | 0565 | WL | 10/28/2005 | 0005 | 4.50 - 4.50 | 0.03 | U | QF | # | 0.03 | - |
| | mg/L | 0565 | WL | 12/15/2005 | 0005 | 4.50 - 4.50 | 0.03 | U | FQ | # | 0.03 | - |
| | mg/L | 0606 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.04 | | QF | # | 0.03 | - |
| | mg/L | 0606 | WL | 12/15/2005 | 0005 | 9.80 - 9.80 | 0.03 | U | QF | # | 0.03 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.0074 | U | QF | # | 0.0074 | - |
| | mg/L | 0607 | WL | 10/28/2005 | 0005 | 10.10 - 10.10 | 0.06 | | QF | # | 0.03 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.0331 | B | UFQ | # | 0.0074 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.03 | | QF | # | 0.03 | - |
| Iron (II) | mg/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 1 | U | QF | # | 0.1 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 2.5 | J | JFQ | # | 0.1 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 0.6 | J | QF | # | 0.1 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 1.1 | J | JFQ | # | 0.1 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 0.4 | J | QF | # | 0.1 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 1 | U | FQ | # | 0.1 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 1 | U | QF | # | 0.1 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 1 | J | FQ | # | 0.1 | - |
| Manganese | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.0043 | B | UQF | # | 0.001 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.0275 | | FQ | # | 0.001 | - |
| Manganese (II) | mg/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 0.5 | J | QF | # | - | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 1 | U | FQ | # | - | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 0.2 | J | QF | # | - | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 0.4 | J | FQ | # | - | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 0.2 | J | QF | # | - | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 1 | J | FQ | # | - | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 1 | U | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (II) | mg/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 0.2 | | FQ | # | - | - |
| Methane | ug/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 310 | | QF | # | 0.011 | - |
| | ug/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 99 | | FQ | # | 0.011 | - |
| | ug/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 79 | | QF | # | 0.011 | - |
| | ug/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 82 | | FQ | # | 0.011 | - |
| | ug/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 17 | | QF | # | 0.011 | - |
| | ug/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 22 | UM | FQ | # | 0.011 | - |
| | ug/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 6.1 | | QF | # | 0.011 | - |
| | ug/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 8.8 | UM | FQ | # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 0.0027 | U | QF | # | 0.0027 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0001 | 5.10 - 5.10 | 0.118 | | JFQ | # | 0.0027 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 0.0027 | U | QF | # | 0.0027 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0001 | 4.50 - 4.50 | 0.0027 | U | JFQ | # | 0.0027 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0001 | 9.80 - 9.80 | 0.831 | | QF | # | 0.0027 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 2.380 | | JFQ | # | 0.0108 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.0027 | U | QF | # | 0.0027 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.0027 | U | JFQ | # | 0.0027 | - |
| Nitrifying Bacteria | cfu/mL | 0563 | WL | 10/28/2005 | N005 | 5.10 - 5.10 | 1000 | U | QF | # | 1000 | - |
| | cfu/mL | 0563 | WL | 12/15/2005 | N005 | 5.10 - 5.10 | 1000 | U | FQ | # | 1000 | - |
| | cfu/mL | 0565 | WL | 10/28/2005 | N005 | 4.50 - 4.50 | 1000 | U | QF | # | 1000 | - |
| | cfu/mL | 0565 | WL | 12/15/2005 | N005 | 4.50 - 4.50 | 1000 | U | FQ | # | 1000 | - |
| | cfu/mL | 0606 | WL | 10/28/2005 | N005 | 9.80 - 9.80 | 1000 | | QF | # | 1000 | - |
| | cfu/mL | 0606 | WL | 12/15/2005 | N005 | 9.80 - 9.80 | 1000 | U | QF | # | 1000 | - |
| | cfu/mL | 0607 | WL | 10/28/2005 | N005 | 10.10 - 10.10 | 1000 | U | QF | # | 1000 | - |
| | cfu/mL | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 1000 | U | QF | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite as Nitrogen | mg/L | 0563 | WL | 10/28/2005 | 0005 | 5.10 - 5.10 | 0.011 | | QF | # | 0.005 | - |
| | mg/L | 0563 | WL | 12/15/2005 | 0005 | 5.10 - 5.10 | 0.04 | | FQ | # | 0.005 | - |
| | mg/L | 0565 | WL | 10/28/2005 | 0005 | 4.50 - 4.50 | 0.005 | U | QF | # | 0.005 | - |
| | mg/L | 0565 | WL | 12/15/2005 | 0005 | 4.50 - 4.50 | 0.005 | U | FQ | # | 0.005 | - |
| | mg/L | 0606 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.5 | | QF | # | 0.005 | - |
| | mg/L | 0606 | WL | 12/15/2005 | 0005 | 9.80 - 9.80 | 0.2 | | QF | # | 0.005 | - |
| | mg/L | 0607 | WL | 10/28/2005 | 0005 | 10.10 - 10.10 | 0.005 | U | QF | # | 0.005 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.005 | U | QF | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0563 | WL | 10/27/2005 | 0002 | 5.10 - 5.10 | 24 | | QF | # | 0.06 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0002 | 5.10 - 5.10 | 25 | | FQ | # | 0.06 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0002 | 4.50 - 4.50 | 22 | | QF | # | 0.06 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0002 | 4.50 - 4.50 | 28 | | FQ | # | 0.06 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0002 | 9.80 - 9.80 | 19 | | QF | # | 0.06 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0002 | 9.80 - 9.80 | 21 | | FQ | # | 0.06 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0002 | 10.10 - 10.10 | 17 | | QF | # | 0.06 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0002 | 10.10 - 10.10 | 29 | | FQ | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0563 | WL | 10/28/2005 | 0005 | 5.10 - 5.10 | 0.3 | U | QF | # | 0.3 | - |
| | mg/L | 0563 | WL | 12/15/2005 | 0005 | 5.10 - 5.10 | 1.3 | | FQ | # | 0.3 | - |
| | mg/L | 0565 | WL | 10/28/2005 | 0005 | 4.50 - 4.50 | 0.5 | | QF | # | 0.3 | - |
| | mg/L | 0565 | WL | 12/15/2005 | 0005 | 4.50 - 4.50 | 1.3 | | FQ | # | 0.3 | - |
| | mg/L | 0606 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.6 | | QF | # | 0.3 | - |
| | mg/L | 0606 | WL | 12/15/2005 | 0005 | 9.80 - 9.80 | 1.6 | | QF | # | 0.3 | - |
| | mg/L | 0607 | WL | 10/28/2005 | 0005 | 10.10 - 10.10 | 0.5 | | QF | # | 0.3 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.3 | U | QF | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0562 | WL | 11/18/2004 | N001 | 1.53 - 1.53 | 187 | | | # | - | - |
| | mV | 0562 | WL | 12/15/2004 | N001 | 1.53 - 1.53 | 166 | | FQ | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0562 | WL | 01/26/2005 | N001 | 1.53 - 1.53 | 10.9 | | FQ | # | - | - |
| | mV | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 128 | | QF | # | - | - |
| | mV | 0562 | WL | 03/15/2005 | N001 | 1.53 - 1.53 | -2.5 | | QF | # | - | - |
| | mV | 0562 | WL | 07/28/2005 | N001 | 1.80 - 1.80 | -374 | | QF | # | - | - |
| | mV | 0562 | WL | 08/25/2005 | N001 | 1.80 - 1.80 | -110 | | FQ | # | - | - |
| | mV | 0562 | WL | 09/28/2005 | N001 | 1.80 - 1.80 | -201.6 | | QF | # | - | - |
| | mV | 0562 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | -132 | | QF | # | - | - |
| | mV | 0562 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | -100 | | QF | # | - | - |
| | mV | 0563 | WL | 08/20/2004 | N001 | 3.95 - 3.95 | 11.1 | | F | # | - | - |
| | mV | 0563 | WL | 11/18/2004 | N001 | 3.95 - 3.95 | 96 | | FQ | # | - | - |
| | mV | 0563 | WL | 12/15/2004 | N001 | 3.95 - 3.95 | 132 | | FQ | # | - | - |
| | mV | 0563 | WL | 01/26/2005 | N001 | 3.95 - 3.95 | -0.2 | | FQ | # | - | - |
| | mV | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 124 | | QF | # | - | - |
| | mV | 0563 | WL | 03/15/2005 | N001 | 3.95 - 3.95 | -220 | | QF | # | - | - |
| | mV | 0563 | WL | 07/28/2005 | N001 | 5.10 - 5.10 | -354 | | QF | # | - | - |
| | mV | 0563 | WL | 08/25/2005 | N001 | 5.10 - 5.10 | -241 | | FQ | # | - | - |
| | mV | 0563 | WL | 09/28/2005 | N001 | 5.10 - 5.10 | -165 | | QF | # | - | - |
| | mV | 0563 | WL | 10/27/2005 | N001 | 5.10 - 5.10 | -263.9 | | QF | # | - | - |
| | mV | 0563 | WL | 12/14/2005 | N001 | 5.10 - 5.10 | -27.8 | | FQ | # | - | - |
| | mV | 0564 | WL | 11/18/2004 | N001 | 1.32 - 1.32 | 90 | | FQ | # | - | - |
| | mV | 0564 | WL | 12/15/2004 | N001 | 1.32 - 1.32 | 151 | | FQ | # | - | - |
| | mV | 0564 | WL | 01/26/2005 | N001 | 1.32 - 1.32 | 0.8 | | FQ | # | - | - |
| | mV | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 118 | | QF | # | - | - |
| | mV | 0564 | WL | 03/15/2005 | N001 | 1.32 - 1.32 | -74 | | QF | # | - | - |
| | mV | 0564 | WL | 08/26/2005 | N001 | 1.70 - 1.70 | -376 | | FQ | # | - | - |
| | mV | 0564 | WL | 09/28/2005 | N001 | 1.70 - 1.70 | -159 | | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0564 | WL | 10/13/2005 | N001 | 1.70 - 1.70 | 29 | | QF | # | - | - |
| | mV | 0564 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | -14 | | QF | # | - | - |
| | mV | 0564 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | -17 | | QF | # | - | - |
| | mV | 0565 | WL | 08/20/2004 | N001 | 4.32 - 4.32 | -239 | | F | # | - | - |
| | mV | 0565 | WL | 11/18/2004 | N001 | 4.32 - 4.32 | 84 | | FQ | # | - | - |
| | mV | 0565 | WL | 12/15/2004 | N001 | 4.32 - 4.32 | 135 | | FQ | # | - | - |
| | mV | 0565 | WL | 01/26/2005 | N001 | 4.32 - 4.32 | 6.6 | | FQ | # | - | - |
| | mV | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 117 | | QF | # | - | - |
| | mV | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | -259 | | QF | # | - | - |
| | mV | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | -290 | | FQ | # | - | - |
| | mV | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | -214 | | QF | # | - | - |
| | mV | 0565 | WL | 10/27/2005 | N001 | 4.50 - 4.50 | 54.6 | | QF | # | - | - |
| | mV | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | -86.0 | | FQ | # | - | - |
| | mV | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | -297.5 | | QF | # | - | - |
| | mV | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | -10.4 | | FQ | # | - | - |
| | mV | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | -382.1 | | QF | # | - | - |
| | mV | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | -36.4 | | FQ | # | - | - |
| | mV | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | -20.0 | | QF | # | - | - |
| | mV | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | -86.0 | | QF | # | - | - |
| | mV | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | -94 | | QF | # | - | - |
| | mV | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | -57.0 | | QF | # | - | - |
| | mV | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | -98 | | QF | # | - | - |
| pH | s.u. | 0562 | WL | 11/18/2004 | N001 | 1.53 - 1.53 | 7.62 | | | # | - | - |
| | s.u. | 0562 | WL | 12/15/2004 | N001 | 1.53 - 1.53 | 6.32 | | FQ | # | - | - |
| | s.u. | 0562 | WL | 01/26/2005 | N001 | 1.53 - 1.53 | 8.74 | | FQ | # | - | - |
| | s.u. | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 9.04 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0562 | WL | 03/15/2005 | N001 | 1.53 -1.53 | 8.97 | QF | # | - | - |
| | s.u. | 0562 | WL | 07/28/2005 | N001 | 1.80 -1.80 | 8.21 | QF | # | - | - |
| | s.u. | 0562 | WL | 08/25/2005 | N001 | 1.80 -1.80 | 7.94 | FQ | # | - | - |
| | s.u. | 0562 | WL | 09/28/2005 | N001 | 1.80 -1.80 | 8.94 | QF | # | - | - |
| | s.u. | 0562 | WL | 10/13/2005 | N001 | 1.80 -1.80 | 9.11 | QF | # | - | - |
| | s.u. | 0562 | WL | 11/09/2005 | N001 | 1.80 -1.80 | 9.01 | QF | # | - | - |
| | s.u. | 0562 | WL | 12/07/2005 | N001 | 1.80 -1.80 | 9.19 | QF | # | - | - |
| | s.u. | 0563 | WL | 08/20/2004 | N001 | 3.95 -3.95 | 8.57 | F | # | - | - |
| | s.u. | 0563 | WL | 11/18/2004 | N001 | 3.95 -3.95 | 9.01 | FQ | # | - | - |
| | s.u. | 0563 | WL | 12/15/2004 | N001 | 3.95 -3.95 | 8.07 | FQ | # | - | - |
| | s.u. | 0563 | WL | 01/26/2005 | N001 | 3.95 -3.95 | 8.21 | FQ | # | - | - |
| | s.u. | 0563 | WL | 02/23/2005 | N001 | 3.95 -3.95 | 8.76 | QF | # | - | - |
| | s.u. | 0563 | WL | 03/15/2005 | N001 | 3.95 -3.95 | 8.67 | QF | # | - | - |
| | s.u. | 0563 | WL | 07/28/2005 | N001 | 5.10 -5.10 | 8.15 | QF | # | - | - |
| | s.u. | 0563 | WL | 08/25/2005 | N001 | 5.10 -5.10 | 9.25 | FQ | # | - | - |
| | s.u. | 0563 | WL | 09/28/2005 | N001 | 5.10 -5.10 | 8.74 | QF | # | - | - |
| | s.u. | 0563 | WL | 10/27/2005 | N001 | 5.10 -5.10 | 9.10 | QF | # | - | - |
| | s.u. | 0563 | WL | 12/14/2005 | N001 | 5.10 -5.10 | 9.52 | FQ | # | - | - |
| | s.u. | 0564 | WL | 11/18/2004 | N001 | 1.32 -1.32 | 8.32 | FQ | # | - | - |
| | s.u. | 0564 | WL | 12/15/2004 | N001 | 1.32 -1.32 | 7.81 | FQ | # | - | - |
| | s.u. | 0564 | WL | 01/26/2005 | N001 | 1.32 -1.32 | 7.32 | FQ | # | - | - |
| | s.u. | 0564 | WL | 02/23/2005 | N001 | 1.32 -1.32 | 7.55 | QF | # | - | - |
| | s.u. | 0564 | WL | 03/15/2005 | N001 | 1.32 -1.32 | 7.62 | QF | # | - | - |
| | s.u. | 0564 | WL | 08/26/2005 | N001 | 1.70 -1.70 | 7.80 | FQ | # | - | - |
| | s.u. | 0564 | WL | 09/28/2005 | N001 | 1.70 -1.70 | 9.25 | QF | # | - | - |
| | s.u. | 0564 | WL | 10/13/2005 | N001 | 1.70 -1.70 | 8.66 | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0564 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 8.99 | | QF | # | - | - |
| | s.u. | 0564 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 8.47 | | QF | # | - | - |
| | s.u. | 0565 | WL | 08/20/2004 | N001 | 4.32 - 4.32 | 9.08 | | F | # | - | - |
| | s.u. | 0565 | WL | 11/18/2004 | N001 | 4.32 - 4.32 | 8.84 | | FQ | # | - | - |
| | s.u. | 0565 | WL | 12/15/2004 | N001 | 4.32 - 4.32 | 8.97 | | FQ | # | - | - |
| | s.u. | 0565 | WL | 01/26/2005 | N001 | 4.32 - 4.32 | 8.76 | | FQ | # | - | - |
| | s.u. | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 8.94 | | QF | # | - | - |
| | s.u. | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | 8.52 | | QF | # | - | - |
| | s.u. | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | 8.49 | | FQ | # | - | - |
| | s.u. | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | 9.41 | | QF | # | - | - |
| | s.u. | 0565 | WL | 10/27/2005 | N001 | 4.50 - 4.50 | 9.22 | | QF | # | - | - |
| | s.u. | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | 9.35 | | FQ | # | - | - |
| | s.u. | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | 9.33 | | QF | # | - | - |
| | s.u. | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 9.57 | | FQ | # | - | - |
| | s.u. | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 9.65 | | QF | # | - | - |
| | s.u. | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 9.71 | | FQ | # | - | - |
| | s.u. | 0608 | WL | 10/13/2005 | N001 | 9.40 - 9.40 | 9.06 | | QF | # | - | - |
| | s.u. | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | 9.18 | | QF | # | - | - |
| | s.u. | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 9.56 | | QF | # | - | - |
| | s.u. | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 10.66 | | QF | # | - | - |
| | s.u. | 0612 | WL | 10/13/2005 | N001 | 4.80 - 4.80 | 8.03 | | QF | # | - | - |
| | s.u. | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 8.17 | | QF | # | - | - |
| | s.u. | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 8.32 | | QF | # | - | - |
| Phosphorus | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 0.119 | | JQF | # | 0.0101 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 0.104 | | JQF | # | 0.0101 | - |
| Selenium | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.0050 | B | UQF | # | 0.00057 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 -10.10 | 0.0016 | B | FQ | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0562 | WL | 11/18/2004 | N001 | 1.53 -1.53 | 1760 | | | # | - | - |
| | umhos/cm | 0562 | WL | 12/15/2004 | N001 | 1.53 -1.53 | 2769 | | FQ | # | - | - |
| | umhos/cm | 0562 | WL | 01/26/2005 | N001 | 1.53 -1.53 | 4622 | | FQ | # | - | - |
| | umhos/cm | 0562 | WL | 02/23/2005 | N001 | 1.53 -1.53 | 2333 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 03/15/2005 | N001 | 1.53 -1.53 | 3295 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 07/28/2005 | N001 | 1.80 -1.80 | 1105 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 08/25/2005 | N001 | 1.80 -1.80 | 6493 | | FQ | # | - | - |
| | umhos/cm | 0562 | WL | 09/28/2005 | N001 | 1.80 -1.80 | 1473 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 10/13/2005 | N001 | 1.80 -1.80 | 1035 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 11/09/2005 | N001 | 1.80 -1.80 | 846 | | QF | # | - | - |
| | umhos/cm | 0562 | WL | 12/07/2005 | N001 | 1.80 -1.80 | 857 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 08/20/2004 | N001 | 3.95 -3.95 | 3927 | | F | # | - | - |
| | umhos/cm | 0563 | WL | 11/18/2004 | N001 | 3.95 -3.95 | 3270 | | FQ | # | - | - |
| | umhos/cm | 0563 | WL | 12/15/2004 | N001 | 3.95 -3.95 | 2436 | | FQ | # | - | - |
| | umhos/cm | 0563 | WL | 01/26/2005 | N001 | 3.95 -3.95 | 6264 | | FQ | # | - | - |
| | umhos/cm | 0563 | WL | 02/23/2005 | N001 | 3.95 -3.95 | 5055 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 03/15/2005 | N001 | 3.95 -3.95 | 4770 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 07/28/2005 | N001 | 5.10 -5.10 | 4578 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 08/25/2005 | N001 | 5.10 -5.10 | 814 | | FQ | # | - | - |
| | umhos/cm | 0563 | WL | 09/28/2005 | N001 | 5.10 -5.10 | 1249 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 10/27/2005 | N001 | 5.10 -5.10 | 1113 | | QF | # | - | - |
| | umhos/cm | 0563 | WL | 12/14/2005 | N001 | 5.10 -5.10 | 943 | | FQ | # | - | - |
| | umhos/cm | 0564 | WL | 11/18/2004 | N001 | 1.32 -1.32 | 910 | | FQ | # | - | - |
| | umhos/cm | 0564 | WL | 12/15/2004 | N001 | 1.32 -1.32 | 1036 | | FQ | # | - | - |
| | umhos/cm | 0564 | WL | 01/26/2005 | N001 | 1.32 -1.32 | 1595 | | FQ | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 1070 | | QF | # | - | - |
| | umhos/cm | 0564 | WL | 03/15/2005 | N001 | 1.32 - 1.32 | 1155 | | QF | # | - | - |
| | umhos/cm | 0564 | WL | 08/26/2005 | N001 | 1.70 - 1.70 | 1065 | | FQ | # | - | - |
| | umhos/cm | 0564 | WL | 09/28/2005 | N001 | 1.70 - 1.70 | 860 | | QF | # | - | - |
| | umhos/cm | 0564 | WL | 10/13/2005 | N001 | 1.70 - 1.70 | 995 | | QF | # | - | - |
| | umhos/cm | 0564 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 812 | | QF | # | - | - |
| | umhos/cm | 0564 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 841 | | QF | # | - | - |
| | umhos/cm | 0565 | WL | 08/20/2004 | N001 | 4.32 - 4.32 | 3930 | | F | # | - | - |
| | umhos/cm | 0565 | WL | 11/18/2004 | N001 | 4.32 - 4.32 | 3945 | | FQ | # | - | - |
| | umhos/cm | 0565 | WL | 12/15/2004 | N001 | 4.32 - 4.32 | 3044 | | FQ | # | - | - |
| | umhos/cm | 0565 | WL | 01/26/2005 | N001 | 4.32 - 4.32 | 2630 | | FQ | # | - | - |
| | umhos/cm | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 1810 | | QF | # | - | - |
| | umhos/cm | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | 2191 | | QF | # | - | - |
| | umhos/cm | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | 1038 | | FQ | # | - | - |
| | umhos/cm | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | 855 | | QF | # | - | - |
| | umhos/cm | 0565 | WL | 10/27/2005 | N001 | 4.50 - 4.50 | 1038 | | QF | # | - | - |
| | umhos/cm | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | 995 | | FQ | # | - | - |
| | umhos/cm | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | 3273 | | QF | # | - | - |
| | umhos/cm | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 3292 | | FQ | # | - | - |
| | umhos/cm | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 1744 | | QF | # | - | - |
| | umhos/cm | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 1359 | | FQ | # | - | - |
| | umhos/cm | 0608 | WL | 10/13/2005 | N001 | 9.40 - 9.40 | 4750 | | QF | # | - | - |
| | umhos/cm | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | 4673 | | QF | # | - | - |
| | umhos/cm | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 1026 | | QF | # | - | - |
| | umhos/cm | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 822 | | QF | # | - | - |
| | umhos/cm | 0612 | WL | 10/13/2005 | N001 | 4.80 - 4.80 | 1220 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 1100 | | QF | # | - | - |
| | umhos/cm | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 1131 | | QF | # | - | - |
| Sulfate | mg/L | 0562 | WL | 12/16/2004 | 0001 | 1.53 - 1.53 | 2300 | | FQ | # | 50 | - |
| | mg/L | 0562 | WL | 01/27/2005 | N001 | 1.53 - 1.53 | 1100 | | FQ | # | 25 | - |
| | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 1100 | | QF | # | 50 | - |
| | mg/L | 0562 | WL | 03/15/2005 | 0001 | 1.53 - 1.53 | 930 | | QF | # | 10 | - |
| | mg/L | 0562 | WL | 07/28/2005 | 0001 | 1.80 - 1.80 | 230 | | QF | # | 5 | - |
| | mg/L | 0562 | WL | 08/25/2005 | 0001 | 1.80 - 1.80 | 240 | | FQ | # | 5 | - |
| | mg/L | 0562 | WL | 09/28/2005 | 0001 | 1.80 - 1.80 | 330 | | QF | # | 5 | - |
| | mg/L | 0562 | WL | 10/13/2005 | 0001 | 1.80 - 1.80 | 300 | | QF | # | 10 | - |
| | mg/L | 0562 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 270 | | QF | # | 5 | - |
| | mg/L | 0563 | WL | 11/18/2004 | 0001 | 3.95 - 3.95 | 450 | | FQ | # | 10 | - |
| | mg/L | 0563 | WL | 12/16/2004 | 0001 | 3.95 - 3.95 | 2800 | | FQ | # | 50 | - |
| | mg/L | 0563 | WL | 01/27/2005 | N001 | 3.95 - 3.95 | 1700 | | FQ | # | 50 | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 1400 | | QF | # | 50 | - |
| | mg/L | 0563 | WL | 03/15/2005 | 0001 | 3.95 - 3.95 | 4700 | | QF | # | 25 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0001 | 5.10 - 5.10 | 360 | | QF | # | 10 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0002 | 5.10 - 5.10 | 370 | | QF | # | 10 | - |
| | mg/L | 0563 | WL | 08/25/2005 | 0001 | 5.10 - 5.10 | 160 | | FQ | # | 5 | - |
| | mg/L | 0563 | WL | 09/28/2005 | 0001 | 5.10 - 5.10 | 320 | | QF | # | 10 | - |
| | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 289 | | QF | # | 12.2 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0001 | 5.10 - 5.10 | 392 | | FQ | # | 6.1 | - |
| | mg/L | 0564 | WL | 12/16/2004 | 0001 | 1.32 - 1.32 | 310 | | FQ | # | 10 | - |
| | mg/L | 0564 | WL | 01/27/2005 | N001 | 1.32 - 1.32 | 290 | | FQ | # | 10 | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 300 | | QF | # | 10 | - |
| | mg/L | 0564 | WL | 03/15/2005 | 0001 | 1.32 - 1.32 | 230 | | QF | # | 10 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0564 | WL | 08/26/2005 | 0001 | 1.70 - 1.70 | 290 | | FQ | # | 5 | - |
| | mg/L | 0564 | WL | 10/13/2005 | 0001 | 1.70 - 1.70 | 330 | | QF | # | 10 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 270 | | QF | # | 5 | - |
| | mg/L | 0565 | WL | 11/18/2004 | 0001 | 4.32 - 4.32 | 670 | | FQ | # | 25 | - |
| | mg/L | 0565 | WL | 12/16/2004 | 0001 | 4.32 - 4.32 | 510 | | FQ | # | 25 | - |
| | mg/L | 0565 | WL | 01/27/2005 | N001 | 4.32 - 4.32 | 470 | | FQ | # | 25 | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 480 | | QF | # | 10 | - |
| | mg/L | 0565 | WL | 03/15/2005 | 0001 | 4.32 - 4.32 | 460 | | QF | # | 10 | - |
| | mg/L | 0565 | WL | 08/26/2005 | 0001 | 4.50 - 4.50 | 260 | | FQ | # | 5 | - |
| | mg/L | 0565 | WL | 09/28/2005 | 0001 | 4.50 - 4.50 | 290 | | QF | # | 5 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 262 | | QF | # | 12.2 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0001 | 4.50 - 4.50 | 298 | | FQ | # | 3.1 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0001 | 9.80 - 9.80 | 717 | | QF | # | 12.2 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 837 | | FQ | # | 6.1 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 214 | | QF | # | 12.2 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 517 | | FQ | # | 3.1 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 850 | | QF | # | 50 | - |
| | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 1100 | | QF | # | 50 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 1500 | | QF | # | 50 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 300 | | QF | # | 5 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 260 | | QF | # | 5 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 350 | | QF | # | 10 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 290 | | QF | # | 5 | - |
| | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 260 | | QF | # | 10 | - |
| Sulfide | mg/L | 0563 | WL | 10/28/2005 | 0005 | 5.10 - 5.10 | 0.01 | | QF | # | 0.01 | - |
| | mg/L | 0563 | WL | 12/15/2005 | 0005 | 5.10 - 5.10 | 0.01 | U | FQ | # | 0.01 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | mg/L | 0565 | WL | 10/28/2005 | 0005 | 4.50 - 4.50 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0565 | WL | 12/15/2005 | 0005 | 4.50 - 4.50 | 0.01 | U | FQ # | 0.01 | - |
| | mg/L | 0606 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.01 | | QF # | 0.01 | - |
| | mg/L | 0606 | WL | 12/15/2005 | 0005 | 9.80 - 9.80 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0607 | WL | 10/28/2005 | 0005 | 10.10 - 10.10 | 0.02 | | QF # | 0.01 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.02 | | QF # | 0.01 | - |
| Temperature | C | 0562 | WL | 11/18/2004 | N001 | 1.53 - 1.53 | 14.42 | | # | - | - |
| | C | 0562 | WL | 12/15/2004 | N001 | 1.53 - 1.53 | 11.1 | | FQ # | - | - |
| | C | 0562 | WL | 01/26/2005 | N001 | 1.53 - 1.53 | 6.97 | | FQ # | - | - |
| | C | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 12.02 | | QF # | - | - |
| | C | 0562 | WL | 03/15/2005 | N001 | 1.53 - 1.53 | 9.59 | | QF # | - | - |
| | C | 0562 | WL | 07/28/2005 | N001 | 1.80 - 1.80 | 25.85 | | QF # | - | - |
| | C | 0562 | WL | 08/25/2005 | N001 | 1.80 - 1.80 | 26.99 | | FQ # | - | - |
| | C | 0562 | WL | 09/28/2005 | N001 | 1.80 - 1.80 | 21.14 | | QF # | - | - |
| | C | 0562 | WL | 10/13/2005 | N001 | 1.80 - 1.80 | 12.9 | | QF # | - | - |
| | C | 0562 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 12.1 | | QF # | - | - |
| | C | 0562 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 3.4 | | QF # | - | - |
| | C | 0563 | WL | 08/20/2004 | N001 | 3.95 - 3.95 | 25.61 | | F # | - | - |
| | C | 0563 | WL | 11/18/2004 | N001 | 3.95 - 3.95 | 11.32 | | FQ # | - | - |
| | C | 0563 | WL | 12/15/2004 | N001 | 3.95 - 3.95 | 7.27 | | FQ # | - | - |
| | C | 0563 | WL | 01/26/2005 | N001 | 3.95 - 3.95 | 6.04 | | FQ # | - | - |
| | C | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 9.02 | | QF # | - | - |
| | C | 0563 | WL | 03/15/2005 | N001 | 3.95 - 3.95 | 9.51 | | QF # | - | - |
| | C | 0563 | WL | 07/28/2005 | N001 | 5.10 - 5.10 | 22.30 | | QF # | - | - |
| | C | 0563 | WL | 08/25/2005 | N001 | 5.10 - 5.10 | 25.29 | | FQ # | - | - |
| | C | 0563 | WL | 09/28/2005 | N001 | 5.10 - 5.10 | 19.49 | | QF # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0563 | WL | 10/27/2005 | N001 | 5.10 - 5.10 | 14.85 | | QF # | - | - |
| | C | 0563 | WL | 12/14/2005 | N001 | 5.10 - 5.10 | 4.56 | | FQ # | - | - |
| | C | 0564 | WL | 11/18/2004 | N001 | 1.32 - 1.32 | 10.76 | | FQ # | - | - |
| | C | 0564 | WL | 12/15/2004 | N001 | 1.32 - 1.32 | 7.93 | | FQ # | - | - |
| | C | 0564 | WL | 01/26/2005 | N001 | 1.32 - 1.32 | 7.10 | | FQ # | - | - |
| | C | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 10.01 | | QF # | - | - |
| | C | 0564 | WL | 03/15/2005 | N001 | 1.32 - 1.32 | 8.25 | | QF # | - | - |
| | C | 0564 | WL | 08/26/2005 | N001 | 1.70 - 1.70 | 26.39 | | FQ # | - | - |
| | C | 0564 | WL | 09/28/2005 | N001 | 1.70 - 1.70 | 22.26 | | QF # | - | - |
| | C | 0564 | WL | 10/13/2005 | N001 | 1.70 - 1.70 | 13.1 | | QF # | - | - |
| | C | 0564 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 11.6 | | QF # | - | - |
| | C | 0564 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 3.8 | | QF # | - | - |
| | C | 0565 | WL | 08/20/2004 | N001 | 4.32 - 4.32 | 23.91 | | F # | - | - |
| | C | 0565 | WL | 11/18/2004 | N001 | 4.32 - 4.32 | 10.57 | | FQ # | - | - |
| | C | 0565 | WL | 12/15/2004 | N001 | 4.32 - 4.32 | 5.74 | | FQ # | - | - |
| | C | 0565 | WL | 01/26/2005 | N001 | 4.32 - 4.32 | 6.69 | | FQ # | - | - |
| | C | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 8.37 | | QF # | - | - |
| | C | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | 8.35 | | QF # | - | - |
| | C | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | 23.27 | | FQ # | - | - |
| | C | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | 19.14 | | QF # | - | - |
| | C | 0565 | WL | 10/27/2005 | N001 | 4.50 - 4.50 | 14.46 | | QF # | - | - |
| | C | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | 4.53 | | FQ # | - | - |
| | C | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | 15.54 | | QF # | - | - |
| | C | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 7.75 | | FQ # | - | - |
| | C | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 15.64 | | QF # | - | - |
| | C | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 7.44 | | FQ # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0608 | WL | 10/13/2005 | N001 | 9.40 - 9.40 | 16.5 | | QF | # | - | - |
| | C | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | 13.8 | | QF | # | - | - |
| | C | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 11.9 | | QF | # | - | - |
| | C | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 4.0 | | QF | # | - | - |
| | C | 0612 | WL | 10/13/2005 | N001 | 4.80 - 4.80 | 14.8 | | QF | # | - | - |
| | C | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 12.1 | | QF | # | - | - |
| | C | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 5.3 | | QF | # | - | - |
| Total Dissolved Solids | mg/L | 0562 | WL | 12/16/2004 | 0001 | 1.53 - 1.53 | 4300 | | FQ | # | 80 | - |
| | mg/L | 0562 | WL | 01/27/2005 | N001 | 1.53 - 1.53 | 2000 | | FQ | # | 80 | - |
| | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 2200 | | QF | # | 80 | - |
| | mg/L | 0562 | WL | 03/15/2005 | 0001 | 1.53 - 1.53 | 1800 | | QF | # | 80 | - |
| | mg/L | 0562 | WL | 07/28/2005 | 0001 | 1.80 - 1.80 | 750 | | QF | # | 40 | - |
| | mg/L | 0562 | WL | 08/25/2005 | 0001 | 1.80 - 1.80 | 540 | | FQ | # | 80 | - |
| | mg/L | 0562 | WL | 09/28/2005 | 0001 | 1.80 - 1.80 | 710 | | QF | # | 40 | - |
| | mg/L | 0562 | WL | 10/13/2005 | 0001 | 1.80 - 1.80 | 680 | | QF | # | 40 | - |
| | mg/L | 0562 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 440 | | QF | # | 80 | - |
| | mg/L | 0562 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 410 | | QF | # | 80 | - |
| | mg/L | 0563 | WL | 11/18/2004 | 0001 | 3.95 - 3.95 | 1100 | | FQ | # | 50 | - |
| | mg/L | 0563 | WL | 12/16/2004 | 0001 | 3.95 - 3.95 | 5500 | | FQ | # | 200 | - |
| | mg/L | 0563 | WL | 01/27/2005 | N001 | 3.95 - 3.95 | 3600 | | FQ | # | 80 | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 2900 | | QF | # | 80 | - |
| | mg/L | 0563 | WL | 03/15/2005 | 0001 | 3.95 - 3.95 | 4300 | | QF | # | 200 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0001 | 5.10 - 5.10 | 950 | | QF | # | 40 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0002 | 5.10 - 5.10 | 960 | | QF | # | 80 | - |
| | mg/L | 0563 | WL | 08/25/2005 | 0001 | 5.10 - 5.10 | 420 | | FQ | # | 80 | - |
| | mg/L | 0563 | WL | 09/28/2005 | 0001 | 5.10 - 5.10 | 780 | | QF | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 738 | | QF | # | 3.6 | - |
| | mg/L | 0563 | WL | 12/14/2005 | 0001 | 5.10 - 5.10 | 985 | J | FQ | # | 3.6 | - |
| | mg/L | 0564 | WL | 11/18/2004 | 0001 | 1.32 - 1.32 | 540 | | FQ | # | 250 | - |
| | mg/L | 0564 | WL | 12/16/2004 | 0001 | 1.32 - 1.32 | 800 | | FQ | # | 80 | - |
| | mg/L | 0564 | WL | 01/27/2005 | N001 | 1.32 - 1.32 | 650 | | FQ | # | 40 | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 830 | | QF | # | 40 | - |
| | mg/L | 0564 | WL | 03/15/2005 | 0001 | 1.32 - 1.32 | 740 | | QF | # | 80 | - |
| | mg/L | 0564 | WL | 08/26/2005 | 0001 | 1.70 - 1.70 | 680 | | FQ | # | 80 | - |
| | mg/L | 0564 | WL | 09/28/2005 | 0001 | 1.70 - 1.70 | 620 | | QF | # | 40 | - |
| | mg/L | 0564 | WL | 10/13/2005 | 0001 | 1.70 - 1.70 | 760 | | QF | # | 40 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 700 | | QF | # | 80 | - |
| | mg/L | 0564 | WL | 12/07/2005 | 0001 | 1.70 - 1.70 | 690 | | QF | # | 130 | - |
| | mg/L | 0565 | WL | 11/18/2004 | 0001 | 4.32 - 4.32 | 2000 | | FQ | # | 80 | - |
| | mg/L | 0565 | WL | 12/16/2004 | 0001 | 4.32 - 4.32 | 1400 | | FQ | # | 40 | - |
| | mg/L | 0565 | WL | 01/27/2005 | N001 | 4.32 - 4.32 | 1800 | | FQ | # | 40 | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 1200 | | QF | # | 40 | - |
| | mg/L | 0565 | WL | 03/15/2005 | 0001 | 4.32 - 4.32 | 1200 | | QF | # | 80 | - |
| | mg/L | 0565 | WL | 08/26/2005 | 0001 | 4.50 - 4.50 | 560 | | FQ | # | 80 | - |
| | mg/L | 0565 | WL | 09/28/2005 | 0001 | 4.50 - 4.50 | 690 | | QF | # | 40 | - |
| | mg/L | 0565 | WL | 10/27/2005 | 0001 | 4.50 - 4.50 | 427 | | QF | # | 3.6 | - |
| | mg/L | 0565 | WL | 12/14/2005 | 0001 | 4.50 - 4.50 | 736 | J | FQ | # | 3.6 | - |
| | mg/L | 0606 | WL | 10/27/2005 | 0001 | 9.80 - 9.80 | 2020 | | QF | # | 3.6 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 2100 | J | FQ | # | 3.6 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 926 | | QF | # | 3.6 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 1770 | J | FQ | # | 3.6 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 2800 | | QF | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 3300 | | QF | # | 200 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 4300 | | QF | # | 200 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 680 | | QF | # | 80 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 700 | | QF | # | 80 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 810 | | QF | # | 40 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 780 | | QF | # | 80 | - |
| | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 730 | | QF | # | 40 | - |
| Total Inorganic Carbon | mg/L | 0563 | WL | 10/27/2005 | 0001 | 5.10 - 5.10 | 12.9 | | QF | # | 2.2 | - |
| | mg/L | 0606 | WL | 12/14/2005 | 0001 | 9.80 - 9.80 | 81.8 | | FQ | # | 11.1 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.22 | U | QF | # | 0.22 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 121 | | FQ | # | 11.1 | - |
| Total Organic Carbon | mg/L | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 2740 | H | JQF | # | 43 | - |
| | mg/L | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 4.8 | | FQ | # | 0.47 | - |
| Turbidity | NTU | 0562 | WL | 11/18/2004 | N001 | 1.53 - 1.53 | 139 | | | # | - | - |
| | NTU | 0562 | WL | 12/15/2004 | N001 | 1.53 - 1.53 | 113 | | FQ | # | - | - |
| | NTU | 0562 | WL | 01/26/2005 | N001 | 1.53 - 1.53 | 134 | | FQ | # | - | - |
| | NTU | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 48.0 | | QF | # | - | - |
| | NTU | 0562 | WL | 03/15/2005 | N001 | 1.53 - 1.53 | 12.1 | | QF | # | - | - |
| | NTU | 0562 | WL | 07/28/2005 | N001 | 1.80 - 1.80 | 444 | | QF | # | - | - |
| | NTU | 0562 | WL | 08/25/2005 | N001 | 1.80 - 1.80 | 1000 | > | FQ | # | - | - |
| | NTU | 0562 | WL | 09/28/2005 | N001 | 1.80 - 1.80 | 1000 | > | QF | # | - | - |
| | NTU | 0562 | WL | 10/13/2005 | N001 | 1.80 - 1.80 | 843 | | QF | # | - | - |
| | NTU | 0562 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 71.9 | | QF | # | - | - |
| | NTU | 0562 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 1000 | > | QF | # | - | - |
| | NTU | 0563 | WL | 08/20/2004 | N001 | 3.95 - 3.95 | 1000 | > | F | # | - | - |
| | NTU | 0563 | WL | 11/18/2004 | N001 | 3.95 - 3.95 | 308 | | FQ | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0563 | WL | 12/15/2004 | N001 | 3.95 - 3.95 | 1000 | > | FQ # | - | - |
| | NTU | 0563 | WL | 01/26/2005 | N001 | 3.95 - 3.95 | 134 | | FQ # | - | - |
| | NTU | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 32.0 | | QF # | - | - |
| | NTU | 0563 | WL | 03/15/2005 | N001 | 3.95 - 3.95 | 23.4 | | QF # | - | - |
| | NTU | 0563 | WL | 07/28/2005 | N001 | 5.10 - 5.10 | 1000 | > | QF # | - | - |
| | NTU | 0563 | WL | 08/25/2005 | N001 | 5.10 - 5.10 | 1000 | > | FQ # | - | - |
| | NTU | 0563 | WL | 09/28/2005 | N001 | 5.10 - 5.10 | 1000 | > | QF # | - | - |
| | NTU | 0563 | WL | 12/14/2005 | N001 | 5.10 - 5.10 | 836 | | FQ # | - | - |
| | NTU | 0564 | WL | 11/18/2004 | N001 | 1.32 - 1.32 | 876 | | FQ # | - | - |
| | NTU | 0564 | WL | 12/15/2004 | N001 | 1.32 - 1.32 | 1000 | > | FQ # | - | - |
| | NTU | 0564 | WL | 01/26/2005 | N001 | 1.32 - 1.32 | 343 | | FQ # | - | - |
| | NTU | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 49.0 | | QF # | - | - |
| | NTU | 0564 | WL | 03/15/2005 | N001 | 1.32 - 1.32 | 53.7 | | QF # | - | - |
| | NTU | 0564 | WL | 08/26/2005 | N001 | 1.70 - 1.70 | 1000 | > | FQ # | - | - |
| | NTU | 0564 | WL | 09/28/2005 | N001 | 1.70 - 1.70 | 1000 | > | QF # | - | - |
| | NTU | 0564 | WL | 10/13/2005 | N001 | 1.70 - 1.70 | 1000 | > | QF # | - | - |
| | NTU | 0564 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 303 | | QF # | - | - |
| | NTU | 0565 | WL | 08/20/2004 | N001 | 4.32 - 4.32 | 1000 | > | F # | - | - |
| | NTU | 0565 | WL | 11/18/2004 | N001 | 4.32 - 4.32 | 1000 | > | FQ # | - | - |
| | NTU | 0565 | WL | 12/15/2004 | N001 | 4.32 - 4.32 | 1000 | > | FQ # | - | - |
| | NTU | 0565 | WL | 01/26/2005 | N001 | 4.32 - 4.32 | 1000 | > | FQ # | - | - |
| | NTU | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 239 | | QF # | - | - |
| | NTU | 0565 | WL | 03/15/2005 | N001 | 4.32 - 4.32 | 198 | | QF # | - | - |
| | NTU | 0565 | WL | 08/26/2005 | N001 | 4.50 - 4.50 | 251 | | FQ # | - | - |
| | NTU | 0565 | WL | 09/28/2005 | N001 | 4.50 - 4.50 | 445 | | QF # | - | - |
| | NTU | 0565 | WL | 12/14/2005 | N001 | 4.50 - 4.50 | 170 | | FQ # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0606 | WL | 10/27/2005 | N001 | 9.80 - 9.80 | 165 | | QF # | - | - |
| | NTU | 0606 | WL | 12/14/2005 | N001 | 9.80 - 9.80 | 732 | | FQ # | - | - |
| | NTU | 0607 | WL | 10/27/2005 | N001 | 10.10 - 10.10 | 268 | | QF # | - | - |
| | NTU | 0607 | WL | 12/14/2005 | N001 | 10.10 - 10.10 | 610 | | FQ # | - | - |
| | NTU | 0608 | WL | 10/13/2005 | N001 | 9.40 - 9.40 | 339 | | QF # | - | - |
| | NTU | 0608 | WL | 11/09/2005 | N001 | 9.40 - 9.40 | 55.9 | | QF # | - | - |
| | NTU | 0608 | WL | 12/07/2005 | N001 | 9.40 - 9.40 | 36.6 | | QF # | - | - |
| | NTU | 0611 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 67.8 | | QF # | - | - |
| | NTU | 0611 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 73.1 | | QF # | - | - |
| | NTU | 0612 | WL | 10/13/2005 | N001 | 4.80 - 4.80 | 385 | | QF # | - | - |
| | NTU | 0612 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 8.83 | | QF # | - | - |
| | NTU | 0612 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 567 | | QF # | - | - |
| Uranium | mg/L | 0562 | WL | 02/23/2005 | N001 | 1.53 - 1.53 | 0.0021 | | QF # | 4.6E-06 | - |
| | mg/L | 0562 | WL | 03/15/2005 | 0001 | 1.53 - 1.53 | 0.0027 | | QF # | 4.6E-06 | - |
| | mg/L | 0562 | WL | 07/28/2005 | 0001 | 1.80 - 1.80 | 0.00049 | | QF # | 3.8E-06 | - |
| | mg/L | 0562 | WL | 08/25/2005 | 0001 | 1.80 - 1.80 | 0.0011 | | FQ # | 3.8E-06 | - |
| | mg/L | 0562 | WL | 09/28/2005 | 0001 | 1.80 - 1.80 | 0.00045 | | QF # | 4.8E-06 | - |
| | mg/L | 0563 | WL | 08/20/2004 | 0001 | 3.95 - 3.95 | 0.150 | | F # | 6.2E-05 | - |
| | mg/L | 0563 | WL | 11/18/2004 | 0001 | 3.95 - 3.95 | 0.016 | | FQ # | 4.2E-05 | - |
| | mg/L | 0563 | WL | 12/16/2004 | 0001 | 3.95 - 3.95 | 0.045 | | FQ # | 4.2E-05 | - |
| | mg/L | 0563 | WL | 01/27/2005 | N001 | 3.95 - 3.95 | 0.086 | | FQ # | 2.3E-05 | - |
| | mg/L | 0563 | WL | 02/23/2005 | N001 | 3.95 - 3.95 | 0.059 | | QF # | 4.5E-05 | - |
| | mg/L | 0563 | WL | 03/15/2005 | 0001 | 3.95 - 3.95 | 0.063 | | QF # | 4.5E-05 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0001 | 5.10 - 5.10 | 0.043 | | QF # | 1.9E-05 | - |
| | mg/L | 0563 | WL | 07/28/2005 | 0002 | 5.10 - 5.10 | 0.024 | | QF # | 1.9E-05 | - |
| | mg/L | 0563 | WL | 08/25/2005 | 0001 | 5.10 - 5.10 | 0.018 | | FQ # | 3.8E-06 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0563 | WL | 09/28/2005 | 0001 | 5.10 - 5.10 | 0.014 | | QF # | 4.8E-06 | - |
| | mg/L | 0564 | WL | 02/23/2005 | N001 | 1.32 - 1.32 | 0.00003 | B | UQF # | 4.6E-06 | - |
| | mg/L | 0564 | WL | 03/15/2005 | 0001 | 1.32 - 1.32 | 0.00007 | B | UQF # | 4.6E-06 | - |
| | mg/L | 0564 | WL | 09/28/2005 | 0001 | 1.70 - 1.70 | 0.00056 | | QF # | 4.8E-06 | - |
| | mg/L | 0564 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 0.00065 | | QF # | 4.8E-06 | - |
| | mg/L | 0565 | WL | 11/18/2004 | 0001 | 4.32 - 4.32 | 0.00035 | | FQ # | 8.3E-06 | - |
| | mg/L | 0565 | WL | 12/16/2004 | 0001 | 4.32 - 4.32 | 0.00021 | | UFQ # | 8.3E-06 | - |
| | mg/L | 0565 | WL | 01/27/2005 | N001 | 4.32 - 4.32 | 0.00041 | | FQ # | 4.6E-06 | - |
| | mg/L | 0565 | WL | 02/23/2005 | N001 | 4.32 - 4.32 | 0.00077 | | QF # | 4.6E-06 | - |
| | mg/L | 0565 | WL | 03/15/2005 | 0001 | 4.32 - 4.32 | 0.00075 | | QF # | 4.6E-06 | - |
| | mg/L | 0565 | WL | 08/26/2005 | 0001 | 4.50 - 4.50 | 0.0025 | | FQ # | 3.8E-06 | - |
| | mg/L | 0565 | WL | 09/28/2005 | 0001 | 4.50 - 4.50 | 0.0016 | | QF # | 4.8E-06 | - |
| | mg/L | 0607 | WL | 10/27/2005 | 0001 | 10.10 - 10.10 | 0.0130 | | QF # | 0.00014 | - |
| | mg/L | 0607 | WL | 12/14/2005 | 0001 | 10.10 - 10.10 | 0.210 | | FQ # | 0.00014 | - |
| | mg/L | 0608 | WL | 10/13/2005 | 0001 | 9.40 - 9.40 | 0.001 | | QF # | 4.8E-06 | - |
| | mg/L | 0608 | WL | 11/09/2005 | 0001 | 9.40 - 9.40 | 0.00072 | | QF # | 4.8E-06 | - |
| | mg/L | 0608 | WL | 12/07/2005 | 0001 | 9.40 - 9.40 | 0.001 | | QF # | 4.8E-06 | - |
| | mg/L | 0611 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 0.00016 | | QF # | 4.8E-06 | - |
| | mg/L | 0611 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 0.00065 | | QF # | 4.8E-06 | - |
| | mg/L | 0612 | WL | 10/13/2005 | 0001 | 4.80 - 4.80 | 0.0076 | | QF # | 4.8E-06 | - |
| | mg/L | 0612 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 0.017 | | QF # | 4.8E-06 | - |
| | mg/L | 0612 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 0.016 | | QF # | 4.8E-06 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:27 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0562','0563','0606','0611','0612','0608','0564','0565','0607') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:18 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | SAMPLE: ID | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0216 | 10/14/2004 | 0001 | 143 | | # | - | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 158 | | # | - | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 426 | | # | - | - |
| | mg/L | 0216 | 01/27/2005 | 0001 | 250 | | # | - | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 210 | | # | - | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 192 | | # | - | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 98 | | # | - | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 98 | | # | - | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 120 | | # | - | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 195 | | # | - | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 158 | | # | - | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 157 | | # | - | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 216 | | # | - | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 150 | | # | - | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 138 | | # | - | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 192 | | # | - | - |
| | mg/L | 0245 | 09/27/2005 | 0001 | 168 | | # | - | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 162 | | # | - | - |
| Ammonia Total as N | mg/L | 0216 | 04/08/2004 | 0001 | 0.24 | | # | 0.1 | - |
| | mg/L | 0216 | 06/03/2004 | 0001 | 4.2 | | # | 0.1 | - |
| | mg/L | 0216 | 07/06/2004 | 0001 | 13 | | # | 0.5 | - |
| | mg/L | 0216 | 10/14/2004 | 0001 | 0.14 | | # | 0.1 | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 6.4 | | # | 0.2 | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 140 | | # | 5 | - |
| | mg/L | 0216 | 01/27/2005 | 0001 | 57 | | # | 2 | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 7.6 | | # | 0.2 | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 0.54 | | # | 0.1 | - |
| | mg/L | 0216 | 04/27/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 4.6 | | # | 0.1 | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 0.36 | | # | 0.1 | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 0.24 | | # | 0.1 | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 0.1 | U | # | 0.1 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:18 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0245 | 09/27/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| Bromide | mg/L | 0216 | 10/13/2005 | 0001 | 0.4 | U | # | 0.4 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 0.4 | U | # | 0.4 | - |
| Chloride | mg/L | 0216 | 04/08/2004 | 0001 | 54 | | # | 1 | - |
| | mg/L | 0216 | 06/03/2004 | 0001 | 79 | | # | 2 | - |
| | mg/L | 0216 | 07/06/2004 | 0001 | 140 | | # | 4 | - |
| | mg/L | 0216 | 10/14/2004 | 0001 | 100 | | # | 2 | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 130 | | # | 4 | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 610 | | # | 20 | - |
| | mg/L | 0216 | 01/27/2005 | 0001 | 670 | | # | 10 | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 150 | | # | 4 | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 110 | | # | 2 | - |
| | mg/L | 0216 | 04/27/2005 | 0001 | 30 | | # | 1 | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 12 | | # | 0.4 | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 22 | N | # | 0.4 | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 80 | N | # | 2 | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 94 | | # | 2 | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 110 | | # | 2 | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 94 | | # | 4 | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 170 | | # | 4 | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 110 | | # | 2 | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 110 | | # | 2 | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 92 | | # | 2 | - |
| | mg/L | 0245 | 09/27/2005 | 0001 | 110 | | # | 2 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 92 | | # | 4 | - |
| Dissolved Oxygen | mg/L | 0216 | 02/22/2005 | N001 | 11.09 | | # | - | - |
| | mg/L | 0216 | 03/14/2005 | N001 | 11.62 | | # | - | - |
| | mg/L | 0216 | 04/27/2005 | N001 | 10.70 | | # | - | - |
| | mg/L | 0216 | 07/27/2005 | N001 | 6.03 | | # | - | - |
| | mg/L | 0216 | 08/24/2005 | N001 | 9.30 | | # | - | - |
| | mg/L | 0216 | 09/27/2005 | N001 | 8.34 | | # | - | - |
| | mg/L | 0216 | 10/13/2005 | N001 | 9.18 | | # | - | - |
| | mg/L | 0245 | 02/22/2005 | N001 | 10.78 | | # | - | - |
| | mg/L | 0245 | 03/14/2005 | N001 | 11.18 | | # | - | - |
| | mg/L | 0245 | 08/24/2005 | N001 | 8.93 | | # | - | - |
| | mg/L | 0245 | 09/27/2005 | N001 | 7.24 | | # | - | - |
| | mg/L | 0245 | 10/13/2005 | N001 | 9.04 | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0216 | 07/06/2004 | N001 | 109 | # | - | - |
| | mV | 0216 | 10/14/2004 | N001 | 51 | # | - | - |
| | mV | 0216 | 11/18/2004 | N001 | 34 | # | - | - |
| | mV | 0216 | 12/15/2004 | N001 | 166 | # | - | - |
| | mV | 0216 | 01/27/2005 | N001 | 40.3 | # | - | - |
| | mV | 0216 | 02/22/2005 | N001 | 117 | # | - | - |
| | mV | 0216 | 03/14/2005 | N001 | 123 | # | - | - |
| | mV | 0216 | 04/27/2005 | N001 | 165 | # | - | - |
| | mV | 0216 | 05/25/2005 | N001 | 68 | # | - | - |
| | mV | 0216 | 06/23/2005 | N001 | 114 | # | - | - |
| | mV | 0216 | 07/27/2005 | N001 | 178 | # | - | - |
| | mV | 0216 | 08/24/2005 | N001 | 32.3 | # | - | - |
| | mV | 0216 | 09/27/2005 | N001 | 30.3 | # | - | - |
| | mV | 0216 | 10/13/2005 | N001 | 138 | # | - | - |
| | mV | 0245 | 11/18/2004 | N001 | 155.2 | # | - | - |
| | mV | 0245 | 12/15/2004 | N001 | 132 | # | - | - |
| | mV | 0245 | 01/27/2005 | N001 | 36.4 | # | - | - |
| | mV | 0245 | 02/22/2005 | N001 | 121 | # | - | - |
| | mV | 0245 | 03/14/2005 | N001 | 143 | # | - | - |
| | mV | 0245 | 08/24/2005 | N001 | 85 | # | - | - |
| | mV | 0245 | 09/27/2005 | N001 | 24.3 | # | - | - |
| | mV | 0245 | 10/13/2005 | N001 | 146 | # | - | - |
| pH | s.u. | 0216 | 04/08/2004 | N001 | 8.20 | # | - | - |
| | s.u. | 0216 | 06/03/2004 | N001 | 7.99 | # | - | - |
| | s.u. | 0216 | 07/06/2004 | N001 | 8.26 | # | - | - |
| | s.u. | 0216 | 10/14/2004 | N001 | 8.53 | # | - | - |
| | s.u. | 0216 | 11/18/2004 | N001 | 8.37 | # | - | - |
| | s.u. | 0216 | 12/15/2004 | N001 | 8.00 | # | - | - |
| | s.u. | 0216 | 01/27/2005 | N001 | 8.00 | # | - | - |
| | s.u. | 0216 | 02/22/2005 | N001 | 8.20 | # | - | - |
| | s.u. | 0216 | 03/14/2005 | N001 | 8.23 | # | - | - |
| | s.u. | 0216 | 04/27/2005 | N001 | 8.14 | # | - | - |
| | s.u. | 0216 | 05/25/2005 | N001 | 8.03 | # | - | - |
| | s.u. | 0216 | 06/23/2005 | N001 | 7.75 | # | - | - |
| | s.u. | 0216 | 07/27/2005 | N001 | 8.29 | # | - | - |
| | s.u. | 0216 | 08/24/2005 | N001 | 8.32 | # | - | - |
| | s.u. | 0216 | 09/27/2005 | N001 | 8.35 | # | - | - |
| | s.u. | 0216 | 10/13/2005 | N001 | 8.20 | # | - | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:18 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0245 | 11/18/2004 | N001 | 8.12 | # | - | - |
| | s.u. | 0245 | 12/15/2004 | N001 | 8.53 | # | - | - |
| | s.u. | 0245 | 01/27/2005 | N001 | 8.20 | # | - | - |
| | s.u. | 0245 | 02/22/2005 | N001 | 8.14 | # | - | - |
| | s.u. | 0245 | 03/14/2005 | N001 | 8.24 | # | - | - |
| | s.u. | 0245 | 08/24/2005 | N001 | 8.27 | # | - | - |
| | s.u. | 0245 | 09/27/2005 | N001 | 8.35 | # | - | - |
| | s.u. | 0245 | 10/13/2005 | N001 | 8.24 | # | - | - |
| Specific Conductance | umhos/cm | 0216 | 04/08/2004 | N001 | 811 | # | - | - |
| | umhos/cm | 0216 | 06/03/2004 | N001 | 1479 | # | - | - |
| | umhos/cm | 0216 | 07/06/2004 | N001 | 1117 | # | - | - |
| | umhos/cm | 0216 | 10/14/2004 | N001 | 1438 | # | - | - |
| | umhos/cm | 0216 | 11/18/2004 | N001 | 1609 | # | - | - |
| | umhos/cm | 0216 | 12/15/2004 | N001 | 7437 | # | - | - |
| | umhos/cm | 0216 | 01/27/2005 | N001 | 5636 | # | - | - |
| | umhos/cm | 0216 | 02/22/2005 | N001 | 1641 | # | - | - |
| | umhos/cm | 0216 | 03/14/2005 | N001 | 1086 | # | - | - |
| | umhos/cm | 0216 | 04/27/2005 | N001 | 571 | # | - | - |
| | umhos/cm | 0216 | 05/25/2005 | N001 | 432 | # | - | - |
| | umhos/cm | 0216 | 06/23/2005 | N001 | 450 | # | - | - |
| | umhos/cm | 0216 | 07/27/2005 | N001 | 1023 | # | - | - |
| | umhos/cm | 0216 | 08/24/2005 | N001 | 1169 | # | - | - |
| | umhos/cm | 0216 | 09/27/2005 | N001 | 1242 | # | - | - |
| | umhos/cm | 0216 | 10/13/2005 | N001 | 1240 | # | - | - |
| | umhos/cm | 0245 | 11/18/2004 | N001 | 1198 | # | - | - |
| | umhos/cm | 0245 | 12/15/2004 | N001 | 1437 | # | - | - |
| | umhos/cm | 0245 | 01/27/2005 | N001 | 1758 | # | - | - |
| | umhos/cm | 0245 | 02/22/2005 | N001 | 1171 | # | - | - |
| | umhos/cm | 0245 | 03/14/2005 | N001 | 1053 | # | - | - |
| | umhos/cm | 0245 | 08/24/2005 | N001 | 1150 | # | - | - |
| | umhos/cm | 0245 | 09/27/2005 | N001 | 1240 | # | - | - |
| | umhos/cm | 0245 | 10/13/2005 | N001 | 1692 | # | - | - |
| Sulfate | mg/L | 0216 | 04/08/2004 | 0001 | 170 | # | 2.5 | - |
| | mg/L | 0216 | 06/03/2004 | 0001 | 260 | # | 5 | - |
| | mg/L | 0216 | 07/06/2004 | 0001 | 470 | # | 10 | - |
| | mg/L | 0216 | 10/14/2004 | 0001 | 370 | # | 5 | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 400 | # | 10 | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 2700 | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0216 | 01/27/2005 | 0001 | 1900 | # | 25 | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 390 | # | 10 | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 220 | # | 5 | - |
| | mg/L | 0216 | 04/27/2005 | 0001 | 92 | # | 2.5 | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 52 | # | 1 | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 75 | # | 1 | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 240 | # | 5 | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 310 | # | 5 | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 360 | # | 5 | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 340 | # | 10 | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 400 | # | 10 | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 250 | # | 5 | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 210 | # | 5 | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 300 | # | 5 | - |
| | mg/L | 0245 | 09/27/2005 | 0001 | 360 | # | 5 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 340 | # | 10 | - |
| Temperature | C | 0216 | 04/08/2004 | N001 | 14.9 | # | - | - |
| | C | 0216 | 06/03/2004 | N001 | 28.0 | # | - | - |
| | C | 0216 | 07/06/2004 | N001 | 30.4 | # | - | - |
| | C | 0216 | 10/14/2004 | N001 | 19.10 | # | - | - |
| | C | 0216 | 11/18/2004 | N001 | 10.13 | # | - | - |
| | C | 0216 | 12/15/2004 | N001 | 13.01 | # | - | - |
| | C | 0216 | 01/27/2005 | N001 | 8.79 | # | - | - |
| | C | 0216 | 02/22/2005 | N001 | 11.63 | # | - | - |
| | C | 0216 | 03/14/2005 | N001 | 10.24 | # | - | - |
| | C | 0216 | 04/27/2005 | N001 | 7.26 | # | - | - |
| | C | 0216 | 05/25/2005 | N001 | 17.99 | # | - | - |
| | C | 0216 | 06/23/2005 | N001 | 21.37 | # | - | - |
| | C | 0216 | 07/27/2005 | N001 | 26.86 | # | - | - |
| | C | 0216 | 08/24/2005 | N001 | 28.76 | # | - | - |
| | C | 0216 | 09/27/2005 | N001 | 20.80 | # | - | - |
| | C | 0216 | 10/13/2005 | N001 | 14.3 | # | - | - |
| | C | 0245 | 11/18/2004 | N001 | 9.72 | # | - | - |
| | C | 0245 | 12/15/2004 | N001 | 9.51 | # | - | - |
| | C | 0245 | 01/27/2005 | N001 | 8.74 | # | - | - |
| | C | 0245 | 02/22/2005 | N001 | 10.00 | # | - | - |
| | C | 0245 | 03/14/2005 | N001 | 10.01 | # | - | - |
| | C | 0245 | 08/24/2005 | N001 | 27.36 | # | - | - |

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0245 | 09/27/2005 | N001 | 20.50 | # | - | - |
| | C | 0245 | 10/13/2005 | N001 | 16.4 | # | - | - |
| Total Dissolved Solids | mg/L | 0216 | 04/08/2004 | 0001 | 470 | # | 20 | - |
| | mg/L | 0216 | 06/03/2004 | 0001 | 660 | # | 20 | - |
| | mg/L | 0216 | 07/06/2004 | 0001 | 1100 | # | 40 | - |
| | mg/L | 0216 | 10/14/2004 | 0001 | 830 | # | 20 | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 1000 | # | 40 | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 5100 | # | 200 | - |
| | mg/L | 0216 | 01/27/2005 | 0001 | 3800 | # | 80 | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 920 | # | 20 | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 630 | # | 20 | - |
| | mg/L | 0216 | 04/27/2005 | 0001 | 300 | # | 20 | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 1800 | # | 40 | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 250 | # | 20 | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 600 | # | 20 | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 750 | # | 20 | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 810 | # | 40 | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 810 | # | 40 | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 990 | # | 20 | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 650 | # | 20 | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 630 | # | 20 | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 770 | # | 20 | - |
| | mg/L | 0245 | 09/27/2005 | 0001 | 820 | # | 40 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 790 | # | 40 | - |
| Turbidity | NTU | 0216 | 04/08/2004 | N001 | 2000 | # | - | - |
| | NTU | 0216 | 06/03/2004 | N001 | 58.9 | # | - | - |
| | NTU | 0216 | 07/06/2004 | N001 | 24.6 | # | - | - |
| | NTU | 0216 | 10/14/2004 | N001 | 210 | # | - | - |
| | NTU | 0216 | 11/18/2004 | N001 | 104 | # | - | - |
| | NTU | 0216 | 12/15/2004 | N001 | 122 | # | - | - |
| | NTU | 0216 | 01/27/2005 | N001 | 1000 > | # | - | - |
| | NTU | 0216 | 02/22/2005 | N001 | 354 | # | - | - |
| | NTU | 0216 | 03/14/2005 | N001 | 248 | # | - | - |
| | NTU | 0216 | 04/27/2005 | N001 | 2000 > | # | - | - |
| | NTU | 0216 | 05/25/2005 | N001 | 861 | # | - | - |
| | NTU | 0216 | 06/23/2005 | N001 | 94 | # | - | - |
| | NTU | 0216 | 07/27/2005 | N001 | 743 | # | - | - |
| | NTU | 0216 | 08/24/2005 | N001 | 157 | # | - | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:18 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0216 | 09/27/2005 | N001 | 196 | | # | - | - |
| | NTU | 0216 | 10/13/2005 | N001 | 1000 | > | # | - | - |
| | NTU | 0245 | 11/18/2004 | N001 | 70.5 | | # | - | - |
| | NTU | 0245 | 01/27/2005 | N001 | 208 | | # | - | - |
| | NTU | 0245 | 02/22/2005 | N001 | 552 | | # | - | - |
| | NTU | 0245 | 03/14/2005 | N001 | 304 | | # | - | - |
| | NTU | 0245 | 08/24/2005 | N001 | 118 | | # | - | - |
| | NTU | 0245 | 09/27/2005 | N001 | 305 | | # | - | - |
| | NTU | 0245 | 10/13/2005 | N001 | 1000 | > | # | - | - |
| Uranium | mg/L | 0216 | 04/08/2004 | 0001 | 0.0051 | | # | 6.9E-06 | - |
| | mg/L | 0216 | 06/03/2004 | 0001 | 0.034 | | # | 2.8E-06 | - |
| | mg/L | 0216 | 07/06/2004 | 0001 | 0.080 | | # | 3.4E-05 | - |
| | mg/L | 0216 | 10/14/2004 | 0001 | 0.019 | J | # | 8.3E-06 | - |
| | mg/L | 0216 | 11/18/2004 | 0001 | 0.050 | | # | 4.2E-05 | - |
| | mg/L | 0216 | 12/15/2004 | 0001 | 0.840 | | # | 0.00083 | - |
| | mg/L | 0216 | 01/27/2005 | 0001 | 0.500 | | # | 2.3E-05 | - |
| | mg/L | 0216 | 02/22/2005 | 0001 | 0.054 | | # | 4.5E-05 | - |
| | mg/L | 0216 | 03/14/2005 | 0001 | 0.012 | E | # | 4.6E-06 | - |
| | mg/L | 0216 | 04/27/2005 | 0001 | 0.0021 | | # | 2.2E-06 | - |
| | mg/L | 0216 | 05/25/2005 | 0001 | 0.0015 | | # | 2.2E-06 | - |
| | mg/L | 0216 | 06/23/2005 | 0001 | 0.0011 | | # | 2.2E-06 | - |
| | mg/L | 0216 | 07/27/2005 | 0001 | 0.0048 | | # | 3.8E-06 | - |
| | mg/L | 0216 | 08/24/2005 | 0001 | 0.011 | | # | 3.8E-06 | - |
| | mg/L | 0216 | 09/27/2005 | 0001 | 0.0091 | | # | 4.8E-06 | - |
| | mg/L | 0216 | 10/13/2005 | 0001 | 0.0075 | | # | 4.8E-06 | - |
| | mg/L | 0245 | 01/27/2005 | 0001 | 0.054 | | # | 2.3E-05 | - |
| | mg/L | 0245 | 02/22/2005 | 0001 | 0.012 | | # | 4.6E-06 | - |
| | mg/L | 0245 | 03/14/2005 | 0001 | 0.0093 | | # | 4.6E-06 | - |
| | mg/L | 0245 | 08/24/2005 | 0001 | 0.0099 | | # | 3.8E-06 | - |
| | mg/L | 0245 | 09/27/2005 | 0001 | 0.008 | | # | 4.8E-06 | - |
| | mg/L | 0245 | 10/13/2005 | 0001 | 0.0069 | | # | 4.8E-06 | - |

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE800 WHERE site_code='MOA01' AND location_code in ('0216','0245') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Arochlor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | |
|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. |
| J | Estimated value. | L | Less than 3 bore volumes purged prior to sampling. |
| Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 -16.16 | 827 | | F | # | - | - |
| | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 -17.00 | 843 | | F | # | - | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 402 | | F | # | - | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 -16.00 | 219 | | F | # | - | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 154 | | F | # | - | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 -18.00 | 160 | | F | # | - | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 -18.00 | 206 | | F | # | - | - |
| | mg/L | 0401 | WL | 06/24/2005 | 0001 | 18.00 -18.00 | 256 | | F | # | - | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 -18.00 | 288 | | F | # | - | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 304 | | F | # | - | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 400 | | F | # | - | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 -18.00 | 326 | | F | # | - | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 270 | | F | # | - | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 168 | | F | # | - | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 -16.60 | 844 | | F | # | - | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 -18.00 | 910 | | F | # | - | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 -17.00 | 554 | | F | # | - | - |
| | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 -17.00 | 316 | | F | # | - | - |
| | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 -17.00 | 310 | | F | # | - | - |
| | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 -17.00 | 204 | | F | # | - | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 244 | | F | # | - | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 -17.00 | 240 | | F | # | - | - |
| | mg/L | 0402 | WL | 06/22/2005 | 0001 | 17.00 -17.00 | 524 | | F | # | - | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 290 | | F | # | - | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 -17.00 | 326 | | F | # | - | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 -17.00 | 304 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 - 17.00 | 338 | | F # | - | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 - 16.40 | 248 | | F # | - | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 - 17.00 | 220 | | F # | - | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 - 17.00 | 204 | | F # | - | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 - 26.20 | 1004 | | F # | - | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 - 26.00 | 1015 | | F # | - | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 - 25.00 | 646 | | F # | - | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 566 | | F # | - | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 - 26.00 | 394 | | F # | - | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 - 26.00 | 272 | | F # | - | - |
| | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 - 28.00 | 202 | | F # | - | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 - 26.00 | 160 | | F # | - | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 - 26.00 | 174 | | F # | - | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 - 26.00 | 180 | | F # | - | - |
| | mg/L | 0408 | WL | 06/24/2005 | 0001 | 26.00 - 26.00 | 206 | | F # | - | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 - 26.00 | 197 | | F # | - | - |
| | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 198 | | F # | - | - |
| | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 271 | | F # | - | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 206 | | F # | - | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 430 | | F # | - | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 400 | | F # | - | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 400 | | F # | - | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 675 | | F # | - | - |
| | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 - 18.00 | 853 | | F # | - | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 - 18.00 | 318 | | F # | - | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 435 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 312 | | F | # | - | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 240 | | F | # | - | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 216 | | F | # | - | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 206 | | F | # | - | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 234 | | F | # | - | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 340 | | F | # | - | - |
| | mg/L | 0580 | WL | 06/22/2005 | 0001 | 18.00 -18.00 | 392 | | F | # | - | - |
| | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 364 | | F | # | - | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 -18.00 | 508 | | F | # | - | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 296 | | F | # | - | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 306 | | F | # | - | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 292 | | F | # | - | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 308 | | F | # | - | - |
| | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 958 | | F | # | - | - |
| | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 670 | | F | # | - | - |
| | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 320 | | F | # | - | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 348 | | F | # | - | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 306 | | F | # | - | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 218 | | F | # | - | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 384 | | F | # | - | - |
| | mg/L | 0581 | WL | 06/22/2005 | 0001 | 18.00 -18.00 | 280 | | F | # | - | - |
| | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 392 | | F | # | - | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 402 | | F | # | - | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 332 | | F | # | - | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 288 | | F | # | - | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 812 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 704 | | F | # | - | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 562 | | F | # | - | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 226 | | F | # | - | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 248 | | F | # | - | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 250 | | F | # | - | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 216 | | F | # | - | - |
| | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 260 | | F | # | - | - |
| | mg/L | 0582 | WL | 06/22/2005 | 0001 | 18.00 - 18.00 | 670 | | F | # | - | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 308 | | F | # | - | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 265 | | F | # | - | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 270 | | F | # | - | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 300 | | F | # | - | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 240 | | F | # | - | - |
| | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 994 | | F | # | - | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 834 | | F | # | - | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 820 | | F | # | - | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 596 | | F | # | - | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 574 | | F | # | - | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 - 18.00 | 430 | | F | # | - | - |
| | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 344 | | F | # | - | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 280 | | F | # | - | - |
| | mg/L | 0583 | WL | 06/22/2005 | 0001 | 18.00 - 18.00 | 286 | | F | # | - | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 256 | | F | # | - | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 334 | | F | # | - | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 410 | | F | # | - | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 1512 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 472 | | F # | - | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 488 | | F # | - | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 920 | | F # | - | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 840 | | F # | - | - |
| | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 650 | | F # | - | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 488 | | F # | - | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 370 | | F # | - | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 302 | | F # | - | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 320 | | F # | - | - |
| | mg/L | 0584 | WL | 06/22/2005 | 0001 | 18.00 -18.00 | 356 | | F # | - | - |
| | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 246 | | F # | - | - |
| | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 348 | | F # | - | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 388 | | F # | - | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 408 | | F # | - | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 880 | | F # | - | - |
| | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 376 | | F # | - | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 210 | | F # | - | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 188 | | F # | - | - |
| | mg/L | 0585 | WL | 06/22/2005 | 0001 | 18.00 -18.00 | 216 | | F # | - | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 258 | | F # | - | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 270 | | F # | - | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 310 | | F # | - | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 280 | | F # | - | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 202 | | F # | - | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 890 | | F # | - | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 332 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 200 | | F # | - | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 174 | | F # | - | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 368 | | F # | - | - |
| | mg/L | 0586 | WL | 06/24/2005 | 0001 | 18.00 - 18.00 | 254 | | F # | - | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 540 | | F # | - | - |
| | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 310 | | F # | - | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 196 | | F # | - | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 200 | | F # | - | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 304 | | F # | - | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 860 | | F # | - | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 654 | | F # | - | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 354 | | F # | - | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 268 | | F # | - | - |
| | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 286 | | F # | - | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 178 | | F # | - | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 - 18.00 | 240 | | F # | - | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 360 | | F # | - | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 314 | | F # | - | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 360 | | F # | - | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 334 | | F # | - | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 - 34.00 | 672 | | F # | - | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 690 | | F # | - | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 190 | | F # | - | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 - 34.00 | 208 | | F # | - | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 - 34.00 | 184 | | F # | - | - |
| | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 - 34.00 | 180 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 - 34.00 | 228 | | F # | - | - |
| | mg/L | 0588 | WL | 06/22/2005 | 0001 | 34.00 - 34.00 | 250 | | F # | - | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 - 34.00 | 244 | | F # | - | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 - 34.00 | 200 | | F # | - | - |
| | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 - 34.00 | 674 | | F # | - | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 - 34.00 | 288 | | F # | - | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 194 | | F # | - | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 - 30.00 | 188 | | F # | - | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 300 | | F # | - | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 - 34.00 | 814 | | F # | - | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 220 | | F # | - | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 480 | | F # | - | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 394 | | F # | - | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 312 | | F # | - | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 260 | | F # | - | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 548 | | F # | - | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 556 | | F # | - | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 666 | | F # | - | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 644 | | F # | - | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 644 | | F # | - | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 696 | | F # | - | - |
| | mg/L | 0589 | WL | 06/22/2005 | 0001 | 44.00 - 44.00 | 642 | | F # | - | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 600 | | F # | - | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 870 | | F # | - | - |
| | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 688 | | F # | - | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 560 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 618 | | F | # | - | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 720 | | F | # | - | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 440 | | F | # | - | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 614 | | F | # | - | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 814 | | F | # | - | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 880 | | F | # | - | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 972 | | F | # | - | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 688 | | F | # | - | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 800 | | F | # | - | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 780 | | | # | - | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 246 | | F | # | - | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 260 | | F | # | - | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 216 | | F | # | - | - |
| Ammonia Total as N | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 - 16.16 | 480 | | F | # | 20 | - |
| | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 520 | | F | # | 50 | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 150 | | F | # | 5 | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 82 | | F | # | 20 | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 77 | | F | # | 2 | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 1.4 | | F | # | 0.1 | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 8.5 | | F | # | 0.2 | - |
| | mg/L | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 16 | | F | # | 0.5 | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 - 18.00 | 17 | | F | # | 2 | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 43 | | F | # | 5 | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 70 | | F | # | 2 | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 72 | | F | # | 20 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 5.3 | | F | # | 0.2 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 - 18.00 | 5.3 | F | # | 0.2 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 3.7 | F | # | 0.1 | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 - 16.60 | 420 | F | # | 20 | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 - 18.00 | 630 | F | # | 50 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 - 17.00 | 310 | F | # | 10 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0002 | 17.00 - 17.00 | 270 | F | # | 10 | - |
| | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 - 17.00 | 130 | F | # | 20 | - |
| | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 - 17.00 | 90 | F | # | 5 | - |
| | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 - 17.00 | 13 | F | # | 1 | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 16 | F | # | 0.5 | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 - 17.00 | 28 | F | # | 5 | - |
| | mg/L | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 25 | F | # | 2 | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 18 | F | # | 2 | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 - 17.00 | 41 | JF | # | 1 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 - 17.00 | 38 | F | # | 5 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0002 | 17.00 - 17.00 | 37 | F | # | 5 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 - 17.00 | 84 | F | # | 20 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 - 16.40 | 43 | F | # | 1 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 - 17.00 | 34 | F | # | 1 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 - 17.00 | 25 | F | # | 1 | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 - 26.20 | 930 | F | # | 20 | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 - 26.00 | 770 | F | # | 50 | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 - 25.00 | 530 | F | # | 50 | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 440 | F | # | 50 | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 - 26.00 | 320 | F | # | 50 | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 - 26.00 | 170 | F | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 - 28.00 | 130 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 - 26.00 | 90 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 - 26.00 | 91 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 - 26.00 | 68 | | F | # | 5 | - |
| | mg/L | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 56 | | F | # | 2 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 - 26.00 | 75 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0002 | 26.00 - 26.00 | 77 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 99 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 190 | | F | # | 5 | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 240 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 320 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 210 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 240 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 420 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 - 18.00 | 470 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0580 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 47 | | F | # | 2 | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 130 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 26 | | F | # | 1 | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 8.8 | | F | # | 0.5 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 5.6 | | F | # | 0.2 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0002 | 18.00 - 18.00 | 5.8 | | F | # | 0.2 | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 5.5 | | F | # | 0.2 | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 52 | | F | # | 2 | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 25 | | F | # | 5 | - |
| | mg/L | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 9.5 | | F | # | 0.5 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 6 | | F | # | 0.2 | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 21 | | F | # | 5 | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 24 | | F | # | 0.5 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 24 | | F | # | 1 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 36 | | F | # | 1 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 40 | | F | # | 1 | - |
| | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 600 | | F | # | 50 | - |
| | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 360 | | F | # | 50 | - |
| | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 140 | | F | # | 5 | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 92 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 85 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 67 | | F | # | 5 | - |
| | mg/L | 0581 | WL | 06/22/2005 | N002 | 18.00 - 18.00 | 81 | | F | # | 5 | - |
| | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 - 18.00 | 110 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 100 | | F | # | 5 | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 540 | | F | # | 50 | - |
| | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 560 | | F | # | 50 | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 360 | | F | # | 50 | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 77 | | F | # | 2 | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 68 | | F | # | 5 | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 70 | | F | # | 20 | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 86 | | F | # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 44 | | F | # | 5 | - |
| | mg/L | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 79 | | F | # | 2 | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 100 | | F | # | 5 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 53 | | F | # | 5 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0002 | 18.00 - 18.00 | 59 | | F | # | 2 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 63 | | F | # | 2 | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 65 | | F | # | 2 | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 60 | | F | # | 2 | - |
| | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 580 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 600 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 530 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 320 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 300 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 - 18.00 | 270 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 150 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 77 | | F | # | 5 | - |
| | mg/L | 0583 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 82 | | F | # | 2 | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 170 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 200 | | F | # | 5 | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 270 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 340 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 290 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 310 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 - 18.00 | 310 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 630 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 480 | | F | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 350 | | F # | 50 | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 250 | | F # | 50 | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 210 | | F # | 20 | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 170 | | F # | 10 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 59 | | F # | 5 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0002 | 18.00 -18.00 | 62 | | F # | 5 | - |
| | mg/L | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 26 | | F # | 1 | - |
| | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 130 | | F # | 5 | - |
| | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 210 | | F # | 20 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 280 | | F # | 20 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 -18.00 | 270 | | F # | 20 | - |
| | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 250 | | F # | 10 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 330 | | F # | 50 | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 500 | | F # | 50 | - |
| | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 170 | | F # | 10 | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 44 | | F # | 2 | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 38 | | F # | 2 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 45 | | F # | 10 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 46 | | F # | 2 | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 37 | | F # | 1 | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 44 | | F # | 5 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 120 | | F # | 20 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 25 | | F # | 1 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 31 | | F # | 1 | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 470 | | F # | 50 | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 160 | | F # | 5 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 50 | | F # | 2 | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 7.2 | | F # | 0.2 | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 11 | | F # | 0.5 | - |
| | mg/L | 0586 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 41 | | F # | 1 | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 160 | | F # | 10 | - |
| | mg/L | 0586 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 61 | | F # | 5 | - |
| | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 70 | | F # | 20 | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 21 | | F # | 1 | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 16 | | F # | 0.5 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 45 | | F # | 1 | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 530 | | F # | 50 | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 290 | | F # | 10 | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 67 | | F # | 5 | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 25 | | F # | 1 | - |
| | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 32 | | F # | 2 | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 47 | | F # | 2 | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 - 18.00 | 30 | | F # | 1 | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 19 | | F # | 5 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 38 | | F # | 1 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 39 | | F # | 1 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 32 | | F # | 1 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 - 34.00 | 1100 | | F # | 50 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 1200 | | F # | 50 | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 28 | | F # | 1 | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 - 34.00 | 9.8 | | F # | 0.5 | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 - 34.00 | 11 | | F # | 0.5 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 - 34.00 | 30 | | F | # | 2 | - |
| | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 - 34.00 | 24 | | F | # | 5 | - |
| | mg/L | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 54 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 - 34.00 | 22 | | F | # | 0.5 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0002 | 34.00 - 34.00 | 21 | | F | # | 0.5 | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 - 34.00 | 21 | | F | # | 5 | - |
| | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 - 34.00 | 270 | | F | # | 20 | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 - 34.00 | 77 | | F | # | 20 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 28.000 | | F | # | 0.549 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 - 30.00 | 47 | | F | # | 2 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 - 34.00 | 350 | | F | # | 20 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 36.700 | | F | # | 0.549 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 1400 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 410 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 220 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 810 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 920 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 1000 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 930 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 860 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0002 | 44.00 - 44.00 | 890 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 360 | | F | # | 10 | - |
| | mg/L | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 730 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 810 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 690 | | F | # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 820 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 700 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 772.000 | | F | # | 5.49 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 754.000 | | F | # | 5.49 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 - 48.00 | 830 | | F | # | 20 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 917.000 | | F | # | 5.49 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 987.000 | | F | # | 5.49 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 880 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 - 52.00 | 870 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 933.000 | | F | # | 5.49 | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 430 | | F | # | 20 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 730 | | F | # | 20 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 780 | | F | # | 50 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 520 | | F | # | 20 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 520 | | F | # | 20 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 460 | | F | # | 10 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 600 | | | # | 50 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 73.900 | | F | # | 5.49 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 116.000 | | F | # | 5.49 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 141.000 | | F | # | 2.19 | - |
| Biochemical Oxygen Dema | mg/L | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 1.00 | | F | # | 0.1 | - |
| | mg/L | 0589 | WL | 11/28/2005 | N005 | 44.00 - 44.00 | 0.32 | | F | # | 0.1 | - |
| | mg/L | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 0.63 | | F | # | 0.1 | - |
| | mg/L | 0602 | WL | 11/28/2005 | N005 | 18.00 - 18.00 | 0.4 | | F | # | 0.1 | - |
| | mg/L | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 0.36 | | F | # | 0.1 | - |
| Bromide | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 2 | U | F | # | 2 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 -18.00 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 -17.00 | 2 | U | F # | 2 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 -16.40 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 -17.00 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 -17.00 | 0.4 | U | F # | 0.4 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 -26.00 | 4 | U | F # | 4 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 -26.00 | 2 | U | F # | 2 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 -26.00 | 2 | U | F # | 2 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 2 | U | F # | 2 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1 | U | F # | 1 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 4 | U | F # | 4 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 4 | U | F # | 4 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 2 | U | F # | 2 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 -18.00 | 4 | U | F # | 4 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 2 | U | F # | 2 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 -18.00 | 2 | U | F # | 2 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 2 | U | F | # | 2 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 2 | U | F | # | 2 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F | # | 0.4 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F | # | 0.4 | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F | # | 0.4 | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 0.4 | U | F | # | 0.4 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 1 | U | F | # | 1 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1 | U | F | # | 1 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1 | U | F | # | 1 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 1 | U | F | # | 1 | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 -34.00 | 2 | U | F | # | 2 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 -26.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 -30.00 | 1 | U | F | # | 1 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 -26.00 | 0.65 | | F | # | 0.026 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 -34.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 -26.00 | 0.26 | U | F | # | 0.26 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 -52.00 | 20 | U | F | # | 20 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 -44.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 -44.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 -48.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 -44.00 | 128 | U | F | # | 128 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 -44.00 | 128 | U | F | # | 128 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 -52.00 | 20 | U | F | # | 20 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 -52.00 | 20 | U | F | # | 20 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 -44.00 | 17.5 | | F | # | 0.26 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 4 | U | | # | 4 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.15 | B | F | # | 0.026 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.26 | U | F | # | 0.26 | - |
| Carbon Dioxide | mg/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 4.8 | J | F | # | 0.53 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 13 | | F | # | 0.53 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 16 | | F | # | 0.53 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 71 | | F | # | 0.53 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 70 | | F | # | 0.53 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 73 | | F | # | 0.53 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 39 | | F | # | 0.53 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 72 | | F | # | 0.53 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 7.1 | | F | # | 0.53 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 - 18.00 | 4.5 | J | F | # | 0.53 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 - 18.00 | 3.6 | | F | # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 60.0 | | F | # | 9.2 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 60.0 | | F | # | 9.2 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 13.0 | B | F | # | 9.2 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 129 | | F | # | 9.2 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 789 | | F | # | 9.2 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chemical Oxygen Demand | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 14.0 | B | F # | 9.2 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 1000 | | F # | 9.2 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 2250 | | F # | 458 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 101 | | F # | 9.2 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 24.0 | | F # | 9.2 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 9.2 | U | F # | 9.2 | - |
| Chloride | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 - 16.16 | 1900 | | F # | 100 | - |
| | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 1700 | | F # | 40 | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 370 | | F # | 20 | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 110 | | F # | 4 | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 100 | | F # | 4 | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 60 | | F # | 2 | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 1100 | | F # | 20 | - |
| | mg/L | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 640 | | F # | 20 | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 - 18.00 | 450 | | F # | 10 | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 520 | | F # | 10 | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 380 | | F # | 20 | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 610 | | F # | 20 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 160 | | F # | 4 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 - 18.00 | 150 | | F # | 4 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 130 | | F # | 4 | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 - 16.60 | 2100 | | F # | 100 | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 - 18.00 | 1700 | | F # | 40 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 - 17.00 | 1300 | | F # | 40 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0002 | 17.00 - 17.00 | 1200 | | F # | 40 | - |
| | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 - 17.00 | 480 | | F # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 -17.00 | 410 | | F # | 10 | - |
| | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 -17.00 | 130 | | F # | 4 | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 240 | | F # | 10 | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 -17.00 | 320 | | F # | 10 | - |
| | mg/L | 0402 | WL | 06/22/2005 | N001 | 17.00 -17.00 | 800 | | F # | 20 | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 620 | | F # | 20 | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 -17.00 | 510 | | F # | 10 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 -17.00 | 390 | | F # | 10 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0002 | 17.00 -17.00 | 390 | | F # | 10 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 -17.00 | 550 | | F # | 20 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 -16.40 | 160 | | F # | 4 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 -17.00 | 140 | | F # | 4 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 -17.00 | 140 | | F # | 4 | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 -26.20 | 2700 | | F # | 100 | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 -26.00 | 2200 | | F # | 100 | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 -25.00 | 1200 | | F # | 40 | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 -26.00 | 770 | | F # | 40 | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 -26.00 | 300 | | F # | 20 | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 -26.00 | 160 | | F # | 10 | - |
| | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 -28.00 | 120 | | F # | 10 | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 -26.00 | 120 | | F # | 4 | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 -26.00 | 120 | | F # | 4 | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 -26.00 | 120 | | F # | 4 | - |
| | mg/L | 0408 | WL | 06/24/2005 | N001 | 26.00 -26.00 | 79 | | F # | 4 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 -26.00 | 97 | | F # | 4 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0002 | 26.00 -26.00 | 98 | | F # | 4 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 140 | | F | # | 4 | - |
| | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 510 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 850 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 340 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 430 | | F | # | 20 | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 2200 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 - 18.00 | 2200 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 - 18.00 | 640 | | F | # | 20 | - |
| | mg/L | 0580 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 490 | | F | # | 20 | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 150 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 180 | | F | # | 4 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 130 | | F | # | 4 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0002 | 18.00 - 18.00 | 130 | | F | # | 4 | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 210 | | F | # | 4 | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 560 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 85 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 160 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 93 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 450 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 360 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 330 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 350 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 310 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2200 | | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 490 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 270 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 230 | | F | # | 4 | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 250 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 600 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 650 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 850 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 850 | | F | # | 20 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 470 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 -18.00 | 480 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 380 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 2200 | | F | # | 40 | - |
| | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 3300 | | F | # | 100 | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 210 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 210 | | F | # | 4 | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 210 | | F | # | 4 | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 490 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 840 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 880 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 350 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 290 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0002 | 18.00 -18.00 | 290 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 230 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 270 | | F | # | 10 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 210 | | F | # | 10 | - |
| | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 620 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 520 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 340 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 520 | | F | # | 10 | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 530 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 680 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 420 | | F | # | 10 | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 530 | | F | # | 10 | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 20 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 -18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 720 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 300 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 220 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 200 | | F | # | 10 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 300 | | F | # | 10 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0002 | 18.00 -18.00 | 300 | | F | # | 10 | - |
| | mg/L | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 1400 | | F | # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 370 | | F | # | 10 | - |
| | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 670 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1000 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 -18.00 | 1100 | | F | # | 20 | - |
| | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 40 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 560 | | F | # | 20 | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 140 | | F | # | 4 | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 350 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 640 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 650 | | F | # | 20 | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 430 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 560 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 830 | | F | # | 20 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 140 | | F | # | 4 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 170 | | F | # | 4 | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 300 | | F | # | 20 | - |
| | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 120 | | F | # | 4 | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 65 | | F | # | 2 | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 -18.00 | 870 | | F | # | 20 | - |
| | mg/L | 0586 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 510 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 20 | - |
| | mg/L | 0586 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 560 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 500 | | F | # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 130 | | F | # | 4 | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 120 | | F | # | 4 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 450 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 370 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 170 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 190 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 360 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 - 18.00 | 520 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 310 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 420 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 320 | | F | # | 10 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 170 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 - 34.00 | 21000 | | F | # | 400 | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 120 | | F | # | 4 | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 - 34.00 | 250 | | F | # | 4 | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 - 34.00 | 370 | | F | # | 4 | - |
| | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 - 34.00 | 590 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 - 34.00 | 210 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 1400 | | F | # | 20 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 - 34.00 | 650 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0002 | 34.00 - 34.00 | 650 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 - 34.00 | 310 | | F | # | 4 | - |
| | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 - 34.00 | 7400 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 - 34.00 | 1300 | | F | # | 20 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 269 | | F | # | 5 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 - 30.00 | 830 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 994 | J | F | # | 5 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 - 34.00 | 7200 | | F | # | 100 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 1260 | | F | # | 25 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 30000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 38000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 7600 | | F | # | 100 | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 2700 | | F | # | 40 | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 21000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 40000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0002 | 44.00 - 44.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 6200 | | F | # | 100 | - |
| | mg/L | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 21000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 6700 | | F | # | 200 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 24500 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 17200 | J | F | # | 250 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 - 48.00 | 27000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 26900 | J | F | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 12000 | J | F | # | 250 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 35000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 - 52.00 | 35000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 29100 | | F | # | 250 | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 2700 | | F | # | 40 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 3100 | | F | # | 40 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 3400 | | F | # | 40 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 1500 | | | # | 40 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 213 | | F | # | 5 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 231 | J | F | # | 2.5 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 218 | | F | # | 2.5 | - |
| Dissolved Organic Carbon | mg/L | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 735 | | JF | # | 43 | - |
| | mg/L | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 5.3 | B | JF | # | 4.7 | - |
| | mg/L | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 6.3 | | F | # | 0.474 | - |
| | mg/L | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 1500 | H | JF | # | 43 | - |
| | mg/L | 0589 | WL | 10/27/2005 | N003 | 44.00 - 44.00 | 1080 | H | JF | # | 43 | - |
| | mg/L | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 8.7 | B | JF | # | 4.7 | - |
| | mg/L | 0589 | WL | 11/29/2005 | N003 | 44.00 - 44.00 | 5.3 | B | JF | # | 4.7 | - |
| | mg/L | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 12.2 | | F | # | 0.47 | - |
| | mg/L | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 1490 | H | JF | # | 43 | - |
| | mg/L | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 5.1 | B | JF | # | 4.7 | - |
| | mg/L | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 2.9 | | F | # | 0.47 | - |
| Dissolved Oxygen | mg/L | 0401 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 1.28 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0401 | WL | 11/01/2004 | N001 | 16.00 -16.00 | 0.65 | | F # | - | - |
| | mg/L | 0401 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 4.14 | | F # | - | - |
| | mg/L | 0401 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 3.10 | | F # | - | - |
| | mg/L | 0401 | WL | 04/20/2005 | N001 | 18.00 -18.00 | 4.59 | | F # | - | - |
| | mg/L | 0401 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 2.23 | | F # | - | - |
| | mg/L | 0401 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 3.68 | | F # | - | - |
| | mg/L | 0401 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 3.44 | | F # | - | - |
| | mg/L | 0401 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 1.12 | | F # | - | - |
| | mg/L | 0401 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 1.49 | | F # | - | - |
| | mg/L | 0402 | WL | 08/12/2004 | N001 | 18.00 -18.00 | 1.14 | | F # | - | - |
| | mg/L | 0402 | WL | 10/28/2004 | N001 | 17.00 -17.00 | 2.13 | | F # | - | - |
| | mg/L | 0402 | WL | 02/24/2005 | N001 | 17.00 -17.00 | 3.80 | | F # | - | - |
| | mg/L | 0402 | WL | 03/16/2005 | N001 | 17.00 -17.00 | 3.23 | | F # | - | - |
| | mg/L | 0402 | WL | 04/20/2005 | N001 | 17.00 -17.00 | 1.88 | | F # | - | - |
| | mg/L | 0402 | WL | 05/24/2005 | N001 | 17.00 -17.00 | 1.85 | | F # | - | - |
| | mg/L | 0402 | WL | 07/27/2005 | N001 | 17.00 -17.00 | 2.27 | | F # | - | - |
| | mg/L | 0402 | WL | 08/25/2005 | N001 | 17.00 -17.00 | 3.11 | | F # | - | - |
| | mg/L | 0402 | WL | 09/28/2005 | N001 | 17.00 -17.00 | 2.23 | | F # | - | - |
| | mg/L | 0402 | WL | 10/19/2005 | N001 | 17.00 -17.00 | 1.52 | | F # | - | - |
| | mg/L | 0402 | WL | 11/10/2005 | N001 | 17.00 -17.00 | 1.24 | | F # | - | - |
| | mg/L | 0402 | WL | 12/08/2005 | N001 | 17.00 -17.00 | 1.62 | | F # | - | - |
| | mg/L | 0408 | WL | 08/11/2004 | N001 | 26.00 -26.00 | 1.38 | | F # | - | - |
| | mg/L | 0408 | WL | 10/28/2004 | N001 | 25.00 -25.00 | 2.30 | | F # | - | - |
| | mg/L | 0408 | WL | 02/25/2005 | N001 | 28.00 -28.00 | 5.58 | | F # | - | - |
| | mg/L | 0408 | WL | 03/16/2005 | N001 | 26.00 -26.00 | 2.92 | | F # | - | - |
| | mg/L | 0408 | WL | 04/20/2005 | N001 | 26.00 -26.00 | 3.67 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0408 | WL | 07/28/2005 | N001 | 26.00 - 26.00 | 4.09 | | F # | - | - |
| | mg/L | 0408 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 3.29 | | F # | - | - |
| | mg/L | 0408 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 2.99 | | F # | - | - |
| | mg/L | 0408 | WL | 10/20/2005 | N001 | 26.00 - 26.00 | 0.94 | | F # | - | - |
| | mg/L | 0408 | WL | 12/09/2005 | N001 | 26.00 - 26.00 | 1.08 | | F # | - | - |
| | mg/L | 0580 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 3.24 | | F # | - | - |
| | mg/L | 0580 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 3.13 | | F # | - | - |
| | mg/L | 0580 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 2.93 | | F # | - | - |
| | mg/L | 0580 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 3.42 | | F # | - | - |
| | mg/L | 0580 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 3.46 | | F # | - | - |
| | mg/L | 0580 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 1.38 | | F # | - | - |
| | mg/L | 0580 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 3.21 | | F # | - | - |
| | mg/L | 0580 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.81 | | F # | - | - |
| | mg/L | 0580 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 1.20 | | F # | - | - |
| | mg/L | 0580 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 1.34 | | F # | - | - |
| | mg/L | 0581 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 5.9 | | F # | - | - |
| | mg/L | 0581 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 1.35 | | F # | - | - |
| | mg/L | 0581 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 0.84 | | F # | - | - |
| | mg/L | 0581 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 1.78 | | F # | - | - |
| | mg/L | 0581 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 2.93 | | F # | - | - |
| | mg/L | 0581 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 3.18 | | F # | - | - |
| | mg/L | 0581 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 2.48 | | F # | - | - |
| | mg/L | 0581 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.53 | | F # | - | - |
| | mg/L | 0581 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 1.02 | | F # | - | - |
| | mg/L | 0581 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 1.03 | | F # | - | - |
| | mg/L | 0582 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 3.75 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0582 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 3.04 | | F | # | - | - |
| | mg/L | 0582 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 0.75 | | F | # | - | - |
| | mg/L | 0582 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 2.60 | | F | # | - | - |
| | mg/L | 0582 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 2.72 | | F | # | - | - |
| | mg/L | 0582 | WL | 08/25/2005 | N001 | 9.78 - 19.71 | 2.37 | | F | # | - | - |
| | mg/L | 0582 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 2.40 | | F | # | - | - |
| | mg/L | 0582 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.47 | | F | # | - | - |
| | mg/L | 0582 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 0.61 | | F | # | - | - |
| | mg/L | 0582 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 1.56 | | F | # | - | - |
| | mg/L | 0583 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 1.97 | | F | # | - | - |
| | mg/L | 0583 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 1.78 | | F | # | - | - |
| | mg/L | 0583 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 0.88 | | F | # | - | - |
| | mg/L | 0583 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 1.74 | | F | # | - | - |
| | mg/L | 0583 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 2.87 | | F | # | - | - |
| | mg/L | 0583 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 3.28 | | F | # | - | - |
| | mg/L | 0583 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 3.76 | | F | # | - | - |
| | mg/L | 0583 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.83 | | F | # | - | - |
| | mg/L | 0583 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 1.09 | | F | # | - | - |
| | mg/L | 0584 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 1.56 | | F | # | - | - |
| | mg/L | 0584 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 1.49 | | F | # | - | - |
| | mg/L | 0584 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 1.84 | | F | # | - | - |
| | mg/L | 0584 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 1.80 | | F | # | - | - |
| | mg/L | 0584 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 2.21 | | F | # | - | - |
| | mg/L | 0584 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 4.33 | | F | # | - | - |
| | mg/L | 0584 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 2.68 | | F | # | - | - |
| | mg/L | 0584 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.65 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0584 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 1.36 | | F # | - | - |
| | mg/L | 0585 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 4.56 | | F # | - | - |
| | mg/L | 0585 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 3.07 | | F # | - | - |
| | mg/L | 0585 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 2.62 | | F # | - | - |
| | mg/L | 0585 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 2.36 | | F # | - | - |
| | mg/L | 0585 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 2.23 | | F # | - | - |
| | mg/L | 0585 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 3.75 | | F # | - | - |
| | mg/L | 0585 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 2.87 | | F # | - | - |
| | mg/L | 0585 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 0.72 | | F # | - | - |
| | mg/L | 0585 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 0.85 | | F # | - | - |
| | mg/L | 0586 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 2.88 | | F # | - | - |
| | mg/L | 0586 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 1.75 | | F # | - | - |
| | mg/L | 0586 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 2.54 | | F # | - | - |
| | mg/L | 0586 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 1.76 | | F # | - | - |
| | mg/L | 0586 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 3.60 | | F # | - | - |
| | mg/L | 0586 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 2.43 | | F # | - | - |
| | mg/L | 0586 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 1.01 | | F # | - | - |
| | mg/L | 0586 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 1.10 | | F # | - | - |
| | mg/L | 0587 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 5.52 | | F # | - | - |
| | mg/L | 0587 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 2.78 | | F # | - | - |
| | mg/L | 0587 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 1.76 | | F # | - | - |
| | mg/L | 0587 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 1.71 | | F # | - | - |
| | mg/L | 0587 | WL | 07/27/2005 | N001 | 18.00 -18.00 | 2.52 | | F # | - | - |
| | mg/L | 0587 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 3.52 | | F # | - | - |
| | mg/L | 0587 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 2.52 | | F # | - | - |
| | mg/L | 0587 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 0.77 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0587 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 1.40 | | F | # | - | - |
| | mg/L | 0587 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 1.08 | | F | # | - | - |
| | mg/L | 0588 | WL | 02/25/2005 | N001 | 34.00 - 34.00 | 4.75 | | F | # | - | - |
| | mg/L | 0588 | WL | 02/25/2005 | N001 | 26.00 - 26.00 | 4.15 | | F | # | - | - |
| | mg/L | 0588 | WL | 03/16/2005 | N001 | 34.00 - 34.00 | 2.73 | | F | # | - | - |
| | mg/L | 0588 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 3.09 | | F | # | - | - |
| | mg/L | 0588 | WL | 04/27/2005 | N001 | 34.00 - 34.00 | 1.35 | | F | # | - | - |
| | mg/L | 0588 | WL | 04/27/2005 | N001 | 26.00 - 26.00 | 2.70 | | F | # | - | - |
| | mg/L | 0588 | WL | 05/24/2005 | N001 | 34.00 - 34.00 | 1.91 | | F | # | - | - |
| | mg/L | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 2.04 | | F | # | - | - |
| | mg/L | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 2.56 | | F | # | - | - |
| | mg/L | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 2.62 | | F | # | - | - |
| | mg/L | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 1.63 | | F | # | - | - |
| | mg/L | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 2.21 | | F | # | - | - |
| | mg/L | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 1.85 | | F | # | - | - |
| | mg/L | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 3.32 | | F | # | - | - |
| | mg/L | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 0.49 | | F | # | - | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 4.1 | | F | # | 0.07 | - |
| | mg/L | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 21.90 | | F | # | - | - |
| | mg/L | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 1.21 | | F | # | - | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 5.5 | | F | # | 0.07 | - |
| | mg/L | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 1.65 | | F | # | - | - |
| | mg/L | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 0.86 | | F | # | - | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 2.9 | | F | # | 0.07 | - |
| | mg/L | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 4.10 | | F | # | - | - |
| | mg/L | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 1.39 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 1.92 | | F # | - | - |
| | mg/L | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 1.01 | | F # | - | - |
| | mg/L | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 1.26 | | F # | - | - |
| | mg/L | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 2.03 | | F # | - | - |
| | mg/L | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 5.77 | | F # | - | - |
| | mg/L | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 1.12 | | F # | - | - |
| | mg/L | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 1.43 | | F # | - | - |
| | mg/L | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 2.24 | | F # | - | - |
| | mg/L | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 2.56 | | F # | - | - |
| | mg/L | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 0.97 | | F # | - | - |
| | mg/L | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 1.01 | | F # | - | - |
| | mg/L | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 0.88 | | F # | - | - |
| | mg/L | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 1.20 | | F # | - | - |
| | mg/L | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 0.43 | | F # | - | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 4 | | F # | 0.07 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 3.7 | | F # | 0.07 | - |
| | mg/L | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 0.78 | | F # | - | - |
| | mg/L | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 0.57 | | F # | - | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 1.8 | | F # | 0.07 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 2.9 | | F # | 0.07 | - |
| | mg/L | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 0.42 | | F # | - | - |
| | mg/L | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 0.63 | | F # | - | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 5.3 | | F # | 0.07 | - |
| | mg/L | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 2.93 | | F # | - | - |
| | mg/L | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 0.58 | | F # | - | - |
| | mg/L | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 1.28 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0600 | WL | 12/09/2005 | N001 | 27.00 -27.00 | 0.98 | | F | # | - | - |
| | mg/L | 0601 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 1.86 | | F | # | - | - |
| | mg/L | 0601 | WL | 12/09/2005 | N001 | 28.00 -28.00 | 0.72 | | | # | - | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 -18.00 | 3.9 | | F | # | 0.07 | - |
| | mg/L | 0602 | WL | 10/27/2005 | N001 | 18.00 -18.00 | 1.15 | | F | # | - | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 -18.00 | 4.3 | | F | # | 0.07 | - |
| | mg/L | 0602 | WL | 11/29/2005 | N001 | 18.00 -18.00 | 3.20 | | F | # | - | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 -18.00 | 3 | | F | # | 0.07 | - |
| | mg/L | 0602 | WL | 12/16/2005 | N001 | 18.00 -18.00 | 3.86 | | F | # | - | - |
| Iron | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 -26.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 -26.00 | 0.06 | | F | # | 0.03 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 -26.00 | 0.0254 | B | UF | # | 0.0074 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 -26.00 | 0.03 | | F | # | 0.03 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 -26.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 -26.00 | 0.0279 | B | UF | # | 0.0074 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 -44.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 -44.00 | 0.1 | | F | # | 0.03 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 -44.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0589 | WL | 11/28/2005 | 0005 | 44.00 -44.00 | 0.04 | | F | # | 0.03 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 -44.00 | 0.0150 | B | UF | # | 0.0074 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 -44.00 | 0.0367 | B | UF | # | 0.0074 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 -44.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 -44.00 | 0.14 | | F | # | 0.03 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 -18.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0602 | WL | 11/28/2005 | 0005 | 18.00 -18.00 | 0.03 | | F | # | 0.03 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.0108 | B | UF | # | 0.0074 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.0142 | B | UF | # | 0.0074 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.03 | | F | # | 0.03 | - |
| Iron (II) | mg/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 1 | | F | # | 0.1 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 5.9 | | F | # | 0.2 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 2 | U | F | # | 0.2 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 5 | U | F | # | 0.6 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 10 | U | F | # | 1.1 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 0.3 | | F | # | 0.1 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 - 18.00 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 - 18.00 | 1 | J | F | # | 0.1 | - |
| Manganese | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.255 | | F | # | 0.001 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.946 | | F | # | 0.001 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 1.370 | N | F | # | 0.001 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 5.570 | | F | # | 0.001 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 5.580 | | F | # | 0.001 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 5.140 | | F | # | 0.001 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 5.200 | | F | # | 0.001 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 5.100 | N | F | # | 0.001 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.365 | | F | # | 0.001 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.564 | | F | # | 0.001 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.207 | N | F | # | 0.001 | - |
| Manganese (II) | mg/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 0.2 | J | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (II) | mg/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 1 | J | F # | - | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 1.4 | | F # | - | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 0.7 | J | F # | 0.1 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 5.5 | | F # | 0.1 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 6.9 | | F # | 0.2 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 7.3 | J | F # | 0.3 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 11 | J | F # | - | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 0.3 | J | F # | - | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 - 18.00 | 0.5 | J | F # | - | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 - 18.00 | 0.2 | | F # | - | - |
| Methane | ug/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 1.1 | | F # | 0.011 | - |
| | ug/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 1.8 | | F # | 0.011 | - |
| | ug/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 0.3 | U | F # | 0.011 | - |
| | ug/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 2.2 | | F # | 0.011 | - |
| | ug/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 2.2 | | F # | 0.011 | - |
| | ug/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 3.8 | | F # | 0.011 | - |
| | ug/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 2.6 | | F # | 0.011 | - |
| | ug/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 2.3 | J | F # | 0.011 | - |
| | ug/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 6 | | F # | 0.011 | - |
| | ug/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 - 18.00 | 5 | | F # | 0.011 | - |
| | ug/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 - 18.00 | 3.8 | U | F # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 1.190 | | F # | 0.0108 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 1.820 | | F # | 0.0108 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 26.900 | | F # | 0.108 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 26.500 | | F # | 0.108 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 30.000 | | F # | 0.269 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate + Nitrite as Nitrogen | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 28.300 | | F | # | 0.108 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 16.000 | | F | # | 0.0538 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 3.710 | | F | # | 0.0108 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 4.910 | | F | # | 0.0269 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 1.050 | | F | # | 0.0054 | - |
| Nitrifying Bacteria | cfu/mL | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0589 | WL | 11/28/2005 | N005 | 44.00 - 44.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0602 | WL | 11/28/2005 | N005 | 18.00 - 18.00 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 1000 | U | F | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.005 | | F | # | 0.005 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.008 | | F | # | 0.005 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.013 | | F | # | 0.005 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.02 | | F | # | 0.005 | - |
| | mg/L | 0589 | WL | 11/28/2005 | 0005 | 44.00 - 44.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 0.009 | | F | # | 0.005 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.005 | | F | # | 0.005 | - |
| | mg/L | 0602 | WL | 11/28/2005 | 0005 | 18.00 - 18.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.005 | U | F | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0588 | WL | 10/27/2005 | 0002 | 26.00 - 26.00 | 21 | | F | # | 0.06 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0002 | 26.00 - 26.00 | 24 | | F | # | 0.06 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0002 | 26.00 - 26.00 | 17 | | F | # | 0.06 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Total | mg/L | 0589 | WL | 10/27/2005 | 0002 | 44.00 - 44.00 | 15 | | F | # | 0.06 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0004 | 44.00 - 44.00 | 14 | | F | # | 0.06 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0002 | 44.00 - 44.00 | 15 | | F | # | 0.06 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0004 | 44.00 - 44.00 | 11 | | F | # | 0.06 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0002 | 44.00 - 44.00 | 18 | | F | # | 0.06 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0002 | 18.00 - 18.00 | 22 | | F | # | 0.06 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0002 | 18.00 - 18.00 | 23 | | F | # | 0.06 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0002 | 18.00 - 18.00 | 19 | | F | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.5 | | F | # | 0.3 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0589 | WL | 11/28/2005 | 0005 | 44.00 - 44.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0602 | WL | 11/28/2005 | 0005 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0401 | WL | 05/06/2004 | N001 | 16.16 - 16.16 | 219 | | F | # | - | - |
| | mV | 0401 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 137 | | F | # | - | - |
| | mV | 0401 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 123 | | F | # | - | - |
| | mV | 0401 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 131 | | F | # | - | - |
| | mV | 0401 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 45 | | F | # | - | - |
| | mV | 0401 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 53 | | F | # | - | - |
| | mV | 0401 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 54.5 | | F | # | - | - |
| | mV | 0401 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 93 | | F | # | - | - |
| | mV | 0401 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 211 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0401 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 84 | | F | # | - | - |
| | mV | 0401 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 219 | | F | # | - | - |
| | mV | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 234 | | F | # | - | - |
| | mV | 0401 | WL | 07/13/2005 | N001 | 18.00 - 18.00 | -11.3 | | F | # | - | - |
| | mV | 0401 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 216 | | F | # | - | - |
| | mV | 0401 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 194.2 | | F | # | - | - |
| | mV | 0401 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 153 | | F | # | - | - |
| | mV | 0401 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 166.7 | | F | # | - | - |
| | mV | 0401 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 82.8 | | F | # | - | - |
| | mV | 0402 | WL | 05/05/2004 | N001 | 16.60 - 16.60 | 218 | | F | # | - | - |
| | mV | 0402 | WL | 08/12/2004 | N001 | 18.00 - 18.00 | 194 | | F | # | - | - |
| | mV | 0402 | WL | 10/15/2004 | N001 | 17.00 - 17.00 | 195 | | F | # | - | - |
| | mV | 0402 | WL | 10/28/2004 | N001 | 17.00 - 17.00 | 100.4 | | F | # | - | - |
| | mV | 0402 | WL | 11/02/2004 | N001 | 17.00 - 17.00 | 113 | | F | # | - | - |
| | mV | 0402 | WL | 12/16/2004 | N001 | 17.00 - 17.00 | 72 | | F | # | - | - |
| | mV | 0402 | WL | 01/28/2005 | N001 | 17.00 - 17.00 | 64.5 | | F | # | - | - |
| | mV | 0402 | WL | 02/24/2005 | N001 | 17.00 - 17.00 | 96.9 | | F | # | - | - |
| | mV | 0402 | WL | 03/16/2005 | N001 | 17.00 - 17.00 | 118 | | F | # | - | - |
| | mV | 0402 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 167 | | F | # | - | - |
| | mV | 0402 | WL | 05/24/2005 | N001 | 17.00 - 17.00 | 223 | | F | # | - | - |
| | mV | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 89 | | F | # | - | - |
| | mV | 0402 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 49.3 | | F | # | - | - |
| | mV | 0402 | WL | 07/27/2005 | N001 | 17.00 - 17.00 | 198 | | F | # | - | - |
| | mV | 0402 | WL | 08/25/2005 | N001 | 17.00 - 17.00 | 214 | | F | # | - | - |
| | mV | 0402 | WL | 09/28/2005 | N001 | 17.00 - 17.00 | 185 | | F | # | - | - |
| | mV | 0402 | WL | 10/19/2005 | N001 | 17.00 - 17.00 | 103.8 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0402 | WL | 11/03/2005 | N001 | 16.40 - 16.40 | 143.9 | | F | # | - | - |
| | mV | 0402 | WL | 11/10/2005 | N001 | 17.00 - 17.00 | 147 | | F | # | - | - |
| | mV | 0402 | WL | 12/08/2005 | N001 | 17.00 - 17.00 | 172.8 | | F | # | - | - |
| | mV | 0408 | WL | 05/06/2004 | N001 | 26.20 - 26.20 | 208 | | F | # | - | - |
| | mV | 0408 | WL | 08/11/2004 | N001 | 26.00 - 26.00 | 141 | | F | # | - | - |
| | mV | 0408 | WL | 10/28/2004 | N001 | 25.00 - 25.00 | 136 | | F | # | - | - |
| | mV | 0408 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 87 | | F | # | - | - |
| | mV | 0408 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 84 | | F | # | - | - |
| | mV | 0408 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 54.5 | | F | # | - | - |
| | mV | 0408 | WL | 02/25/2005 | N001 | 28.00 - 28.00 | 94 | | F | # | - | - |
| | mV | 0408 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 217 | | F | # | - | - |
| | mV | 0408 | WL | 04/20/2005 | N001 | 26.00 - 26.00 | 133 | | F | # | - | - |
| | mV | 0408 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 241 | | F | # | - | - |
| | mV | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 188 | | F | # | - | - |
| | mV | 0408 | WL | 07/13/2005 | N001 | 26.00 - 26.00 | -12.5 | | F | # | - | - |
| | mV | 0408 | WL | 07/28/2005 | N001 | 26.00 - 26.00 | 202 | | F | # | - | - |
| | mV | 0408 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 194 | | F | # | - | - |
| | mV | 0408 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 153 | | F | # | - | - |
| | mV | 0408 | WL | 10/20/2005 | N001 | 26.00 - 26.00 | 167.7 | | F | # | - | - |
| | mV | 0408 | WL | 12/09/2005 | N001 | 26.00 - 26.00 | 104 | | F | # | - | - |
| | mV | 0580 | WL | 09/03/2004 | N001 | 18.00 - 18.00 | 103.7 | | F | # | - | - |
| | mV | 0580 | WL | 09/13/2004 | N001 | 18.00 - 18.00 | 132.2 | | F | # | - | - |
| | mV | 0580 | WL | 10/05/2004 | N001 | 18.00 - 18.00 | 134 | | F | # | - | - |
| | mV | 0580 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 178 | | F | # | - | - |
| | mV | 0580 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 158 | | F | # | - | - |
| | mV | 0580 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 36 | | | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0580 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 124 | F | # | - | - |
| | mV | 0580 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 77.8 | F | # | - | - |
| | mV | 0580 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 90 | F | # | - | - |
| | mV | 0580 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 159 | F | # | - | - |
| | mV | 0580 | WL | 04/26/2005 | N001 | 18.00 -18.00 | 177.3 | F | # | - | - |
| | mV | 0580 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 197 | F | # | - | - |
| | mV | 0580 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 126 | F | # | - | - |
| | mV | 0580 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 199 | F | # | - | - |
| | mV | 0580 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 158.3 | F | # | - | - |
| | mV | 0580 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 199 | F | # | - | - |
| | mV | 0580 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 47.6 | F | # | - | - |
| | mV | 0580 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 147 | F | # | - | - |
| | mV | 0580 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 207 | F | # | - | - |
| | mV | 0581 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 235.3 | F | # | - | - |
| | mV | 0581 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 112 | F | # | - | - |
| | mV | 0581 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 80 | F | # | - | - |
| | mV | 0581 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 78.9 | | # | - | - |
| | mV | 0581 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 95 | F | # | - | - |
| | mV | 0581 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 187 | F | # | - | - |
| | mV | 0581 | WL | 04/26/2005 | N001 | 18.00 -18.00 | 163.8 | F | # | - | - |
| | mV | 0581 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 212 | F | # | - | - |
| | mV | 0581 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 92 | F | # | - | - |
| | mV | 0581 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 2.00 | F | # | - | - |
| | mV | 0581 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 195.2 | F | # | - | - |
| | mV | 0581 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 191 | F | # | - | - |
| | mV | 0581 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 57.1 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0581 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 156 | F # | - | - |
| | mV | 0581 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 199.5 | F # | - | - |
| | mV | 0582 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 205.7 | F # | - | - |
| | mV | 0582 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 195 | F # | - | - |
| | mV | 0582 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 135 | F # | - | - |
| | mV | 0582 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 86 | F # | - | - |
| | mV | 0582 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 85.0 | F # | - | - |
| | mV | 0582 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 99.1 | F # | - | - |
| | mV | 0582 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 179 | F # | - | - |
| | mV | 0582 | WL | 04/26/2005 | N001 | 18.00 -18.00 | 171.5 | F # | - | - |
| | mV | 0582 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 211 | F # | - | - |
| | mV | 0582 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 101 | F # | - | - |
| | mV | 0582 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 197 | F # | - | - |
| | mV | 0582 | WL | 08/25/2005 | N001 | 9.78 -19.71 | 182.8 | F # | - | - |
| | mV | 0582 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 188 | F # | - | - |
| | mV | 0582 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 61.5 | F # | - | - |
| | mV | 0582 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 149 | F # | - | - |
| | mV | 0582 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 184.0 | F # | - | - |
| | mV | 0583 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 186.9 | F # | - | - |
| | mV | 0583 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 197 | F # | - | - |
| | mV | 0583 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 121 | F # | - | - |
| | mV | 0583 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 115 | F # | - | - |
| | mV | 0583 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 67.9 | F # | - | - |
| | mV | 0583 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 99 | F # | - | - |
| | mV | 0583 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 203 | F # | - | - |
| | mV | 0583 | WL | 04/26/2005 | N001 | 18.00 -18.00 | 171.9 | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0583 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 124 | F | # | - | - |
| | mV | 0583 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 97 | F | # | - | - |
| | mV | 0583 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 206 | F | # | - | - |
| | mV | 0583 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 191.8 | F | # | - | - |
| | mV | 0583 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 129 | F | # | - | - |
| | mV | 0583 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 219.7 | F | # | - | - |
| | mV | 0583 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 199.7 | F | # | - | - |
| | mV | 0584 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 170.3 | F | # | - | - |
| | mV | 0584 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 131 | F | # | - | - |
| | mV | 0584 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 138 | F | # | - | - |
| | mV | 0584 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 65.0 | F | # | - | - |
| | mV | 0584 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 100 | F | # | - | - |
| | mV | 0584 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 206 | F | # | - | - |
| | mV | 0584 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 153.5 | F | # | - | - |
| | mV | 0584 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 161 | F | # | - | - |
| | mV | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 98 | F | # | - | - |
| | mV | 0584 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 199 | F | # | - | - |
| | mV | 0584 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 185 | F | # | - | - |
| | mV | 0584 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 135 | F | # | - | - |
| | mV | 0584 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 129.7 | F | # | - | - |
| | mV | 0584 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 249.7 | F | # | - | - |
| | mV | 0585 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 156.2 | F | # | - | - |
| | mV | 0585 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 179 | F | # | - | - |
| | mV | 0585 | WL | 11/03/2004 | N001 | 18.00 -18.00 | 61 | F | # | - | - |
| | mV | 0585 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 66 | F | # | - | - |
| | mV | 0585 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 57.7 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0585 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 94 | F # | - | - |
| | mV | 0585 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 203 | F # | - | - |
| | mV | 0585 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 162.5 | F # | - | - |
| | mV | 0585 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 190 | F # | - | - |
| | mV | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 93 | F # | - | - |
| | mV | 0585 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 205 | F # | - | - |
| | mV | 0585 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 190 | F # | - | - |
| | mV | 0585 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 140 | F # | - | - |
| | mV | 0585 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 159.0 | F # | - | - |
| | mV | 0585 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 51 | F # | - | - |
| | mV | 0586 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 154.2 | F # | - | - |
| | mV | 0586 | WL | 10/15/2004 | N001 | 18.00 -18.00 | 168 | F # | - | - |
| | mV | 0586 | WL | 11/03/2004 | N001 | 18.00 -18.00 | 54 | F # | - | - |
| | mV | 0586 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 57 | F # | - | - |
| | mV | 0586 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 52.8 | F # | - | - |
| | mV | 0586 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 93 | F # | - | - |
| | mV | 0586 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 214 | F # | - | - |
| | mV | 0586 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 163.8 | F # | - | - |
| | mV | 0586 | WL | 05/26/2005 | N001 | 18.00 -18.00 | 203 | F # | - | - |
| | mV | 0586 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 202 | F # | - | - |
| | mV | 0586 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 230 | F # | - | - |
| | mV | 0586 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 196.5 | F # | - | - |
| | mV | 0586 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 156 | F # | - | - |
| | mV | 0586 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 154.7 | F # | - | - |
| | mV | 0586 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 117 | F # | - | - |
| | mV | 0587 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 163.6 | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0587 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 191 | | F # | - | - |
| | mV | 0587 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 111 | | F # | - | - |
| | mV | 0587 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 137 | | F # | - | - |
| | mV | 0587 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 70.9 | | F # | - | - |
| | mV | 0587 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 95.3 | | F # | - | - |
| | mV | 0587 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 202 | | F # | - | - |
| | mV | 0587 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 92.0 | | F # | - | - |
| | mV | 0587 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 236 | | F # | - | - |
| | mV | 0587 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 109 | | F # | - | - |
| | mV | 0587 | WL | 07/27/2005 | N001 | 18.00 -18.00 | 212 | | F # | - | - |
| | mV | 0587 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 209 | | F # | - | - |
| | mV | 0587 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 184 | | F # | - | - |
| | mV | 0587 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 81.7 | | F # | - | - |
| | mV | 0587 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 116 | | F # | - | - |
| | mV | 0587 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 218 | | F # | - | - |
| | mV | 0588 | WL | 08/18/2004 | N001 | 26.00 -26.00 | 133.1 | | F # | - | - |
| | mV | 0588 | WL | 08/18/2004 | N001 | 34.00 -34.00 | 172.7 | | F # | - | - |
| | mV | 0588 | WL | 11/03/2004 | N001 | 26.00 -26.00 | 56 | | F # | - | - |
| | mV | 0588 | WL | 12/17/2004 | N001 | 26.00 -26.00 | 54 | | F # | - | - |
| | mV | 0588 | WL | 01/28/2005 | N001 | 26.00 -26.00 | 65.9 | | F # | - | - |
| | mV | 0588 | WL | 02/25/2005 | N001 | 34.00 -34.00 | 92 | | F # | - | - |
| | mV | 0588 | WL | 02/25/2005 | N001 | 26.00 -26.00 | 93 | | F # | - | - |
| | mV | 0588 | WL | 03/16/2005 | N001 | 34.00 -34.00 | 183 | | F # | - | - |
| | mV | 0588 | WL | 03/16/2005 | N001 | 26.00 -26.00 | 165 | | F # | - | - |
| | mV | 0588 | WL | 04/27/2005 | N001 | 26.00 -26.00 | 127.5 | | F # | - | - |
| | mV | 0588 | WL | 04/27/2005 | N001 | 34.00 -34.00 | 135.1 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 230 | | F | # | - | - |
| | mV | 0588 | WL | 05/24/2005 | N001 | 34.00 - 34.00 | 244 | | F | # | - | - |
| | mV | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 90 | | F | # | - | - |
| | mV | 0588 | WL | 06/22/2005 | N001 | 26.00 - 26.00 | 99 | | F | # | - | - |
| | mV | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 117 | | F | # | - | - |
| | mV | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 148 | | F | # | - | - |
| | mV | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 168.2 | | F | # | - | - |
| | mV | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 174.5 | | F | # | - | - |
| | mV | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 74 | | F | # | - | - |
| | mV | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 124.8 | | F | # | - | - |
| | mV | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 84.9 | | F | # | - | - |
| | mV | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 189.0 | | F | # | - | - |
| | mV | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 82 | | F | # | - | - |
| | mV | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | -31.6 | | F | # | - | - |
| | mV | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 64.7 | | F | # | - | - |
| | mV | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 87.3 | | F | # | - | - |
| | mV | 0589 | WL | 08/18/2004 | N001 | 52.00 - 52.00 | 155.8 | | F | # | - | - |
| | mV | 0589 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 212.8 | | F | # | - | - |
| | mV | 0589 | WL | 11/03/2004 | N001 | 44.00 - 44.00 | 89 | | F | # | - | - |
| | mV | 0589 | WL | 12/17/2004 | N001 | 44.00 - 44.00 | 78 | | F | # | - | - |
| | mV | 0589 | WL | 01/28/2005 | N001 | 44.00 - 44.00 | 60.3 | | F | # | - | - |
| | mV | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 77.6 | | F | # | - | - |
| | mV | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 80.9 | | F | # | - | - |
| | mV | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 211 | | F | # | - | - |
| | mV | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 217 | | F | # | - | - |
| | mV | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 113.9 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 56.3 | | F # | - | - |
| | mV | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 64.5 | | F # | - | - |
| | mV | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 89.3 | | F # | - | - |
| | mV | 0589 | WL | 06/22/2005 | N001 | 52.00 - 52.00 | 100 | | F # | - | - |
| | mV | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 111 | | F # | - | - |
| | mV | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 78 | | F # | - | - |
| | mV | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 128 | | F # | - | - |
| | mV | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 139 | | F # | - | - |
| | mV | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 148 | | F # | - | - |
| | mV | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 169 | | F # | - | - |
| | mV | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 131 | | F # | - | - |
| | mV | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 36.3 | | F # | - | - |
| | mV | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 68.6 | | F # | - | - |
| | mV | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 119 | | F # | - | - |
| | mV | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | -128.0 | | F # | - | - |
| | mV | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 71.5 | | F # | - | - |
| | mV | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 97.2 | | F # | - | - |
| | mV | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 100.2 | | F # | - | - |
| | mV | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 179 | | F # | - | - |
| | mV | 0600 | WL | 12/09/2005 | N001 | 27.00 - 27.00 | 151 | | F # | - | - |
| | mV | 0601 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 152.8 | | F # | - | - |
| | mV | 0601 | WL | 12/09/2005 | N001 | 28.00 - 28.00 | 105 | | # | - | - |
| | mV | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 188.7 | | F # | - | - |
| | mV | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | -176.8 | | F # | - | - |
| | mV | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 176.2 | | F # | - | - |
| pH | s.u. | 0401 | WL | 05/06/2004 | N001 | 16.16 - 16.16 | 6.70 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0401 | WL | 08/11/2004 | N001 | 17.00 -17.00 | 6.73 | F | # | - | - |
| | s.u. | 0401 | WL | 10/15/2004 | N001 | 18.00 -18.00 | 7.51 | F | # | - | - |
| | s.u. | 0401 | WL | 11/01/2004 | N001 | 16.00 -16.00 | 8.02 | F | # | - | - |
| | s.u. | 0401 | WL | 11/03/2004 | N001 | 18.00 -18.00 | 8.28 | F | # | - | - |
| | s.u. | 0401 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 7.49 | F | # | - | - |
| | s.u. | 0401 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 7.71 | F | # | - | - |
| | s.u. | 0401 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 7.32 | F | # | - | - |
| | s.u. | 0401 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 7.44 | F | # | - | - |
| | s.u. | 0401 | WL | 04/20/2005 | N001 | 18.00 -18.00 | 7.74 | F | # | - | - |
| | s.u. | 0401 | WL | 05/26/2005 | N001 | 18.00 -18.00 | 6.98 | F | # | - | - |
| | s.u. | 0401 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 6.91 | F | # | - | - |
| | s.u. | 0401 | WL | 07/13/2005 | N001 | 18.00 -18.00 | 7.02 | F | # | - | - |
| | s.u. | 0401 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 6.94 | F | # | - | - |
| | s.u. | 0401 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 6.82 | F | # | - | - |
| | s.u. | 0401 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 6.90 | F | # | - | - |
| | s.u. | 0401 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 7.04 | F | # | - | - |
| | s.u. | 0401 | WL | 11/15/2005 | N001 | 18.00 -18.00 | 7.36 | F | # | - | - |
| | s.u. | 0401 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 7.51 | F | # | - | - |
| | s.u. | 0402 | WL | 05/05/2004 | N001 | 16.60 -16.60 | 6.63 | F | # | - | - |
| | s.u. | 0402 | WL | 08/12/2004 | N001 | 18.00 -18.00 | 6.70 | F | # | - | - |
| | s.u. | 0402 | WL | 10/15/2004 | N001 | 17.00 -17.00 | 6.88 | F | # | - | - |
| | s.u. | 0402 | WL | 10/28/2004 | N001 | 17.00 -17.00 | 6.86 | F | # | - | - |
| | s.u. | 0402 | WL | 11/02/2004 | N001 | 17.00 -17.00 | 7.26 | F | # | - | - |
| | s.u. | 0402 | WL | 12/16/2004 | N001 | 17.00 -17.00 | 7.37 | F | # | - | - |
| | s.u. | 0402 | WL | 01/28/2005 | N001 | 17.00 -17.00 | 7.69 | F | # | - | - |
| | s.u. | 0402 | WL | 02/24/2005 | N001 | 17.00 -17.00 | 7.36 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0402 | WL | 03/16/2005 | N001 | 17.00 -17.00 | 7.45 | | F # | - | - |
| | s.u. | 0402 | WL | 04/20/2005 | N001 | 17.00 -17.00 | 7.36 | | F # | - | - |
| | s.u. | 0402 | WL | 05/24/2005 | N001 | 17.00 -17.00 | 6.82 | | F # | - | - |
| | s.u. | 0402 | WL | 06/22/2005 | N001 | 17.00 -17.00 | 6.83 | | F # | - | - |
| | s.u. | 0402 | WL | 07/12/2005 | N001 | 17.00 -17.00 | 6.94 | | F # | - | - |
| | s.u. | 0402 | WL | 07/27/2005 | N001 | 17.00 -17.00 | 7.00 | | F # | - | - |
| | s.u. | 0402 | WL | 08/25/2005 | N001 | 17.00 -17.00 | 6.75 | | F # | - | - |
| | s.u. | 0402 | WL | 09/28/2005 | N001 | 17.00 -17.00 | 7.10 | | F # | - | - |
| | s.u. | 0402 | WL | 10/19/2005 | N001 | 17.00 -17.00 | 7.13 | | F # | - | - |
| | s.u. | 0402 | WL | 11/03/2005 | N001 | 16.40 -16.40 | 7.17 | | F # | - | - |
| | s.u. | 0402 | WL | 11/10/2005 | N001 | 17.00 -17.00 | 7.26 | | F # | - | - |
| | s.u. | 0402 | WL | 12/08/2005 | N001 | 17.00 -17.00 | 7.41 | | F # | - | - |
| | s.u. | 0408 | WL | 05/06/2004 | N001 | 26.20 -26.20 | 6.79 | | F # | - | - |
| | s.u. | 0408 | WL | 08/11/2004 | N001 | 26.00 -26.00 | 6.82 | | F # | - | - |
| | s.u. | 0408 | WL | 10/28/2004 | N001 | 25.00 -25.00 | 6.72 | | F # | - | - |
| | s.u. | 0408 | WL | 11/03/2004 | N001 | 26.00 -26.00 | 7.26 | | F # | - | - |
| | s.u. | 0408 | WL | 12/17/2004 | N001 | 26.00 -26.00 | 7.17 | | F # | - | - |
| | s.u. | 0408 | WL | 01/28/2005 | N001 | 26.00 -26.00 | 7.60 | | F # | - | - |
| | s.u. | 0408 | WL | 02/25/2005 | N001 | 28.00 -28.00 | 7.28 | | F # | - | - |
| | s.u. | 0408 | WL | 03/16/2005 | N001 | 26.00 -26.00 | 7.37 | | F # | - | - |
| | s.u. | 0408 | WL | 04/20/2005 | N001 | 26.00 -26.00 | 7.77 | | F # | - | - |
| | s.u. | 0408 | WL | 05/26/2005 | N001 | 26.00 -26.00 | 7.36 | | F # | - | - |
| | s.u. | 0408 | WL | 06/24/2005 | N001 | 26.00 -26.00 | 7.47 | | F # | - | - |
| | s.u. | 0408 | WL | 07/13/2005 | N001 | 26.00 -26.00 | 7.69 | | F # | - | - |
| | s.u. | 0408 | WL | 07/28/2005 | N001 | 26.00 -26.00 | 7.61 | | F # | - | - |
| | s.u. | 0408 | WL | 08/26/2005 | N001 | 26.00 -26.00 | 6.97 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0408 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 6.99 | | F # | - | - |
| | s.u. | 0408 | WL | 10/20/2005 | N001 | 26.00 - 26.00 | 6.93 | | F # | - | - |
| | s.u. | 0408 | WL | 11/15/2005 | N001 | 26.00 - 26.00 | 7.11 | | F # | - | - |
| | s.u. | 0408 | WL | 12/09/2005 | N001 | 26.00 - 26.00 | 7.20 | | F # | - | - |
| | s.u. | 0580 | WL | 09/03/2004 | N001 | 18.00 - 18.00 | 6.60 | | F # | - | - |
| | s.u. | 0580 | WL | 09/13/2004 | N001 | 18.00 - 18.00 | 6.75 | | F # | - | - |
| | s.u. | 0580 | WL | 10/05/2004 | N001 | 18.00 - 18.00 | 6.97 | | F # | - | - |
| | s.u. | 0580 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 7.02 | | F # | - | - |
| | s.u. | 0580 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.07 | | F # | - | - |
| | s.u. | 0580 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 7.34 | | # | - | - |
| | s.u. | 0580 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.03 | | F # | - | - |
| | s.u. | 0580 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.23 | | F # | - | - |
| | s.u. | 0580 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 7.30 | | F # | - | - |
| | s.u. | 0580 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 6.95 | | F # | - | - |
| | s.u. | 0580 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 7.03 | | F # | - | - |
| | s.u. | 0580 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.78 | | F # | - | - |
| | s.u. | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 6.74 | | F # | - | - |
| | s.u. | 0580 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 6.84 | | F # | - | - |
| | s.u. | 0580 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 6.79 | | F # | - | - |
| | s.u. | 0580 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 6.93 | | F # | - | - |
| | s.u. | 0580 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 7.03 | | F # | - | - |
| | s.u. | 0580 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 6.92 | | F # | - | - |
| | s.u. | 0580 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 7.00 | | F # | - | - |
| | s.u. | 0581 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.84 | | F # | - | - |
| | s.u. | 0581 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.10 | | F # | - | - |
| | s.u. | 0581 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.57 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0581 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.64 | | # | - | - |
| | s.u. | 0581 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 7.66 | F | # | - | - |
| | s.u. | 0581 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.56 | F | # | - | - |
| | s.u. | 0581 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 7.79 | F | # | - | - |
| | s.u. | 0581 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.91 | F | # | - | - |
| | s.u. | 0581 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 7.03 | F | # | - | - |
| | s.u. | 0581 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 7.14 | F | # | - | - |
| | s.u. | 0581 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 6.81 | F | # | - | - |
| | s.u. | 0581 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 6.95 | F | # | - | - |
| | s.u. | 0581 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.96 | F | # | - | - |
| | s.u. | 0581 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 7.11 | F | # | - | - |
| | s.u. | 0581 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 7.31 | F | # | - | - |
| | s.u. | 0582 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.82 | F | # | - | - |
| | s.u. | 0582 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 6.83 | F | # | - | - |
| | s.u. | 0582 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.23 | F | # | - | - |
| | s.u. | 0582 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.88 | F | # | - | - |
| | s.u. | 0582 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.91 | F | # | - | - |
| | s.u. | 0582 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 7.66 | F | # | - | - |
| | s.u. | 0582 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.72 | F | # | - | - |
| | s.u. | 0582 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 7.51 | F | # | - | - |
| | s.u. | 0582 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.81 | F | # | - | - |
| | s.u. | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 7.04 | F | # | - | - |
| | s.u. | 0582 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 7.56 | F | # | - | - |
| | s.u. | 0582 | WL | 08/25/2005 | N001 | 9.78 - 19.71 | 7.01 | F | # | - | - |
| | s.u. | 0582 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.36 | F | # | - | - |
| | s.u. | 0582 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 7.40 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0582 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 7.31 | | F # | - | - |
| | s.u. | 0582 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 7.54 | | F # | - | - |
| | s.u. | 0583 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.82 | | F # | - | - |
| | s.u. | 0583 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 6.76 | | F # | - | - |
| | s.u. | 0583 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.17 | | F # | - | - |
| | s.u. | 0583 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.33 | | F # | - | - |
| | s.u. | 0583 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.48 | | F # | - | - |
| | s.u. | 0583 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.21 | | F # | - | - |
| | s.u. | 0583 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.20 | | F # | - | - |
| | s.u. | 0583 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 7.61 | | F # | - | - |
| | s.u. | 0583 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.82 | | F # | - | - |
| | s.u. | 0583 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 7.03 | | F # | - | - |
| | s.u. | 0583 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 7.34 | | F # | - | - |
| | s.u. | 0583 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 6.99 | | F # | - | - |
| | s.u. | 0583 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.01 | | F # | - | - |
| | s.u. | 0583 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.88 | | F # | - | - |
| | s.u. | 0583 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 6.88 | | F # | - | - |
| | s.u. | 0583 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 6.92 | | F # | - | - |
| | s.u. | 0584 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.84 | | F # | - | - |
| | s.u. | 0584 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.01 | | F # | - | - |
| | s.u. | 0584 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 6.94 | | F # | - | - |
| | s.u. | 0584 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.48 | | F # | - | - |
| | s.u. | 0584 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.22 | | F # | - | - |
| | s.u. | 0584 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.25 | | F # | - | - |
| | s.u. | 0584 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 7.38 | | F # | - | - |
| | s.u. | 0584 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.80 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0584 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 6.92 | F | # | - | - |
| | s.u. | 0584 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 7.38 | F | # | - | - |
| | s.u. | 0584 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 7.07 | F | # | - | - |
| | s.u. | 0584 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.17 | F | # | - | - |
| | s.u. | 0584 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.86 | F | # | - | - |
| | s.u. | 0584 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 6.92 | F | # | - | - |
| | s.u. | 0584 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 7.04 | F | # | - | - |
| | s.u. | 0585 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.84 | F | # | - | - |
| | s.u. | 0585 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 7.12 | F | # | - | - |
| | s.u. | 0585 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 7.83 | F | # | - | - |
| | s.u. | 0585 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 7.47 | F | # | - | - |
| | s.u. | 0585 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.77 | F | # | - | - |
| | s.u. | 0585 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.35 | F | # | - | - |
| | s.u. | 0585 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.44 | F | # | - | - |
| | s.u. | 0585 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 7.44 | F | # | - | - |
| | s.u. | 0585 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.60 | F | # | - | - |
| | s.u. | 0585 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 7.10 | F | # | - | - |
| | s.u. | 0585 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 7.16 | F | # | - | - |
| | s.u. | 0585 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 6.86 | F | # | - | - |
| | s.u. | 0585 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.11 | F | # | - | - |
| | s.u. | 0585 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 7.05 | F | # | - | - |
| | s.u. | 0585 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 7.39 | F | # | - | - |
| | s.u. | 0585 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 7.55 | F | # | - | - |
| | s.u. | 0586 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.83 | F | # | - | - |
| | s.u. | 0586 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 7.43 | F | # | - | - |
| | s.u. | 0586 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 7.94 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0586 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 7.44 | | F | # | - | - |
| | s.u. | 0586 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.73 | | F | # | - | - |
| | s.u. | 0586 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.25 | | F | # | - | - |
| | s.u. | 0586 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.33 | | F | # | - | - |
| | s.u. | 0586 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 7.67 | | F | # | - | - |
| | s.u. | 0586 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 6.72 | | F | # | - | - |
| | s.u. | 0586 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 6.95 | | F | # | - | - |
| | s.u. | 0586 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 6.76 | | F | # | - | - |
| | s.u. | 0586 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 6.79 | | F | # | - | - |
| | s.u. | 0586 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 7.11 | | F | # | - | - |
| | s.u. | 0586 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 7.49 | | F | # | - | - |
| | s.u. | 0586 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 7.38 | | F | # | - | - |
| | s.u. | 0586 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 7.09 | | F | # | - | - |
| | s.u. | 0587 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 6.83 | | F | # | - | - |
| | s.u. | 0587 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 6.78 | | F | # | - | - |
| | s.u. | 0587 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.28 | | F | # | - | - |
| | s.u. | 0587 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 7.79 | | F | # | - | - |
| | s.u. | 0587 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.33 | | F | # | - | - |
| | s.u. | 0587 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 6.97 | | F | # | - | - |
| | s.u. | 0587 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 6.95 | | F | # | - | - |
| | s.u. | 0587 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 7.50 | | F | # | - | - |
| | s.u. | 0587 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6.80 | | F | # | - | - |
| | s.u. | 0587 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 6.91 | | F | # | - | - |
| | s.u. | 0587 | WL | 07/27/2005 | N001 | 18.00 - 18.00 | 6.89 | | F | # | - | - |
| | s.u. | 0587 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 6.72 | | F | # | - | - |
| | s.u. | 0587 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 6.98 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0587 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.97 | | F # | - | - |
| | s.u. | 0587 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 6.83 | | F # | - | - |
| | s.u. | 0587 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 6.88 | | F # | - | - |
| | s.u. | 0588 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 6.75 | | F # | - | - |
| | s.u. | 0588 | WL | 08/18/2004 | N001 | 34.00 - 34.00 | 6.75 | | F # | - | - |
| | s.u. | 0588 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 7.99 | | F # | - | - |
| | s.u. | 0588 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 7.56 | | F # | - | - |
| | s.u. | 0588 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 7.80 | | F # | - | - |
| | s.u. | 0588 | WL | 02/25/2005 | N001 | 34.00 - 34.00 | 7.36 | | F # | - | - |
| | s.u. | 0588 | WL | 02/25/2005 | N001 | 26.00 - 26.00 | 7.40 | | F # | - | - |
| | s.u. | 0588 | WL | 03/16/2005 | N001 | 34.00 - 34.00 | 7.44 | | F # | - | - |
| | s.u. | 0588 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 7.57 | | F # | - | - |
| | s.u. | 0588 | WL | 04/27/2005 | N001 | 26.00 - 26.00 | 7.83 | | F # | - | - |
| | s.u. | 0588 | WL | 04/27/2005 | N001 | 34.00 - 34.00 | 7.83 | | F # | - | - |
| | s.u. | 0588 | WL | 05/24/2005 | N001 | 34.00 - 34.00 | 7.22 | | F # | - | - |
| | s.u. | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 7.28 | | F # | - | - |
| | s.u. | 0588 | WL | 06/22/2005 | N001 | 26.00 - 26.00 | 7.43 | | F # | - | - |
| | s.u. | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 7.08 | | F # | - | - |
| | s.u. | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 7.62 | | F # | - | - |
| | s.u. | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 7.76 | | F # | - | - |
| | s.u. | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 7.33 | | F # | - | - |
| | s.u. | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 7.39 | | F # | - | - |
| | s.u. | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 7.04 | | F # | - | - |
| | s.u. | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 7.34 | | F # | - | - |
| | s.u. | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 7.81 | | F # | - | - |
| | s.u. | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 8.06 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 7.46 | | F | # | - | - |
| | s.u. | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 7.40 | | F | # | - | - |
| | s.u. | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 7.10 | | F | # | - | - |
| | s.u. | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 7.28 | | F | # | - | - |
| | s.u. | 0589 | WL | 08/18/2004 | N001 | 52.00 - 52.00 | 6.67 | | F | # | - | - |
| | s.u. | 0589 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 6.73 | | F | # | - | - |
| | s.u. | 0589 | WL | 11/03/2004 | N001 | 44.00 - 44.00 | 7.54 | | F | # | - | - |
| | s.u. | 0589 | WL | 12/17/2004 | N001 | 44.00 - 44.00 | 7.50 | | F | # | - | - |
| | s.u. | 0589 | WL | 01/28/2005 | N001 | 44.00 - 44.00 | 7.10 | | F | # | - | - |
| | s.u. | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 6.71 | | F | # | - | - |
| | s.u. | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 6.80 | | F | # | - | - |
| | s.u. | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 6.66 | | F | # | - | - |
| | s.u. | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 6.72 | | F | # | - | - |
| | s.u. | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 6.90 | | F | # | - | - |
| | s.u. | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 6.82 | | F | # | - | - |
| | s.u. | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 6.50 | | F | # | - | - |
| | s.u. | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 6.64 | | F | # | - | - |
| | s.u. | 0589 | WL | 06/22/2005 | N001 | 52.00 - 52.00 | 6.64 | | F | # | - | - |
| | s.u. | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 6.75 | | F | # | - | - |
| | s.u. | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 6.68 | | F | # | - | - |
| | s.u. | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 6.83 | | F | # | - | - |
| | s.u. | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 6.68 | | F | # | - | - |
| | s.u. | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 6.61 | | F | # | - | - |
| | s.u. | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 6.76 | | F | # | - | - |
| | s.u. | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 6.88 | | F | # | - | - |
| | s.u. | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 6.88 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 6.94 | | F | # | - | - |
| | s.u. | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 6.74 | | F | # | - | - |
| | s.u. | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 6.85 | | F | # | - | - |
| | s.u. | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 6.75 | | F | # | - | - |
| | s.u. | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 6.84 | | F | # | - | - |
| | s.u. | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.99 | | F | # | - | - |
| | s.u. | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 6.90 | | F | # | - | - |
| | s.u. | 0600 | WL | 12/09/2005 | N001 | 27.00 - 27.00 | 6.97 | | F | # | - | - |
| | s.u. | 0601 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 6.97 | | F | # | - | - |
| | s.u. | 0601 | WL | 11/15/2005 | N001 | 28.00 - 28.00 | 6.93 | | F | # | - | - |
| | s.u. | 0601 | WL | 12/09/2005 | N001 | 28.00 - 28.00 | 6.99 | | | # | - | - |
| | s.u. | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 8.13 | | F | # | - | - |
| | s.u. | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 7.81 | | F | # | - | - |
| | s.u. | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 8.33 | | F | # | - | - |
| Phosphorus | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.0962 | | JF | # | 0.0101 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.0356 | B | F | # | 0.0101 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.0891 | | F | # | 0.0101 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.131 | | JF | # | 0.0101 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 0.185 | | JF | # | 0.0101 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 0.0356 | B | F | # | 0.0101 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 0.0210 | B | F | # | 0.0101 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 0.107 | | F | # | 0.0101 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.150 | | JF | # | 0.0101 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.0392 | B | F | # | 0.0101 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.165 | | F | # | 0.0101 | - |
| Selenium | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.0102 | | F | # | 0.00057 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.0048 | B | F | # | 0.00057 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.0053 | | F | # | 0.00057 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 0.00057 | U | F | # | 0.00057 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.0104 | | F | # | 0.00057 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.0095 | | F | # | 0.00057 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.0102 | | F | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0401 | WL | 05/06/2004 | N001 | 16.16 - 16.16 | 17670 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 18241 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 4961 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 1901 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 1686 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 1530 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 1326 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 1290 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 1170 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 914 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 9311 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 6714 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 07/13/2005 | N001 | 18.00 - 18.00 | 5111 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 6364 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 5587 | | F | # | - | - |
| | umhos/cm | 0401 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 9404 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0401 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 6245 | | F # | - | - |
| | umhos/cm | 0401 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 1629 | | F # | - | - |
| | umhos/cm | 0401 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 1274 | | F # | - | - |
| | umhos/cm | 0402 | WL | 05/05/2004 | N001 | 16.60 - 16.60 | 18090 | | F # | - | - |
| | umhos/cm | 0402 | WL | 08/12/2004 | N001 | 18.00 - 18.00 | 18023 | | F # | - | - |
| | umhos/cm | 0402 | WL | 10/15/2004 | N001 | 17.00 - 17.00 | 12678 | | F # | - | - |
| | umhos/cm | 0402 | WL | 10/28/2004 | N001 | 17.00 - 17.00 | 5638 | | F # | - | - |
| | umhos/cm | 0402 | WL | 11/02/2004 | N001 | 17.00 - 17.00 | 4812 | | F # | - | - |
| | umhos/cm | 0402 | WL | 12/16/2004 | N001 | 17.00 - 17.00 | 1838 | | F # | - | - |
| | umhos/cm | 0402 | WL | 01/28/2005 | N001 | 17.00 - 17.00 | 2196 | | F # | - | - |
| | umhos/cm | 0402 | WL | 02/24/2005 | N001 | 17.00 - 17.00 | 2074 | | F # | - | - |
| | umhos/cm | 0402 | WL | 03/16/2005 | N001 | 17.00 - 17.00 | 1502 | | F # | - | - |
| | umhos/cm | 0402 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 3171 | | F # | - | - |
| | umhos/cm | 0402 | WL | 05/24/2005 | N001 | 17.00 - 17.00 | 4123 | | F # | - | - |
| | umhos/cm | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 7067 | | F # | - | - |
| | umhos/cm | 0402 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 5837 | | F # | - | - |
| | umhos/cm | 0402 | WL | 07/27/2005 | N001 | 17.00 - 17.00 | 5905 | | F # | - | - |
| | umhos/cm | 0402 | WL | 08/25/2005 | N001 | 17.00 - 17.00 | 5077 | | F # | - | - |
| | umhos/cm | 0402 | WL | 09/28/2005 | N001 | 17.00 - 17.00 | 5147 | | F # | - | - |
| | umhos/cm | 0402 | WL | 10/19/2005 | N001 | 17.00 - 17.00 | 5716 | | F # | - | - |
| | umhos/cm | 0402 | WL | 11/03/2005 | N001 | 16.40 - 16.40 | 2096 | | F # | - | - |
| | umhos/cm | 0402 | WL | 11/10/2005 | N001 | 17.00 - 17.00 | 1949 | | F # | - | - |
| | umhos/cm | 0402 | WL | 12/08/2005 | N001 | 17.00 - 17.00 | 1706 | | F # | - | - |
| | umhos/cm | 0408 | WL | 05/06/2004 | N001 | 26.20 - 26.20 | 24570 | | F # | - | - |
| | umhos/cm | 0408 | WL | 08/11/2004 | N001 | 26.00 - 26.00 | 25388 | | F # | - | - |
| | umhos/cm | 0408 | WL | 10/28/2004 | N001 | 25.00 - 25.00 | 15019 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0408 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 11710 | | F # | - | - |
| | umhos/cm | 0408 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 8380 | | F # | - | - |
| | umhos/cm | 0408 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 4559 | | F # | - | - |
| | umhos/cm | 0408 | WL | 02/25/2005 | N001 | 28.00 - 28.00 | 3079 | | F # | - | - |
| | umhos/cm | 0408 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 2189 | | F # | - | - |
| | umhos/cm | 0408 | WL | 04/20/2005 | N001 | 26.00 - 26.00 | 1557 | | F # | - | - |
| | umhos/cm | 0408 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 2037 | | F # | - | - |
| | umhos/cm | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 1399 | | F # | - | - |
| | umhos/cm | 0408 | WL | 07/13/2005 | N001 | 26.00 - 26.00 | 1648 | | F # | - | - |
| | umhos/cm | 0408 | WL | 07/28/2005 | N001 | 26.00 - 26.00 | 2581 | | F # | - | - |
| | umhos/cm | 0408 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 6304 | | F # | - | - |
| | umhos/cm | 0408 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 11190 | | F # | - | - |
| | umhos/cm | 0408 | WL | 10/20/2005 | N001 | 26.00 - 26.00 | 12234 | | F # | - | - |
| | umhos/cm | 0408 | WL | 11/15/2005 | N001 | 26.00 - 26.00 | 6375 | | F # | - | - |
| | umhos/cm | 0408 | WL | 12/09/2005 | N001 | 26.00 - 26.00 | 7117 | | F # | - | - |
| | umhos/cm | 0580 | WL | 09/03/2004 | N001 | 18.00 - 18.00 | 18440 | | F # | - | - |
| | umhos/cm | 0580 | WL | 09/13/2004 | N001 | 18.00 - 18.00 | 16893 | | F # | - | - |
| | umhos/cm | 0580 | WL | 10/05/2004 | N001 | 18.00 - 18.00 | 6340 | | F # | - | - |
| | umhos/cm | 0580 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 5933 | | F # | - | - |
| | umhos/cm | 0580 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 12451 | | F # | - | - |
| | umhos/cm | 0580 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 3925 | | # | - | - |
| | umhos/cm | 0580 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 3178 | | F # | - | - |
| | umhos/cm | 0580 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 2431 | | F # | - | - |
| | umhos/cm | 0580 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 2170 | | F # | - | - |
| | umhos/cm | 0580 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 2986 | | F # | - | - |
| | umhos/cm | 0580 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 5964 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0580 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 3178 | | F # | - | - |
| | umhos/cm | 0580 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 3165 | | F # | - | - |
| | umhos/cm | 0580 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 3155 | | F # | - | - |
| | umhos/cm | 0580 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 4658 | | F # | - | - |
| | umhos/cm | 0580 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 4125 | | F # | - | - |
| | umhos/cm | 0580 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 4088 | | F # | - | - |
| | umhos/cm | 0580 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 4131 | | F # | - | - |
| | umhos/cm | 0580 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 3812 | | F # | - | - |
| | umhos/cm | 0581 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 14744 | | F # | - | - |
| | umhos/cm | 0581 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 14545 | | F # | - | - |
| | umhos/cm | 0581 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 4828 | | F # | - | - |
| | umhos/cm | 0581 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 3521 | | # | - | - |
| | umhos/cm | 0581 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 3904 | | F # | - | - |
| | umhos/cm | 0581 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 3358 | | F # | - | - |
| | umhos/cm | 0581 | WL | 04/26/2005 | N001 | 18.00 -18.00 | 2994 | | F # | - | - |
| | umhos/cm | 0581 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 5726 | | F # | - | - |
| | umhos/cm | 0581 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 6593 | | F # | - | - |
| | umhos/cm | 0581 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 7221 | | F # | - | - |
| | umhos/cm | 0581 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 7032 | | F # | - | - |
| | umhos/cm | 0581 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 8458 | | F # | - | - |
| | umhos/cm | 0581 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 8196 | | F # | - | - |
| | umhos/cm | 0581 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 5282 | | F # | - | - |
| | umhos/cm | 0581 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 4389 | | F # | - | - |
| | umhos/cm | 0582 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 14832 | | F # | - | - |
| | umhos/cm | 0582 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 22723 | | F # | - | - |
| | umhos/cm | 0582 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 14360 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0582 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 2692 | | F # | - | - |
| | umhos/cm | 0582 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 210 | | F # | - | - |
| | umhos/cm | 0582 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 2456 | | F # | - | - |
| | umhos/cm | 0582 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 2595 | | F # | - | - |
| | umhos/cm | 0582 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 4497 | | F # | - | - |
| | umhos/cm | 0582 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 5095 | | F # | - | - |
| | umhos/cm | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 6412 | | F # | - | - |
| | umhos/cm | 0582 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 3830 | | F # | - | - |
| | umhos/cm | 0582 | WL | 08/25/2005 | N001 | 9.78 - 19.71 | 3829 | | F # | - | - |
| | umhos/cm | 0582 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 3046 | | F # | - | - |
| | umhos/cm | 0582 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 2898 | | F # | - | - |
| | umhos/cm | 0582 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 3045 | | F # | - | - |
| | umhos/cm | 0582 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 2223 | | F # | - | - |
| | umhos/cm | 0583 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 13728 | | F # | - | - |
| | umhos/cm | 0583 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 18548 | | F # | - | - |
| | umhos/cm | 0583 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 15155 | | F # | - | - |
| | umhos/cm | 0583 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 9280 | | F # | - | - |
| | umhos/cm | 0583 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 8815 | | F # | - | - |
| | umhos/cm | 0583 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7255 | | F # | - | - |
| | umhos/cm | 0583 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 6799 | | F # | - | - |
| | umhos/cm | 0583 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 5378 | | F # | - | - |
| | umhos/cm | 0583 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 6093 | | F # | - | - |
| | umhos/cm | 0583 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 8187 | | F # | - | - |
| | umhos/cm | 0583 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 5557 | | F # | - | - |
| | umhos/cm | 0583 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 6417 | | F # | - | - |
| | umhos/cm | 0583 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 11250 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0583 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 16091 | F # | - | - |
| | umhos/cm | 0583 | WL | 11/15/2005 | N001 | 18.00 -18.00 | 13310 | F # | - | - |
| | umhos/cm | 0583 | WL | 12/08/2005 | N001 | 18.00 -18.00 | 13780 | F # | - | - |
| | umhos/cm | 0584 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 14224 | F # | - | - |
| | umhos/cm | 0584 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 16906 | F # | - | - |
| | umhos/cm | 0584 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 10090 | F # | - | - |
| | umhos/cm | 0584 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 7399 | F # | - | - |
| | umhos/cm | 0584 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 5570 | F # | - | - |
| | umhos/cm | 0584 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 4897 | F # | - | - |
| | umhos/cm | 0584 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 5543 | F # | - | - |
| | umhos/cm | 0584 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 4530 | F # | - | - |
| | umhos/cm | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 13964 | F # | - | - |
| | umhos/cm | 0584 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 5605 | F # | - | - |
| | umhos/cm | 0584 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 5532 | F # | - | - |
| | umhos/cm | 0584 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 7642 | F # | - | - |
| | umhos/cm | 0584 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 10317 | F # | - | - |
| | umhos/cm | 0584 | WL | 11/15/2005 | N001 | 18.00 -18.00 | 13245 | F # | - | - |
| | umhos/cm | 0584 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 11700 | F # | - | - |
| | umhos/cm | 0585 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 13722 | F # | - | - |
| | umhos/cm | 0585 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 6620 | F # | - | - |
| | umhos/cm | 0585 | WL | 11/03/2004 | N001 | 18.00 -18.00 | 1942 | F # | - | - |
| | umhos/cm | 0585 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 1576 | F # | - | - |
| | umhos/cm | 0585 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 1474 | F # | - | - |
| | umhos/cm | 0585 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 1454 | F # | - | - |
| | umhos/cm | 0585 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 1318 | F # | - | - |
| | umhos/cm | 0585 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 4045 | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0585 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 4044 | F # | - | - |
| | umhos/cm | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 6213 | F # | - | - |
| | umhos/cm | 0585 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 4741 | F # | - | - |
| | umhos/cm | 0585 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 5584 | F # | - | - |
| | umhos/cm | 0585 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 5905 | F # | - | - |
| | umhos/cm | 0585 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 8082 | F # | - | - |
| | umhos/cm | 0585 | WL | 11/15/2005 | N001 | 18.00 -18.00 | 1665 | F # | - | - |
| | umhos/cm | 0585 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 2035 | F # | - | - |
| | umhos/cm | 0586 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 13374 | F # | - | - |
| | umhos/cm | 0586 | WL | 10/15/2004 | N001 | 18.00 -18.00 | 4111 | F # | - | - |
| | umhos/cm | 0586 | WL | 11/03/2004 | N001 | 18.00 -18.00 | 1769 | F # | - | - |
| | umhos/cm | 0586 | WL | 12/17/2004 | N001 | 18.00 -18.00 | 1378 | F # | - | - |
| | umhos/cm | 0586 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 1323 | F # | - | - |
| | umhos/cm | 0586 | WL | 02/25/2005 | N001 | 18.00 -18.00 | 1296 | F # | - | - |
| | umhos/cm | 0586 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 1177 | F # | - | - |
| | umhos/cm | 0586 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 910 | F # | - | - |
| | umhos/cm | 0586 | WL | 05/26/2005 | N001 | 18.00 -18.00 | 9279 | F # | - | - |
| | umhos/cm | 0586 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 5500 | F # | - | - |
| | umhos/cm | 0586 | WL | 07/28/2005 | N001 | 18.00 -18.00 | 10784 | F # | - | - |
| | umhos/cm | 0586 | WL | 08/26/2005 | N001 | 18.00 -18.00 | 5863 | F # | - | - |
| | umhos/cm | 0586 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 4801 | F # | - | - |
| | umhos/cm | 0586 | WL | 10/20/2005 | N001 | 18.00 -18.00 | 1666 | F # | - | - |
| | umhos/cm | 0586 | WL | 11/15/2005 | N001 | 18.00 -18.00 | 1417 | F # | - | - |
| | umhos/cm | 0586 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 4422 | F # | - | - |
| | umhos/cm | 0587 | WL | 09/23/2004 | N001 | 18.00 -18.00 | 13997 | F # | - | - |
| | umhos/cm | 0587 | WL | 10/14/2004 | N001 | 18.00 -18.00 | 15105 | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0587 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 5330 | F | # | - | - |
| | umhos/cm | 0587 | WL | 12/16/2004 | N001 | 18.00 -18.00 | 2110 | F | # | - | - |
| | umhos/cm | 0587 | WL | 01/28/2005 | N001 | 18.00 -18.00 | 140 | F | # | - | - |
| | umhos/cm | 0587 | WL | 02/24/2005 | N001 | 18.00 -18.00 | 3335 | F | # | - | - |
| | umhos/cm | 0587 | WL | 03/16/2005 | N001 | 18.00 -18.00 | 3442 | F | # | - | - |
| | umhos/cm | 0587 | WL | 04/27/2005 | N001 | 18.00 -18.00 | 4208 | F | # | - | - |
| | umhos/cm | 0587 | WL | 05/24/2005 | N001 | 18.00 -18.00 | 4165 | F | # | - | - |
| | umhos/cm | 0587 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 4651 | F | # | - | - |
| | umhos/cm | 0587 | WL | 07/27/2005 | N001 | 18.00 -18.00 | 5752 | F | # | - | - |
| | umhos/cm | 0587 | WL | 08/25/2005 | N001 | 18.00 -18.00 | 5108 | F | # | - | - |
| | umhos/cm | 0587 | WL | 09/28/2005 | N001 | 18.00 -18.00 | 4532 | F | # | - | - |
| | umhos/cm | 0587 | WL | 10/19/2005 | N001 | 18.00 -18.00 | 5187 | F | # | - | - |
| | umhos/cm | 0587 | WL | 11/10/2005 | N001 | 18.00 -18.00 | 4134 | F | # | - | - |
| | umhos/cm | 0587 | WL | 12/09/2005 | N001 | 18.00 -18.00 | 2799 | F | # | - | - |
| | umhos/cm | 0588 | WL | 08/18/2004 | N001 | 26.00 -26.00 | 53910 | F | # | - | - |
| | umhos/cm | 0588 | WL | 08/18/2004 | N001 | 34.00 -34.00 | 57740 | F | # | - | - |
| | umhos/cm | 0588 | WL | 11/03/2004 | N001 | 26.00 -26.00 | 1518 | F | # | - | - |
| | umhos/cm | 0588 | WL | 12/17/2004 | N001 | 26.00 -26.00 | 1376 | F | # | - | - |
| | umhos/cm | 0588 | WL | 01/28/2005 | N001 | 26.00 -26.00 | 1386 | F | # | - | - |
| | umhos/cm | 0588 | WL | 02/25/2005 | N001 | 26.00 -26.00 | 1864 | F | # | - | - |
| | umhos/cm | 0588 | WL | 02/25/2005 | N001 | 34.00 -34.00 | 1924 | F | # | - | - |
| | umhos/cm | 0588 | WL | 03/16/2005 | N001 | 26.00 -26.00 | 1958 | F | # | - | - |
| | umhos/cm | 0588 | WL | 03/16/2005 | N001 | 34.00 -34.00 | 2494 | F | # | - | - |
| | umhos/cm | 0588 | WL | 04/27/2005 | N001 | 26.00 -26.00 | 2141 | F | # | - | - |
| | umhos/cm | 0588 | WL | 04/27/2005 | N001 | 34.00 -34.00 | 4074 | F | # | - | - |
| | umhos/cm | 0588 | WL | 05/24/2005 | N001 | 34.00 -34.00 | 2496 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 2353 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 9838 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 06/22/2005 | N001 | 26.00 - 26.00 | 2789 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 2725 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 4887 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 1736 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 2598 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 4432 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 29470 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 6452 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 2271 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 4291 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 4928 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 31340 | | F | # | - | - |
| | umhos/cm | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 5254 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 08/18/2004 | N001 | 52.00 - 52.00 | 88481 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 75649 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 11/03/2004 | N001 | 44.00 - 44.00 | 27082 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 12/17/2004 | N001 | 44.00 - 44.00 | 13856 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 01/28/2005 | N001 | 44.00 - 44.00 | 55569 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 66381 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 93198 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 70950 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 98840 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 63573 | | F | # | - | - |
| | umhos/cm | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 91824 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 39810 | | F # | - | - |
| | umhos/cm | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 76430 | | F # | - | - |
| | umhos/cm | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 53449 | | F # | - | - |
| | umhos/cm | 0589 | WL | 06/22/2005 | N001 | 52.00 - 52.00 | 80656 | | F # | - | - |
| | umhos/cm | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 61052 | | F # | - | - |
| | umhos/cm | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 85222 | | F # | - | - |
| | umhos/cm | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 54353 | | F # | - | - |
| | umhos/cm | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 76858 | | F # | - | - |
| | umhos/cm | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 62730 | | F # | - | - |
| | umhos/cm | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 85270 | | F # | - | - |
| | umhos/cm | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 79244 | | F # | - | - |
| | umhos/cm | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 58331 | | F # | - | - |
| | umhos/cm | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 73080 | | F # | - | - |
| | umhos/cm | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 64597 | | F # | - | - |
| | umhos/cm | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 89870 | | F # | - | - |
| | umhos/cm | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 65039 | | F # | - | - |
| | umhos/cm | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 20946 | | F # | - | - |
| | umhos/cm | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 23570 | | F # | - | - |
| | umhos/cm | 0600 | WL | 12/09/2005 | N001 | 27.00 - 27.00 | 24470 | | F # | - | - |
| | umhos/cm | 0601 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 13933 | | F # | - | - |
| | umhos/cm | 0601 | WL | 11/15/2005 | N001 | 28.00 - 28.00 | 14364 | | F # | - | - |
| | umhos/cm | 0601 | WL | 12/09/2005 | N001 | 28.00 - 28.00 | 15770 | | # | - | - |
| | umhos/cm | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 2510 | | F # | - | - |
| | umhos/cm | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 3332 | | F # | - | - |
| | umhos/cm | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 3135 | | F # | - | - |
| Sulfate | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 - 16.16 | 7700 | | F # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 -17.00 | 7300 | | F # | 100 | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 1600 | | F # | 50 | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 -16.00 | 460 | | F # | 10 | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 400 | | F # | 10 | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 -18.00 | 170 | | F # | 5 | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 -18.00 | 3200 | | F # | 50 | - |
| | mg/L | 0401 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 2300 | | F # | 50 | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 -18.00 | 2100 | | F # | 25 | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 2100 | | F # | 25 | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1300 | | F # | 50 | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 -18.00 | 2300 | | F # | 50 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 460 | | F # | 10 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 -18.00 | 460 | | F # | 10 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 310 | | F # | 10 | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 -16.60 | 7800 | | F # | 250 | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 -18.00 | 7600 | | F # | 100 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 -17.00 | 4700 | | F # | 100 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0002 | 17.00 -17.00 | 4600 | | F # | 50 | - |
| | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 -17.00 | 1800 | | F # | 50 | - |
| | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 -17.00 | 1600 | | F # | 25 | - |
| | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 -17.00 | 540 | | F # | 10 | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 1000 | | F # | 25 | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 -17.00 | 1800 | | F # | 25 | - |
| | mg/L | 0402 | WL | 06/22/2005 | N001 | 17.00 -17.00 | 2500 | | F # | 50 | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 -17.00 | 2200 | | F # | 50 | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 -17.00 | 2400 | | F # | 25 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 - 17.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0002 | 17.00 - 17.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 - 17.00 | 2300 | | F | # | 50 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 - 16.40 | 630 | | F | # | 10 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 - 17.00 | 490 | | F | # | 10 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 - 17.00 | 470 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 - 26.20 | 12000 | | F | # | 250 | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 - 26.00 | 9300 | | F | # | 250 | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 - 25.00 | 6800 | | F | # | 100 | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 5600 | | F | # | 100 | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 - 26.00 | 4400 | | F | # | 50 | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 - 26.00 | 2200 | | F | # | 25 | - |
| | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 - 28.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 - 26.00 | 650 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 - 26.00 | 320 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 - 26.00 | 470 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 280 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 - 26.00 | 460 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0002 | 26.00 - 26.00 | 460 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 850 | | F | # | 10 | - |
| | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 2600 | | F | # | 25 | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 5900 | | F | # | 50 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 5700 | | F | # | 100 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 3100 | | F | # | 50 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 3100 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 7500 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 -18.00 | 8100 | | F | # | 100 | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 -18.00 | 2000 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 2200 | | F | # | 50 | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 4400 | | F | # | 100 | - |
| | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 880 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 730 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0002 | 18.00 -18.00 | 720 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 1100 | | F | # | 10 | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 2200 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 -18.00 | 1700 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1300 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 7900 | | F | # | 100 | - |
| | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 4700 | | F | # | 100 | - |
| | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 990 | | F | # | 10 | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 730 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 2000 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 2300 | | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 3500 | | F | # | 50 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 3400 | | F | # | 50 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1400 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 8100 | | F | # | 100 | - |
| | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 8100 | | F | # | 250 | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 3800 | | F | # | 100 | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 590 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 530 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 660 | | F | # | 10 | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0002 | 18.00 -18.00 | 1200 | N | F | # | 25 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 950 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1100 | | F | # | 25 | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 810 | | F | # | 25 | - |
| | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 7900 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 8400 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 5800 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 3200 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 4100 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 2900 | | F | # | 50 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 2400 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 2600 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 2300 | | F | # | 25 | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 4400 | | F | # | 50 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 7000 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 5600 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 5500 | | F | # | 100 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 -18.00 | 5600 | | F | # | 100 | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 8100 | | F | # | 100 | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 6400 | | F | # | 100 | - |
| | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 4400 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 3600 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 2300 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0002 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 4700 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 2100 | | F | # | 25 | - |
| | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 3200 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 4500 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 -18.00 | 4700 | | F | # | 50 | - |
| | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 5400 | | F | # | 100 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 5100 | | F | # | 100 | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 7700 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 2400 | | F | # | 50 | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 560 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 25 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 1900 | | F | # | 25 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 1900 | | F | # | 50 | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 2000 | | F | # | 25 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 3400 | | F | # | 50 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 480 | | F | # | 10 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 590 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 7600 | | F | # | 100 | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 1300 | | F | # | 50 | - |
| | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 460 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 190 | | F | # | 5 | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 -18.00 | 3200 | | F | # | 50 | - |
| | mg/L | 0586 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 4400 | | F | # | 50 | - |
| | mg/L | 0586 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 2000 | | F | # | 25 | - |
| | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 50 | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 -18.00 | 470 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 360 | | F | # | 10 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 1700 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 8000 | | F | # | 100 | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 5500 | | F | # | 100 | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 1300 | | F | # | 25 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 1300 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 1100 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 -18.00 | 2100 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 1500 | | F | # | 25 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 930 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 -34.00 | 9900 | | F | # | 250 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 -26.00 | 10000 | | F | # | 250 | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 -26.00 | 400 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 -34.00 | 360 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 -34.00 | 440 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 -34.00 | 880 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 -34.00 | 750 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 06/22/2005 | N001 | 34.00 -34.00 | 2500 | | F | # | 50 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 -34.00 | 1100 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0002 | 34.00 -34.00 | 1100 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 -34.00 | 580 | | F | # | 10 | - |
| | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 -34.00 | 8800 | | F | # | 250 | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 -34.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 -26.00 | 416 | | F | # | 12.2 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 -30.00 | 840 | | F | # | 25 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 -26.00 | 1030 | J | F | # | 6.1 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 -34.00 | 9400 | | F | # | 250 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 -26.00 | 1530 | | F | # | 61.2 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 -44.00 | 8800 | | F | # | 500 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 8300 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 5500 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 3800 | | F | # | 100 | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 9400 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 9300 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 9600 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 9800 | | F | # | 100 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 8800 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0002 | 44.00 - 44.00 | 8700 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 7100 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 8200 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 8800 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 7800 | | F | # | 250 | - |
| | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 9600 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 9500 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 11100 | | F | # | 612 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 14800 | | F | # | 612 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 - 48.00 | 9400 | | F | # | 500 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 17800 | J | F | # | 306 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 23600 | J | F | # | 306 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 8800 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 - 52.00 | 8600 | | F | # | 50 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 10700 | | F | # | 612 | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 9800 | | F | # | 100 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 11000 | | F | # | 100 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 11000 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 6600 | | F | # | 100 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 6600 | | F | # | 100 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 6500 | | F | # | 100 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 7400 | | | # | 100 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 580 | | F | # | 12.2 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 1040 | J | F | # | 6.1 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 948 | | F | # | 6.1 | - |
| Sulfide | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0589 | WL | 11/28/2005 | 0005 | 44.00 - 44.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0602 | WL | 11/28/2005 | 0005 | 18.00 - 18.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.01 | | F | # | 0.01 | - |
| Temperature | C | 0401 | WL | 05/06/2004 | N001 | 16.16 - 16.16 | 15.33 | | F | # | - | - |
| | C | 0401 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 19.74 | | F | # | - | - |
| | C | 0401 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 16.18 | | F | # | - | - |
| | C | 0401 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 15.82 | | F | # | - | - |
| | C | 0401 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 15.91 | | F | # | - | - |
| | C | 0401 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 7.53 | | F | # | - | - |
| | C | 0401 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 6.52 | | F | # | - | - |
| | C | 0401 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.53 | | F | # | - | - |
| | C | 0401 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 10.47 | | F | # | - | - |
| | C | 0401 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 10.69 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0401 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 14.66 | | F # | - | - |
| | C | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 14.43 | | F # | - | - |
| | C | 0401 | WL | 07/13/2005 | N001 | 18.00 - 18.00 | 17.57 | | F # | - | - |
| | C | 0401 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 16.91 | | F # | - | - |
| | C | 0401 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 18.63 | | F # | - | - |
| | C | 0401 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 17.97 | | F # | - | - |
| | C | 0401 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 16.95 | | F # | - | - |
| | C | 0401 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 14.44 | | F # | - | - |
| | C | 0401 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 11.19 | | F # | - | - |
| | C | 0402 | WL | 05/05/2004 | N001 | 16.60 - 16.60 | 17.37 | | F # | - | - |
| | C | 0402 | WL | 08/12/2004 | N001 | 18.00 - 18.00 | 17.11 | | F # | - | - |
| | C | 0402 | WL | 10/15/2004 | N001 | 17.00 - 17.00 | 15.11 | | F # | - | - |
| | C | 0402 | WL | 10/28/2004 | N001 | 17.00 - 17.00 | 15.72 | | F # | - | - |
| | C | 0402 | WL | 11/02/2004 | N001 | 17.00 - 17.00 | 15.36 | | F # | - | - |
| | C | 0402 | WL | 12/16/2004 | N001 | 17.00 - 17.00 | 9.02 | | F # | - | - |
| | C | 0402 | WL | 01/28/2005 | N001 | 17.00 - 17.00 | 9.41 | | F # | - | - |
| | C | 0402 | WL | 02/24/2005 | N001 | 17.00 - 17.00 | 9.04 | | F # | - | - |
| | C | 0402 | WL | 03/16/2005 | N001 | 17.00 - 17.00 | 8.70 | | F # | - | - |
| | C | 0402 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 10.37 | | F # | - | - |
| | C | 0402 | WL | 05/24/2005 | N001 | 17.00 - 17.00 | 12.24 | | F # | - | - |
| | C | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 14.8 | | F # | - | - |
| | C | 0402 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 15.25 | | F # | - | - |
| | C | 0402 | WL | 07/27/2005 | N001 | 17.00 - 17.00 | 17.63 | | F # | - | - |
| | C | 0402 | WL | 08/25/2005 | N001 | 17.00 - 17.00 | 17.20 | | F # | - | - |
| | C | 0402 | WL | 09/28/2005 | N001 | 17.00 - 17.00 | 17.68 | | F # | - | - |
| | C | 0402 | WL | 10/19/2005 | N001 | 17.00 - 17.00 | 18.28 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0402 | WL | 11/03/2005 | N001 | 16.40 -16.40 | 17.62 | | F # | - | - |
| | C | 0402 | WL | 11/10/2005 | N001 | 17.00 -17.00 | 17.5 | | F # | - | - |
| | C | 0402 | WL | 12/08/2005 | N001 | 17.00 -17.00 | 15.08 | | F # | - | - |
| | C | 0408 | WL | 05/06/2004 | N001 | 26.20 -26.20 | 16.78 | | F # | - | - |
| | C | 0408 | WL | 08/11/2004 | N001 | 26.00 -26.00 | 20.46 | | F # | - | - |
| | C | 0408 | WL | 10/28/2004 | N001 | 25.00 -25.00 | 14.92 | | F # | - | - |
| | C | 0408 | WL | 11/03/2004 | N001 | 26.00 -26.00 | 16.11 | | F # | - | - |
| | C | 0408 | WL | 12/17/2004 | N001 | 26.00 -26.00 | 11.33 | | F # | - | - |
| | C | 0408 | WL | 01/28/2005 | N001 | 26.00 -26.00 | 9.09 | | F # | - | - |
| | C | 0408 | WL | 02/25/2005 | N001 | 28.00 -28.00 | 9.17 | | F # | - | - |
| | C | 0408 | WL | 03/16/2005 | N001 | 26.00 -26.00 | 10.61 | | F # | - | - |
| | C | 0408 | WL | 04/20/2005 | N001 | 26.00 -26.00 | 10.54 | | F # | - | - |
| | C | 0408 | WL | 05/26/2005 | N001 | 26.00 -26.00 | 12.60 | | F # | - | - |
| | C | 0408 | WL | 06/24/2005 | N001 | 26.00 -26.00 | 13.78 | | F # | - | - |
| | C | 0408 | WL | 07/13/2005 | N001 | 26.00 -26.00 | 15.27 | | F # | - | - |
| | C | 0408 | WL | 07/28/2005 | N001 | 26.00 -26.00 | 15.70 | | F # | - | - |
| | C | 0408 | WL | 08/26/2005 | N001 | 26.00 -26.00 | 16.20 | | F # | - | - |
| | C | 0408 | WL | 09/28/2005 | N001 | 26.00 -26.00 | 15.64 | | F # | - | - |
| | C | 0408 | WL | 10/20/2005 | N001 | 26.00 -26.00 | 15.68 | | F # | - | - |
| | C | 0408 | WL | 11/15/2005 | N001 | 26.00 -26.00 | 13.40 | | F # | - | - |
| | C | 0408 | WL | 12/09/2005 | N001 | 26.00 -26.00 | 13.04 | | F # | - | - |
| | C | 0580 | WL | 09/03/2004 | N001 | 18.00 -18.00 | 19.60 | | F # | - | - |
| | C | 0580 | WL | 09/13/2004 | N001 | 18.00 -18.00 | 20.89 | | F # | - | - |
| | C | 0580 | WL | 10/05/2004 | N001 | 18.00 -18.00 | 19.98 | | F # | - | - |
| | C | 0580 | WL | 10/15/2004 | N001 | 18.00 -18.00 | 15.35 | | F # | - | - |
| | C | 0580 | WL | 11/02/2004 | N001 | 18.00 -18.00 | 17.05 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0580 | WL | 11/19/2004 | N001 | 18.00 - 18.00 | 15.36 | | # | - | - |
| | C | 0580 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 11.65 | F | # | - | - |
| | C | 0580 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 10.14 | F | # | - | - |
| | C | 0580 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 9.56 | F | # | - | - |
| | C | 0580 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 8.54 | F | # | - | - |
| | C | 0580 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 13.00 | F | # | - | - |
| | C | 0580 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 14.47 | F | # | - | - |
| | C | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 17.8 | F | # | - | - |
| | C | 0580 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 16.70 | F | # | - | - |
| | C | 0580 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 17.31 | F | # | - | - |
| | C | 0580 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 17.19 | F | # | - | - |
| | C | 0580 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.70 | F | # | - | - |
| | C | 0580 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 16.9 | F | # | - | - |
| | C | 0580 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 10.35 | F | # | - | - |
| | C | 0581 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 15.97 | F | # | - | - |
| | C | 0581 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 15.78 | F | # | - | - |
| | C | 0581 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 13.75 | F | # | - | - |
| | C | 0581 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 13.23 | | # | - | - |
| | C | 0581 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 12.74 | F | # | - | - |
| | C | 0581 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 11.38 | F | # | - | - |
| | C | 0581 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 12.09 | F | # | - | - |
| | C | 0581 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 13.53 | F | # | - | - |
| | C | 0581 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 14.9 | F | # | - | - |
| | C | 0581 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 15.51 | F | # | - | - |
| | C | 0581 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 17.21 | F | # | - | - |
| | C | 0581 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16.17 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0581 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.29 | F | # | - | - |
| | C | 0581 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 16.9 | F | # | - | - |
| | C | 0581 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 14.14 | F | # | - | - |
| | C | 0582 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 15.91 | F | # | - | - |
| | C | 0582 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 15.71 | F | # | - | - |
| | C | 0582 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 16.17 | F | # | - | - |
| | C | 0582 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 10.74 | F | # | - | - |
| | C | 0582 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 11.75 | F | # | - | - |
| | C | 0582 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 9.19 | F | # | - | - |
| | C | 0582 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 7.91 | F | # | - | - |
| | C | 0582 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 11.83 | F | # | - | - |
| | C | 0582 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 13.45 | F | # | - | - |
| | C | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 16.3 | F | # | - | - |
| | C | 0582 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 14.86 | F | # | - | - |
| | C | 0582 | WL | 08/25/2005 | N001 | 9.78 - 19.71 | 16.75 | F | # | - | - |
| | C | 0582 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16.57 | F | # | - | - |
| | C | 0582 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.43 | F | # | - | - |
| | C | 0582 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 17.3 | F | # | - | - |
| | C | 0582 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 14.41 | F | # | - | - |
| | C | 0583 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 16.35 | F | # | - | - |
| | C | 0583 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 16.61 | F | # | - | - |
| | C | 0583 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 15.60 | F | # | - | - |
| | C | 0583 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 14.62 | F | # | - | - |
| | C | 0583 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 14.28 | F | # | - | - |
| | C | 0583 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 13.95 | F | # | - | - |
| | C | 0583 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 14.04 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0583 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 11.89 | | F # | - | - |
| | C | 0583 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 14.48 | | F # | - | - |
| | C | 0583 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 14.8 | | F # | - | - |
| | C | 0583 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 16.35 | | F # | - | - |
| | C | 0583 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 16.09 | | F # | - | - |
| | C | 0583 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16.84 | | F # | - | - |
| | C | 0583 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.95 | | F # | - | - |
| | C | 0583 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 15.56 | | F # | - | - |
| | C | 0583 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 14.50 | | F # | - | - |
| | C | 0584 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 16.73 | | F # | - | - |
| | C | 0584 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 15.62 | | F # | - | - |
| | C | 0584 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 13.96 | | F # | - | - |
| | C | 0584 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 14.04 | | F # | - | - |
| | C | 0584 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 13.69 | | F # | - | - |
| | C | 0584 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 14.11 | | F # | - | - |
| | C | 0584 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 6.82 | | F # | - | - |
| | C | 0584 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 14.91 | | F # | - | - |
| | C | 0584 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 15.5 | | F # | - | - |
| | C | 0584 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 16.38 | | F # | - | - |
| | C | 0584 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 16.06 | | F # | - | - |
| | C | 0584 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 16.55 | | F # | - | - |
| | C | 0584 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.19 | | F # | - | - |
| | C | 0584 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 14.88 | | F # | - | - |
| | C | 0584 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 14.39 | | F # | - | - |
| | C | 0585 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 17.00 | | F # | - | - |
| | C | 0585 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 16.10 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0585 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 14.78 | | F # | - | - |
| | C | 0585 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 8.24 | | F # | - | - |
| | C | 0585 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 7.11 | | F # | - | - |
| | C | 0585 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.59 | | F # | - | - |
| | C | 0585 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 9.61 | | F # | - | - |
| | C | 0585 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 9.75 | | F # | - | - |
| | C | 0585 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 12.94 | | F # | - | - |
| | C | 0585 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 14.1 | | F # | - | - |
| | C | 0585 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 15.58 | | F # | - | - |
| | C | 0585 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 17.34 | | F # | - | - |
| | C | 0585 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 17.42 | | F # | - | - |
| | C | 0585 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.64 | | F # | - | - |
| | C | 0585 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 14.72 | | F # | - | - |
| | C | 0585 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 13.28 | | F # | - | - |
| | C | 0586 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 17.11 | | F # | - | - |
| | C | 0586 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 15.32 | | F # | - | - |
| | C | 0586 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 15.97 | | F # | - | - |
| | C | 0586 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 8.93 | | F # | - | - |
| | C | 0586 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 6.80 | | F # | - | - |
| | C | 0586 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 7.69 | | F # | - | - |
| | C | 0586 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 9.57 | | F # | - | - |
| | C | 0586 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 10.72 | | F # | - | - |
| | C | 0586 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 12.01 | | F # | - | - |
| | C | 0586 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 13.39 | | F # | - | - |
| | C | 0586 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 15.86 | | F # | - | - |
| | C | 0586 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 17.36 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0586 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 18.65 | | F # | - | - |
| | C | 0586 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 17.95 | | F # | - | - |
| | C | 0586 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 14.75 | | F # | - | - |
| | C | 0586 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 12.42 | | F # | - | - |
| | C | 0587 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 17.59 | | F # | - | - |
| | C | 0587 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 16.42 | | F # | - | - |
| | C | 0587 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 15.54 | | F # | - | - |
| | C | 0587 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 10.07 | | F # | - | - |
| | C | 0587 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 10.39 | | F # | - | - |
| | C | 0587 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 10.39 | | F # | - | - |
| | C | 0587 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 10.74 | | F # | - | - |
| | C | 0587 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 10.21 | | F # | - | - |
| | C | 0587 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 13.90 | | F # | - | - |
| | C | 0587 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 14.6 | | F # | - | - |
| | C | 0587 | WL | 07/27/2005 | N001 | 18.00 - 18.00 | 17.22 | | F # | - | - |
| | C | 0587 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 17.52 | | F # | - | - |
| | C | 0587 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 17.73 | | F # | - | - |
| | C | 0587 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 17.53 | | F # | - | - |
| | C | 0587 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 17.1 | | F # | - | - |
| | C | 0587 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 14.52 | | F # | - | - |
| | C | 0588 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 18.20 | | F # | - | - |
| | C | 0588 | WL | 08/18/2004 | N001 | 34.00 - 34.00 | 18.54 | | F # | - | - |
| | C | 0588 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 15.03 | | F # | - | - |
| | C | 0588 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 9.19 | | F # | - | - |
| | C | 0588 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 9.52 | | F # | - | - |
| | C | 0588 | WL | 02/25/2005 | N001 | 26.00 - 26.00 | 9.26 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0588 | WL | 02/25/2005 | N001 | 34.00 - 34.00 | 9.97 | | F # | - | - |
| | C | 0588 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 10.32 | | F # | - | - |
| | C | 0588 | WL | 03/16/2005 | N001 | 34.00 - 34.00 | 10.47 | | F # | - | - |
| | C | 0588 | WL | 04/27/2005 | N001 | 26.00 - 26.00 | 10.33 | | F # | - | - |
| | C | 0588 | WL | 04/27/2005 | N001 | 34.00 - 34.00 | 9.79 | | F # | - | - |
| | C | 0588 | WL | 05/24/2005 | N001 | 34.00 - 34.00 | 13.61 | | F # | - | - |
| | C | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 14.46 | | F # | - | - |
| | C | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 14.4 | | F # | - | - |
| | C | 0588 | WL | 06/22/2005 | N001 | 26.00 - 26.00 | 15.8 | | F # | - | - |
| | C | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 17.23 | | F # | - | - |
| | C | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 19.00 | | F # | - | - |
| | C | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 17.26 | | F # | - | - |
| | C | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 17.64 | | F # | - | - |
| | C | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 17.27 | | F # | - | - |
| | C | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 17.95 | | F # | - | - |
| | C | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 16.57 | | F # | - | - |
| | C | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 18.71 | | F # | - | - |
| | C | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 16.4 | | F # | - | - |
| | C | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 13.24 | | F # | - | - |
| | C | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 14.18 | | F # | - | - |
| | C | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 8.98 | | F # | - | - |
| | C | 0589 | WL | 08/18/2004 | N001 | 52.00 - 52.00 | 19.93 | | F # | - | - |
| | C | 0589 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 20.82 | | F # | - | - |
| | C | 0589 | WL | 11/03/2004 | N001 | 44.00 - 44.00 | 15.20 | | F # | - | - |
| | C | 0589 | WL | 12/17/2004 | N001 | 44.00 - 44.00 | 10.32 | | F # | - | - |
| | C | 0589 | WL | 01/28/2005 | N001 | 44.00 - 44.00 | 10.82 | | F # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 10.55 | | F # | - | - |
| | C | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 10.37 | | F # | - | - |
| | C | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 10.72 | | F # | - | - |
| | C | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 10.74 | | F # | - | - |
| | C | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 10.11 | | F # | - | - |
| | C | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 10.94 | | F # | - | - |
| | C | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 15.02 | | F # | - | - |
| | C | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 15.97 | | F # | - | - |
| | C | 0589 | WL | 06/22/2005 | N001 | 52.00 - 52.00 | 16.6 | | F # | - | - |
| | C | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 17.8 | | F # | - | - |
| | C | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 18.09 | | F # | - | - |
| | C | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 19.92 | | F # | - | - |
| | C | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 16.14 | | F # | - | - |
| | C | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 17.09 | | F # | - | - |
| | C | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 16.31 | | F # | - | - |
| | C | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 16.54 | | F # | - | - |
| | C | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 16.27 | | F # | - | - |
| | C | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 18.52 | | F # | - | - |
| | C | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 16.5 | | F # | - | - |
| | C | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 12.00 | | F # | - | - |
| | C | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 13.6 | | F # | - | - |
| | C | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 8.65 | | F # | - | - |
| | C | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 16.41 | | F # | - | - |
| | C | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 16.7 | | F # | - | - |
| | C | 0600 | WL | 12/09/2005 | N001 | 27.00 - 27.00 | 15.42 | | F # | - | - |
| | C | 0601 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 15.83 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0601 | WL | 11/15/2005 | N001 | 28.00 - 28.00 | 13.78 | | F | # | - | - |
| | C | 0601 | WL | 12/09/2005 | N001 | 28.00 - 28.00 | 13.97 | | | # | - | - |
| | C | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 18.07 | | F | # | - | - |
| | C | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 14.31 | | F | # | - | - |
| | C | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 8.85 | | F | # | - | - |
| Total Dissolved Solids | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 - 16.16 | 14000 | | F | # | 400 | - |
| | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 2900 | | F | # | 80 | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 840 | | F | # | 40 | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 760 | | F | # | 40 | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 500 | | F | # | 20 | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 7500 | | F | # | 200 | - |
| | mg/L | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 5500 | | F | # | 80 | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 - 18.00 | 4600 | | F | # | 80 | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 4600 | | F | # | 80 | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 7900 | | F | # | 200 | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 4300 | | JF | # | 200 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 - 18.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 810 | | F | # | 40 | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 - 16.60 | 14000 | | F | # | 400 | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 - 17.00 | 8800 | | F | # | 200 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0002 | 17.00 - 17.00 | 8600 | | F | # | 200 | - |
| | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 - 17.00 | 3500 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 - 17.00 | 3100 | | F | # | 80 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 - 17.00 | 1300 | | F | # | 40 | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 - 17.00 | 3300 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 5800 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 5000 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 - 17.00 | 5000 | | F | # | 200 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 - 17.00 | 4100 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0002 | 17.00 - 17.00 | 4000 | | F | # | 80 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 - 17.00 | 4400 | | F | # | 200 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 - 16.40 | 1300 | | F | # | 40 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 - 17.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 - 17.00 | 1000 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 - 26.20 | 20000 | | F | # | 400 | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 - 26.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 - 25.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 9200 | | F | # | 200 | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 - 26.00 | 6500 | | F | # | 200 | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 - 26.00 | 2900 | | F | # | 80 | - |
| | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 - 28.00 | 1600 | | F | # | 80 | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 - 26.00 | 920 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 - 26.00 | 690 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 - 26.00 | 860 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 590 | | F | # | 20 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 - 26.00 | 820 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0002 | 26.00 - 26.00 | 820 | | F | # | 40 | - |
| | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 1500 | | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 4500 | | F | # | 80 | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 8900 | | F | # | 200 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 9400 | | F | # | 400 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 4500 | | F | # | 200 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 4800 | | F | # | 200 | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 - 18.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 - 18.00 | 4400 | | F | # | 200 | - |
| | mg/L | 0580 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 4500 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 9700 | | F | # | 200 | - |
| | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0002 | 18.00 - 18.00 | 1500 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 2200 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 4600 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 2500 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 2400 | | F | # | 40 | - |
| | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 3000 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 3700 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 3200 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 3100 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 3100 | | F | # | 80 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 2700 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 9800 | | F | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 2600 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 2100 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 3600 | | F | # | 2000 | - |
| | mg/L | 0581 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 5000 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 6900 | | F | # | 200 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 6100 | | F | # | 200 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 3500 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 -18.00 | 3500 | | F | # | 80 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 2600 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 8000 | | F | # | 200 | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 1300 | | F | # | 40 | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 1000 | | F | # | 40 | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 -18.00 | 1300 | | F | # | 40 | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 3100 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 4200 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 4500 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 2500 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 2200 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0002 | 18.00 -18.00 | 2200 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 1800 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 2100 | | F | # | 80 | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1600 | | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 5700 | | F | # | 200 | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 5800 | | F | # | 200 | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 4300 | | F | # | 200 | - |
| | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 3300 | | F | # | 80 | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 3600 | | F | # | 80 | - |
| | mg/L | 0583 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 5900 | | F | # | 80 | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 3700 | | F | # | 80 | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 4200 | | F | # | 80 | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 8100 | | F | # | 200 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 -18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 7700 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 4800 | | F | # | 80 | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 3300 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 2800 | | F | # | 80 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 3200 | | F | # | 80 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0002 | 18.00 -18.00 | 3300 | | F | # | 80 | - |
| | mg/L | 0584 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 3900 | | F | # | 80 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 5500 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 7600 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 -18.00 | 7800 | | F | # | 200 | - |
| | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 8900 | | F | # | 400 | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 4300 | | F | # | 80 | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 2600 | | F | # | 80 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 4700 | | F | # | 80 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N002 | 18.00 -18.00 | 4700 | | F | # | 200 | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 3700 | | F | # | 80 | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 4300 | | F | # | 80 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 6300 | | F | # | 200 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 990 | | F | # | 40 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 -18.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 -18.00 | 2400 | | F | # | 80 | - |
| | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 -18.00 | 970 | | F | # | 40 | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 -18.00 | 520 | | F | # | 20 | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 -18.00 | 7100 | | F | # | 200 | - |
| | mg/L | 0586 | WL | 06/24/2005 | N001 | 18.00 -18.00 | 4100 | | F | # | 80 | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 9400 | | F | # | 200 | - |
| | mg/L | 0586 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 4300 | | F | # | 80 | - |
| | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 3500 | | F | # | 200 | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 -18.00 | 1000 | | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 830 | | F | # | 40 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 3400 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 3600 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 2400 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 2500 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 - 18.00 | 4800 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 3500 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 3600 | | F | # | 200 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 3200 | | F | # | 80 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 - 34.00 | 43000 | | F | # | 1000 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 40000 | | F | # | 1000 | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 920 | | F | # | 40 | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 - 34.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 - 34.00 | 1400 | | F | # | 40 | - |
| | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 - 34.00 | 2300 | | F | # | 80 | - |
| | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 - 34.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 6400 | | F | # | 200 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 - 34.00 | 3000 | | F | # | 80 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0002 | 34.00 - 34.00 | 3000 | | F | # | 80 | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 - 34.00 | 1500 | | F | # | 80 | - |
| | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 - 34.00 | 24000 | | F | # | 400 | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 - 34.00 | 3700 | | F | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 1010 | | F | # | 3.6 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 - 30.00 | 2500 | | F | # | 80 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 - 34.00 | 24000 | | F | # | 1000 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 3480 | | F | # | 3.6 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 59000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 71000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 42000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 49000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 67000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 49000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 46000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0002 | 44.00 - 44.00 | 46000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 29000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 40000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 45000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 41000 | | F | # | 1000 | - |
| | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 48000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 56000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 39500 | | F | # | 3.6 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 29600 | | F | # | 3.6 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 - 48.00 | 54000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 45200 | | F | # | 3.6 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 41700 | | F | # | 3.6 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 68000 | | F | # | 2000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 - 52.00 | 66000 | | F | # | 2000 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 47000 | | F | # | 3.6 | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 10000 | | F | # | 400 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 11000 | | | # | 400 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 1400 | | F | # | 3.6 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 1720 | | F | # | 3.6 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 1570 | | F | # | 3.6 | - |
| Total Inorganic Carbon | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 11.9 | | F | # | 2.2 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 84.2 | | JF | # | 11.1 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 19.6 | | F | # | 0.89 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 0.22 | U | F | # | 0.22 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 0.22 | U | F | # | 0.22 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 99.6 | | JF | # | 11.1 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 84.4 | | JF | # | 11.1 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 60.5 | | F | # | 4.4 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.22 | U | F | # | 0.22 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 71.0 | | JF | # | 11.1 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 68.6 | | F | # | 11.1 | - |
| Total Kjeldahl Nitrogen | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 47.0 | | F | # | 0.12 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 96.1 | | F | # | 6.1 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 47.0 | | F | # | 0.12 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Kjeldahl Nitrogen | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 1310 | | F | # | 0.12 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 1300 | | F | # | 0.12 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 1910 | | F | # | 1.2 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 1950 | | F | # | 1.2 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 1140 | | F | # | 0.24 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 113 | | F | # | 0.12 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 149 | | F | # | 0.12 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 164 | | F | # | 0.12 | - |
| Total Organic Carbon | mg/L | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 2470 | H | JF | # | 43 | - |
| | mg/L | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 2.8 | | F | # | 0.47 | - |
| | mg/L | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 3.3 | | JF | # | 0.47 | - |
| | mg/L | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 2600 | H | JF | # | 43 | - |
| | mg/L | 0589 | WL | 10/27/2005 | N003 | 44.00 - 44.00 | 3020 | H | JF | # | 43 | - |
| | mg/L | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 2.6 | | F | # | 0.47 | - |
| | mg/L | 0589 | WL | 11/29/2005 | N003 | 44.00 - 44.00 | 2.5 | | F | # | 0.47 | - |
| | mg/L | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 2.9 | | F | # | 0.47 | - |
| | mg/L | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 2940 | H | JF | # | 43 | - |
| | mg/L | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 3.2 | | F | # | 0.47 | - |
| | mg/L | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 2.6 | | JF | # | 0.47 | - |
| Turbidity | NTU | 0401 | WL | 05/06/2004 | N001 | 16.16 - 16.16 | 2.85 | | F | # | - | - |
| | NTU | 0401 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 1.31 | | F | # | - | - |
| | NTU | 0401 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 7.76 | | F | # | - | - |
| | NTU | 0401 | WL | 11/01/2004 | N001 | 16.00 - 16.00 | 3.52 | | F | # | - | - |
| | NTU | 0401 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 7.57 | | F | # | - | - |
| | NTU | 0401 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 54.7 | | F | # | - | - |
| | NTU | 0401 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 12.6 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0401 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 29.0 | | F # | - | - |
| | NTU | 0401 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 15.0 | | F # | - | - |
| | NTU | 0401 | WL | 04/20/2005 | N001 | 18.00 - 18.00 | 7.65 | | F # | - | - |
| | NTU | 0401 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 2.23 | | F # | - | - |
| | NTU | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 7.35 | | F # | - | - |
| | NTU | 0401 | WL | 07/13/2005 | N001 | 18.00 - 18.00 | 4.73 | | F # | - | - |
| | NTU | 0401 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 12.4 | | F # | - | - |
| | NTU | 0401 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 3.58 | | F # | - | - |
| | NTU | 0401 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 1.80 | | F # | - | - |
| | NTU | 0401 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 5.93 | | F # | - | - |
| | NTU | 0401 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 3.80 | | F # | - | - |
| | NTU | 0401 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 5.16 | | F # | - | - |
| | NTU | 0402 | WL | 05/05/2004 | N001 | 16.60 - 16.60 | 4.57 | | F # | - | - |
| | NTU | 0402 | WL | 08/12/2004 | N001 | 18.00 - 18.00 | 0.82 | | F # | - | - |
| | NTU | 0402 | WL | 10/15/2004 | N001 | 17.00 - 17.00 | 8.27 | | F # | - | - |
| | NTU | 0402 | WL | 10/28/2004 | N001 | 17.00 - 17.00 | 2.59 | | F # | - | - |
| | NTU | 0402 | WL | 11/02/2004 | N001 | 17.00 - 17.00 | 9.91 | | F # | - | - |
| | NTU | 0402 | WL | 12/16/2004 | N001 | 17.00 - 17.00 | 8.51 | | F # | - | - |
| | NTU | 0402 | WL | 01/28/2005 | N001 | 17.00 - 17.00 | 4.85 | | F # | - | - |
| | NTU | 0402 | WL | 02/24/2005 | N001 | 17.00 - 17.00 | 1.75 | | F # | - | - |
| | NTU | 0402 | WL | 03/16/2005 | N001 | 17.00 - 17.00 | 2.71 | | F # | - | - |
| | NTU | 0402 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 1.12 | | F # | - | - |
| | NTU | 0402 | WL | 05/24/2005 | N001 | 17.00 - 17.00 | 2.53 | | F # | - | - |
| | NTU | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 2.59 | | F # | - | - |
| | NTU | 0402 | WL | 07/12/2005 | N001 | 17.00 - 17.00 | 3.59 | | F # | - | - |
| | NTU | 0402 | WL | 07/27/2005 | N001 | 17.00 - 17.00 | 5.89 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0402 | WL | 08/25/2005 | N001 | 17.00 - 17.00 | 2.36 | | F # | - | - |
| | NTU | 0402 | WL | 09/28/2005 | N001 | 17.00 - 17.00 | 1.88 | | F # | - | - |
| | NTU | 0402 | WL | 10/19/2005 | N001 | 17.00 - 17.00 | 3.65 | | F # | - | - |
| | NTU | 0402 | WL | 11/03/2005 | N001 | 16.40 - 16.40 | 1.63 | | F # | - | - |
| | NTU | 0402 | WL | 11/10/2005 | N001 | 17.00 - 17.00 | 2.35 | | F # | - | - |
| | NTU | 0402 | WL | 12/08/2005 | N001 | 17.00 - 17.00 | 2.87 | | F # | - | - |
| | NTU | 0408 | WL | 05/06/2004 | N001 | 26.20 - 26.20 | 7.79 | | F # | - | - |
| | NTU | 0408 | WL | 08/11/2004 | N001 | 26.00 - 26.00 | 9.47 | | F # | - | - |
| | NTU | 0408 | WL | 10/28/2004 | N001 | 25.00 - 25.00 | 3.02 | | F # | - | - |
| | NTU | 0408 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 17.6 | | F # | - | - |
| | NTU | 0408 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 32.2 | | F # | - | - |
| | NTU | 0408 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 6.16 | | F # | - | - |
| | NTU | 0408 | WL | 02/25/2005 | N001 | 28.00 - 28.00 | 9.69 | | F # | - | - |
| | NTU | 0408 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 51.3 | | F # | - | - |
| | NTU | 0408 | WL | 04/20/2005 | N001 | 26.00 - 26.00 | 35.2 | | F # | - | - |
| | NTU | 0408 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 6.75 | | F # | - | - |
| | NTU | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 14.5 | | F # | - | - |
| | NTU | 0408 | WL | 07/13/2005 | N001 | 26.00 - 26.00 | 6.13 | | F # | - | - |
| | NTU | 0408 | WL | 07/28/2005 | N001 | 26.00 - 26.00 | 12.6 | | F # | - | - |
| | NTU | 0408 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 26.1 | | F # | - | - |
| | NTU | 0408 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 16.4 | | F # | - | - |
| | NTU | 0408 | WL | 10/20/2005 | N001 | 26.00 - 26.00 | 9.06 | | F # | - | - |
| | NTU | 0408 | WL | 11/15/2005 | N001 | 26.00 - 26.00 | 6.50 | | F # | - | - |
| | NTU | 0408 | WL | 12/09/2005 | N001 | 26.00 - 26.00 | 28.8 | | F # | - | - |
| | NTU | 0580 | WL | 09/03/2004 | N001 | 18.00 - 18.00 | 3.96 | | F # | - | - |
| | NTU | 0580 | WL | 09/13/2004 | N001 | 18.00 - 18.00 | 8.20 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0580 | WL | 10/05/2004 | N001 | 18.00 - 18.00 | 3.63 | F | # | - | - |
| | NTU | 0580 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 4.21 | F | # | - | - |
| | NTU | 0580 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 9.78 | F | # | - | - |
| | NTU | 0580 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 4.69 | F | # | - | - |
| | NTU | 0580 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 9.01 | F | # | - | - |
| | NTU | 0580 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 10.1 | F | # | - | - |
| | NTU | 0580 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 4.15 | F | # | - | - |
| | NTU | 0580 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 65.6 | F | # | - | - |
| | NTU | 0580 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 5.38 | F | # | - | - |
| | NTU | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 53.8 | F | # | - | - |
| | NTU | 0580 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 8.77 | F | # | - | - |
| | NTU | 0580 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 4.14 | F | # | - | - |
| | NTU | 0580 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 2.36 | F | # | - | - |
| | NTU | 0580 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 5.25 | F | # | - | - |
| | NTU | 0580 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 5.22 | F | # | - | - |
| | NTU | 0580 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 7.85 | F | # | - | - |
| | NTU | 0581 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 10.7 | F | # | - | - |
| | NTU | 0581 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 6.08 | F | # | - | - |
| | NTU | 0581 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 27.3 | F | # | - | - |
| | NTU | 0581 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 22.0 | | # | - | - |
| | NTU | 0581 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 24.0 | F | # | - | - |
| | NTU | 0581 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 5.47 | F | # | - | - |
| | NTU | 0581 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 96.4 | F | # | - | - |
| | NTU | 0581 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 27.0 | F | # | - | - |
| | NTU | 0581 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 15.3 | F | # | - | - |
| | NTU | 0581 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 53.2 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0581 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 23.5 | | F # | - | - |
| | NTU | 0581 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 22.8 | | F # | - | - |
| | NTU | 0581 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 9.4 | | F # | - | - |
| | NTU | 0581 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 9.16 | | F # | - | - |
| | NTU | 0581 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 7.41 | | F # | - | - |
| | NTU | 0582 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 15.4 | | F # | - | - |
| | NTU | 0582 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 8.14 | | F # | - | - |
| | NTU | 0582 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 7.70 | | F # | - | - |
| | NTU | 0582 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 4.19 | | F # | - | - |
| | NTU | 0582 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 9.02 | | F # | - | - |
| | NTU | 0582 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 10.3 | | F # | - | - |
| | NTU | 0582 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 22.8 | | F # | - | - |
| | NTU | 0582 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 8.57 | | F # | - | - |
| | NTU | 0582 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 4.21 | | F # | - | - |
| | NTU | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 9.09 | | F # | - | - |
| | NTU | 0582 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 8.65 | | F # | - | - |
| | NTU | 0582 | WL | 08/25/2005 | N001 | 9.78 - 19.71 | 4.85 | | F # | - | - |
| | NTU | 0582 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 4.24 | | F # | - | - |
| | NTU | 0582 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 677 | | F # | - | - |
| | NTU | 0582 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 5.09 | | F # | - | - |
| | NTU | 0582 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 9.03 | | F # | - | - |
| | NTU | 0583 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 20.9 | | F # | - | - |
| | NTU | 0583 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 8.62 | | F # | - | - |
| | NTU | 0583 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 31.0 | | F # | - | - |
| | NTU | 0583 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 8.46 | | F # | - | - |
| | NTU | 0583 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 10.6 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0583 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 19.0 | | F | # | - | - |
| | NTU | 0583 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 64.7 | | F | # | - | - |
| | NTU | 0583 | WL | 04/26/2005 | N001 | 18.00 - 18.00 | 27.8 | | F | # | - | - |
| | NTU | 0583 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 11.10 | | F | # | - | - |
| | NTU | 0583 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 14.7 | | F | # | - | - |
| | NTU | 0583 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 11.7 | | F | # | - | - |
| | NTU | 0583 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 3.87 | | F | # | - | - |
| | NTU | 0583 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 4.83 | | F | # | - | - |
| | NTU | 0583 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 5.37 | | F | # | - | - |
| | NTU | 0583 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 7.34 | | F | # | - | - |
| | NTU | 0583 | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 6.27 | | F | # | - | - |
| | NTU | 0584 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 19.6 | | F | # | - | - |
| | NTU | 0584 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 17.8 | | F | # | - | - |
| | NTU | 0584 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 116 | | F | # | - | - |
| | NTU | 0584 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 29.2 | | F | # | - | - |
| | NTU | 0584 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 21.1 | | F | # | - | - |
| | NTU | 0584 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 89.6 | | F | # | - | - |
| | NTU | 0584 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 170 | | F | # | - | - |
| | NTU | 0584 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 3.64 | | F | # | - | - |
| | NTU | 0584 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 104 | | F | # | - | - |
| | NTU | 0584 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 22.9 | | F | # | - | - |
| | NTU | 0584 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 10.2 | | F | # | - | - |
| | NTU | 0584 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 20.3 | | F | # | - | - |
| | NTU | 0584 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 6.49 | | F | # | - | - |
| | NTU | 0584 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 9.54 | | F | # | - | - |
| | NTU | 0584 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 9.57 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0585 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 5.83 | | F | # | - | - |
| | NTU | 0585 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 2.04 | | F | # | - | - |
| | NTU | 0585 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 1.46 | | F | # | - | - |
| | NTU | 0585 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 57.8 | | F | # | - | - |
| | NTU | 0585 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 3.23 | | F | # | - | - |
| | NTU | 0585 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 1.29 | | F | # | - | - |
| | NTU | 0585 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 3.17 | | F | # | - | - |
| | NTU | 0585 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 17.0 | | F | # | - | - |
| | NTU | 0585 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 11.1 | | F | # | - | - |
| | NTU | 0585 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 11.9 | | F | # | - | - |
| | NTU | 0585 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 1.58 | | F | # | - | - |
| | NTU | 0585 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 5.86 | | F | # | - | - |
| | NTU | 0585 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 11.6 | | F | # | - | - |
| | NTU | 0585 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 3.25 | | F | # | - | - |
| | NTU | 0585 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 4.29 | | F | # | - | - |
| | NTU | 0585 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 10.2 | | F | # | - | - |
| | NTU | 0586 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 53.5 | | F | # | - | - |
| | NTU | 0586 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 9.73 | | F | # | - | - |
| | NTU | 0586 | WL | 11/03/2004 | N001 | 18.00 - 18.00 | 2.44 | | F | # | - | - |
| | NTU | 0586 | WL | 12/17/2004 | N001 | 18.00 - 18.00 | 50.6 | | F | # | - | - |
| | NTU | 0586 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 1.10 | | F | # | - | - |
| | NTU | 0586 | WL | 02/25/2005 | N001 | 18.00 - 18.00 | 10.2 | | F | # | - | - |
| | NTU | 0586 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 2.63 | | F | # | - | - |
| | NTU | 0586 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 3.86 | | F | # | - | - |
| | NTU | 0586 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 1.90 | | F | # | - | - |
| | NTU | 0586 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 3.86 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0586 | WL | 07/28/2005 | N001 | 18.00 - 18.00 | 6.18 | | F # | - | - |
| | NTU | 0586 | WL | 08/26/2005 | N001 | 18.00 - 18.00 | 1.53 | | F # | - | - |
| | NTU | 0586 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 3.06 | | F # | - | - |
| | NTU | 0586 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 5.31 | | F # | - | - |
| | NTU | 0586 | WL | 11/15/2005 | N001 | 18.00 - 18.00 | 4.12 | | F # | - | - |
| | NTU | 0586 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 9.14 | | F # | - | - |
| | NTU | 0587 | WL | 09/23/2004 | N001 | 18.00 - 18.00 | 29.6 | | F # | - | - |
| | NTU | 0587 | WL | 10/14/2004 | N001 | 18.00 - 18.00 | 6.48 | | F # | - | - |
| | NTU | 0587 | WL | 11/02/2004 | N001 | 18.00 - 18.00 | 8.14 | | F # | - | - |
| | NTU | 0587 | WL | 12/16/2004 | N001 | 18.00 - 18.00 | 51.7 | | F # | - | - |
| | NTU | 0587 | WL | 01/28/2005 | N001 | 18.00 - 18.00 | 2.33 | | F # | - | - |
| | NTU | 0587 | WL | 02/24/2005 | N001 | 18.00 - 18.00 | 15.4 | | F # | - | - |
| | NTU | 0587 | WL | 03/16/2005 | N001 | 18.00 - 18.00 | 1.18 | | F # | - | - |
| | NTU | 0587 | WL | 04/27/2005 | N001 | 18.00 - 18.00 | 4.71 | | F # | - | - |
| | NTU | 0587 | WL | 05/24/2005 | N001 | 18.00 - 18.00 | 2.38 | | F # | - | - |
| | NTU | 0587 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 3.41 | | F # | - | - |
| | NTU | 0587 | WL | 07/27/2005 | N001 | 18.00 - 18.00 | 15.3 | | F # | - | - |
| | NTU | 0587 | WL | 08/25/2005 | N001 | 18.00 - 18.00 | 0.88 | | F # | - | - |
| | NTU | 0587 | WL | 09/28/2005 | N001 | 18.00 - 18.00 | 4.07 | | F # | - | - |
| | NTU | 0587 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 2.27 | | F # | - | - |
| | NTU | 0587 | WL | 11/10/2005 | N001 | 18.00 - 18.00 | 5.65 | | F # | - | - |
| | NTU | 0587 | WL | 12/09/2005 | N001 | 18.00 - 18.00 | 8.30 | | F # | - | - |
| | NTU | 0588 | WL | 08/18/2004 | N001 | 26.00 - 26.00 | 5.46 | | F # | - | - |
| | NTU | 0588 | WL | 08/18/2004 | N001 | 34.00 - 34.00 | 6.96 | | F # | - | - |
| | NTU | 0588 | WL | 11/03/2004 | N001 | 26.00 - 26.00 | 0.81 | | F # | - | - |
| | NTU | 0588 | WL | 12/17/2004 | N001 | 26.00 - 26.00 | 2.79 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0588 | WL | 01/28/2005 | N001 | 26.00 - 26.00 | 0.64 | | F | # | - | - |
| | NTU | 0588 | WL | 02/25/2005 | N001 | 34.00 - 34.00 | 1.13 | | F | # | - | - |
| | NTU | 0588 | WL | 02/25/2005 | N001 | 26.00 - 26.00 | 0.74 | | F | # | - | - |
| | NTU | 0588 | WL | 03/16/2005 | N001 | 34.00 - 34.00 | 0.46 | | F | # | - | - |
| | NTU | 0588 | WL | 03/16/2005 | N001 | 26.00 - 26.00 | 0.53 | | F | # | - | - |
| | NTU | 0588 | WL | 04/27/2005 | N001 | 26.00 - 26.00 | 0.57 | | F | # | - | - |
| | NTU | 0588 | WL | 04/27/2005 | N001 | 34.00 - 34.00 | 0.84 | | F | # | - | - |
| | NTU | 0588 | WL | 05/24/2005 | N001 | 34.00 - 34.00 | 1.73 | | F | # | - | - |
| | NTU | 0588 | WL | 05/24/2005 | N001 | 26.00 - 26.00 | 2.05 | | F | # | - | - |
| | NTU | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 0.65 | | F | # | - | - |
| | NTU | 0588 | WL | 06/22/2005 | N001 | 26.00 - 26.00 | 0.70 | | F | # | - | - |
| | NTU | 0588 | WL | 07/27/2005 | N001 | 34.00 - 34.00 | 3.75 | | F | # | - | - |
| | NTU | 0588 | WL | 07/27/2005 | N001 | 26.00 - 26.00 | 21.5 | | F | # | - | - |
| | NTU | 0588 | WL | 08/26/2005 | N001 | 34.00 - 34.00 | 0.42 | | F | # | - | - |
| | NTU | 0588 | WL | 08/26/2005 | N001 | 26.00 - 26.00 | 0.31 | | F | # | - | - |
| | NTU | 0588 | WL | 09/28/2005 | N001 | 26.00 - 26.00 | 1.01 | | F | # | - | - |
| | NTU | 0588 | WL | 09/28/2005 | N001 | 34.00 - 34.00 | 1.54 | | F | # | - | - |
| | NTU | 0588 | WL | 10/19/2005 | N001 | 34.00 - 34.00 | 1.94 | | F | # | - | - |
| | NTU | 0588 | WL | 10/27/2005 | N001 | 26.00 - 26.00 | 2.56 | | F | # | - | - |
| | NTU | 0588 | WL | 11/10/2005 | N001 | 30.00 - 30.00 | 1.70 | | F | # | - | - |
| | NTU | 0588 | WL | 11/28/2005 | N001 | 26.00 - 26.00 | 0.91 | | F | # | - | - |
| | NTU | 0588 | WL | 12/09/2005 | N001 | 34.00 - 34.00 | 4.25 | | F | # | - | - |
| | NTU | 0588 | WL | 12/16/2005 | N001 | 26.00 - 26.00 | 0.95 | | F | # | - | - |
| | NTU | 0589 | WL | 08/18/2004 | N001 | 52.00 - 52.00 | 7.00 | | F | # | - | - |
| | NTU | 0589 | WL | 08/18/2004 | N001 | 44.00 - 44.00 | 6.24 | | F | # | - | - |
| | NTU | 0589 | WL | 11/03/2004 | N001 | 44.00 - 44.00 | 1.21 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0589 | WL | 12/17/2004 | N001 | 44.00 - 44.00 | 1.88 | | F # | - | - |
| | NTU | 0589 | WL | 01/28/2005 | N001 | 44.00 - 44.00 | 2.45 | | F # | - | - |
| | NTU | 0589 | WL | 02/24/2005 | N001 | 44.00 - 44.00 | 1.01 | | F # | - | - |
| | NTU | 0589 | WL | 02/24/2005 | N001 | 52.00 - 52.00 | 1.98 | | F # | - | - |
| | NTU | 0589 | WL | 03/16/2005 | N001 | 44.00 - 44.00 | 5.34 | | F # | - | - |
| | NTU | 0589 | WL | 03/16/2005 | N001 | 52.00 - 52.00 | 18.5 | | F # | - | - |
| | NTU | 0589 | WL | 04/27/2005 | N001 | 44.00 - 44.00 | 4.51 | | F # | - | - |
| | NTU | 0589 | WL | 04/27/2005 | N001 | 52.00 - 52.00 | 10.6 | | F # | - | - |
| | NTU | 0589 | WL | 05/24/2005 | N001 | 44.00 - 44.00 | 3.39 | | F # | - | - |
| | NTU | 0589 | WL | 05/24/2005 | N001 | 52.00 - 52.00 | 5.37 | | F # | - | - |
| | NTU | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 3.01 | | F # | - | - |
| | NTU | 0589 | WL | 06/22/2005 | N001 | 52.00 - 52.00 | 7.47 | | F # | - | - |
| | NTU | 0589 | WL | 07/27/2005 | N001 | 44.00 - 44.00 | 3.93 | | F # | - | - |
| | NTU | 0589 | WL | 07/27/2005 | N001 | 52.00 - 52.00 | 12.4 | | F # | - | - |
| | NTU | 0589 | WL | 08/25/2005 | N001 | 44.00 - 44.00 | 0.88 | | F # | - | - |
| | NTU | 0589 | WL | 08/25/2005 | N001 | 52.00 - 52.00 | 11.6 | | F # | - | - |
| | NTU | 0589 | WL | 09/28/2005 | N001 | 44.00 - 44.00 | 2.42 | | F # | - | - |
| | NTU | 0589 | WL | 09/28/2005 | N001 | 52.00 - 52.00 | 9.93 | | F # | - | - |
| | NTU | 0589 | WL | 10/19/2005 | N001 | 52.00 - 52.00 | 10.0 | | F # | - | - |
| | NTU | 0589 | WL | 10/27/2005 | N001 | 44.00 - 44.00 | 1.72 | | F # | - | - |
| | NTU | 0589 | WL | 11/10/2005 | N001 | 48.00 - 48.00 | 2.17 | | F # | - | - |
| | NTU | 0589 | WL | 11/29/2005 | N001 | 44.00 - 44.00 | 1.54 | | F # | - | - |
| | NTU | 0589 | WL | 12/09/2005 | N001 | 52.00 - 52.00 | 13.4 | | F # | - | - |
| | NTU | 0589 | WL | 12/16/2005 | N001 | 44.00 - 44.00 | 1.84 | | F # | - | - |
| | NTU | 0600 | WL | 10/19/2005 | N001 | 18.00 - 18.00 | 2.24 | | F # | - | - |
| | NTU | 0600 | WL | 11/10/2005 | N001 | 28.00 - 28.00 | 9.26 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0600 | WL | 12/09/2005 | N001 | 27.00 - 27.00 | 7.74 | | F | # | - | - |
| | NTU | 0601 | WL | 10/20/2005 | N001 | 18.00 - 18.00 | 1.19 | | F | # | - | - |
| | NTU | 0601 | WL | 11/15/2005 | N001 | 28.00 - 28.00 | 9.92 | | F | # | - | - |
| | NTU | 0601 | WL | 12/09/2005 | N001 | 28.00 - 28.00 | 4.24 | | | # | - | - |
| | NTU | 0602 | WL | 10/27/2005 | N001 | 18.00 - 18.00 | 1.12 | | F | # | - | - |
| | NTU | 0602 | WL | 11/29/2005 | N001 | 18.00 - 18.00 | 0.79 | | F | # | - | - |
| | NTU | 0602 | WL | 12/16/2005 | N001 | 18.00 - 18.00 | 1.13 | | F | # | - | - |
| Uranium | mg/L | 0401 | WL | 05/06/2004 | 0001 | 16.16 - 16.16 | 2.100 | | F | # | 0.00069 | - |
| | mg/L | 0401 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0401 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 0.460 | | JF | # | 0.00083 | - |
| | mg/L | 0401 | WL | 11/01/2004 | 0001 | 16.00 - 16.00 | 0.140 | | F | # | 8.3E-05 | - |
| | mg/L | 0401 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 0.130 | | JF | # | 8.3E-05 | - |
| | mg/L | 0401 | WL | 04/20/2005 | 0001 | 18.00 - 18.00 | 0.018 | | F | # | 2.2E-06 | - |
| | mg/L | 0401 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 0.330 | | F | # | 2.2E-05 | - |
| | mg/L | 0401 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 0.340 | | F | # | 1.1E-05 | - |
| | mg/L | 0401 | WL | 07/13/2005 | 0001 | 18.00 - 18.00 | 0.420 | | F | # | 1.9E-05 | - |
| | mg/L | 0401 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 0.490 | | F | # | 0.00019 | - |
| | mg/L | 0401 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 1.300 | | F | # | 0.00024 | - |
| | mg/L | 0401 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 0.760 | | F | # | 0.00024 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 0.220 | | F | # | 4.8E-05 | - |
| | mg/L | 0401 | WL | 11/15/2005 | 0002 | 18.00 - 18.00 | 0.220 | | F | # | 4.8E-05 | - |
| | mg/L | 0401 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 0.082 | | F | # | 2.4E-05 | - |
| | mg/L | 0402 | WL | 05/05/2004 | 0001 | 16.60 - 16.60 | 2.600 | E | JF | # | 0.00069 | - |
| | mg/L | 0402 | WL | 08/12/2004 | 0001 | 18.00 - 18.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0001 | 17.00 - 17.00 | 1.300 | | JF | # | 0.00083 | - |
| | mg/L | 0402 | WL | 10/15/2004 | 0002 | 17.00 - 17.00 | 1.400 | | JF | # | 0.00083 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0402 | WL | 10/28/2004 | 0001 | 17.00 - 17.00 | 0.530 | | F | # | 0.00083 | - |
| | mg/L | 0402 | WL | 11/02/2004 | 0001 | 17.00 - 17.00 | 0.380 | | JF | # | 0.00083 | - |
| | mg/L | 0402 | WL | 12/16/2004 | 0001 | 17.00 - 17.00 | 0.095 | | F | # | 4.2E-05 | - |
| | mg/L | 0402 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 0.130 | | F | # | 1.1E-05 | - |
| | mg/L | 0402 | WL | 05/24/2005 | 0001 | 17.00 - 17.00 | 0.340 | | F | # | 1.1E-05 | - |
| | mg/L | 0402 | WL | 06/22/2005 | N001 | 17.00 - 17.00 | 0.640 | | F | # | 2.2E-05 | - |
| | mg/L | 0402 | WL | 07/12/2005 | 0001 | 17.00 - 17.00 | 0.880 | | F | # | 0.00019 | - |
| | mg/L | 0402 | WL | 07/27/2005 | 0001 | 17.00 - 17.00 | 0.680 | | F | # | 0.00019 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0001 | 17.00 - 17.00 | 0.720 | | F | # | 0.00019 | - |
| | mg/L | 0402 | WL | 08/25/2005 | 0002 | 17.00 - 17.00 | 0.730 | | F | # | 0.00019 | - |
| | mg/L | 0402 | WL | 10/19/2005 | 0001 | 17.00 - 17.00 | 0.730 | | F | # | 0.00024 | - |
| | mg/L | 0402 | WL | 11/03/2005 | 0001 | 16.40 - 16.40 | 0.260 | | F | # | 4.8E-05 | - |
| | mg/L | 0402 | WL | 11/10/2005 | 0001 | 17.00 - 17.00 | 0.140 | | F | # | 0.00024 | - |
| | mg/L | 0402 | WL | 12/08/2005 | 0001 | 17.00 - 17.00 | 0.120 | | F | # | 0.00024 | - |
| | mg/L | 0408 | WL | 05/06/2004 | 0001 | 26.20 - 26.20 | 2.800 | | F | # | 0.00069 | - |
| | mg/L | 0408 | WL | 08/11/2004 | 0001 | 26.00 - 26.00 | 2.800 | | F | # | 0.0012 | - |
| | mg/L | 0408 | WL | 10/28/2004 | 0001 | 25.00 - 25.00 | 1.300 | | F | # | 0.00083 | - |
| | mg/L | 0408 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 1.000 | | JF | # | 0.00083 | - |
| | mg/L | 0408 | WL | 12/17/2004 | 0001 | 26.00 - 26.00 | 0.590 | | F | # | 0.00083 | - |
| | mg/L | 0408 | WL | 01/28/2005 | 0001 | 26.00 - 26.00 | 0.240 | | F | # | 0.00011 | - |
| | mg/L | 0408 | WL | 02/25/2005 | 0001 | 28.00 - 28.00 | 0.220 | | F | # | 4.5E-05 | - |
| | mg/L | 0408 | WL | 03/16/2005 | 0001 | 26.00 - 26.00 | 0.170 | | F | # | 4.5E-05 | - |
| | mg/L | 0408 | WL | 04/20/2005 | 0001 | 26.00 - 26.00 | 0.120 | | F | # | 1.1E-05 | - |
| | mg/L | 0408 | WL | 05/26/2005 | 0001 | 26.00 - 26.00 | 0.140 | | F | # | 1.1E-05 | - |
| | mg/L | 0408 | WL | 06/24/2005 | N001 | 26.00 - 26.00 | 0.110 | | F | # | 1.1E-05 | - |
| | mg/L | 0408 | WL | 07/13/2005 | 0001 | 26.00 - 26.00 | 0.150 | | F | # | 1.9E-05 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0408 | WL | 07/13/2005 | 0002 | 26.00 - 26.00 | 0.150 | | F | # | 1.9E-05 | - |
| | mg/L | 0408 | WL | 07/28/2005 | 0001 | 26.00 - 26.00 | 0.160 | | F | # | 1.9E-05 | - |
| | mg/L | 0408 | WL | 08/26/2005 | 0001 | 26.00 - 26.00 | 0.650 | | F | # | 0.00019 | - |
| | mg/L | 0408 | WL | 09/28/2005 | 0001 | 26.00 - 26.00 | 1.200 | | F | # | 0.00024 | - |
| | mg/L | 0408 | WL | 10/20/2005 | 0001 | 26.00 - 26.00 | 1.400 | | F | # | 0.00048 | - |
| | mg/L | 0408 | WL | 11/15/2005 | 0001 | 26.00 - 26.00 | 0.650 | | F | # | 0.00024 | - |
| | mg/L | 0408 | WL | 12/09/2005 | 0001 | 26.00 - 26.00 | 0.680 | | F | # | 0.00024 | - |
| | mg/L | 0580 | WL | 09/03/2004 | 0001 | 18.00 - 18.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0580 | WL | 09/13/2004 | 0001 | 18.00 - 18.00 | 2.500 | | F | # | 0.0012 | - |
| | mg/L | 0580 | WL | 10/05/2004 | 0001 | 18.00 - 18.00 | 0.530 | | F | # | 8.3E-05 | - |
| | mg/L | 0580 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 0.550 | | JF | # | 8.3E-05 | - |
| | mg/L | 0580 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 1.200 | | JF | # | 0.00083 | - |
| | mg/L | 0580 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 0.470 | | F | # | 4.2E-05 | - |
| | mg/L | 0580 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 0.210 | | F | # | 0.00011 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 0.130 | | F | # | 4.5E-05 | - |
| | mg/L | 0580 | WL | 02/24/2005 | 0002 | 18.00 - 18.00 | 0.130 | | F | # | 4.5E-05 | - |
| | mg/L | 0580 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 0.230 | | F | # | 0.00046 | - |
| | mg/L | 0580 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 0.540 | | F | # | 2.2E-05 | - |
| | mg/L | 0580 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 0.570 | | F | # | 2.2E-05 | - |
| | mg/L | 0580 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 0.470 | | F | # | 0.00011 | - |
| | mg/L | 0580 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 0.580 | | F | # | 0.00019 | - |
| | mg/L | 0580 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 0.510 | | F | # | 0.00019 | - |
| | mg/L | 0580 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 0.480 | | F | # | 4.8E-05 | - |
| | mg/L | 0580 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 0.490 | | F | # | 9.5E-05 | - |
| | mg/L | 0580 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 0.370 | | F | # | 0.00024 | - |
| | mg/L | 0580 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 0.320 | | F | # | 0.00024 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0581 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2.500 | | F | # | 0.0012 | - |
| | mg/L | 0581 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 1.500 | | JF | # | 0.00083 | - |
| | mg/L | 0581 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 0.400 | | F | # | 4.2E-05 | - |
| | mg/L | 0581 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 0.410 | | F | # | 4.5E-05 | - |
| | mg/L | 0581 | WL | 03/16/2005 | 0001 | 18.00 - 18.00 | 0.330 | | F | # | 4.5E-05 | - |
| | mg/L | 0581 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 0.220 | | F | # | 2.2E-05 | - |
| | mg/L | 0581 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 0.400 | | F | # | 1.1E-05 | - |
| | mg/L | 0581 | WL | 06/22/2005 | N002 | 18.00 - 18.00 | 0.700 | | F | # | 0.00011 | - |
| | mg/L | 0581 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 1.100 | | F | # | 0.00024 | - |
| | mg/L | 0581 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 1.100 | | F | # | 0.00024 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 0.560 | | F | # | 0.00024 | - |
| | mg/L | 0581 | WL | 11/10/2005 | 0002 | 18.00 - 18.00 | 0.590 | | F | # | 0.00024 | - |
| | mg/L | 0581 | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 0.400 | | F | # | 0.00024 | - |
| | mg/L | 0582 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2.300 | | F | # | 0.0012 | - |
| | mg/L | 0582 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 2.300 | | JF | # | 0.00083 | - |
| | mg/L | 0582 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 1.100 | | JF | # | 0.00083 | - |
| | mg/L | 0582 | WL | 12/16/2004 | 0001 | 18.00 - 18.00 | 0.190 | | F | # | 4.2E-05 | - |
| | mg/L | 0582 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 0.160 | | F | # | 0.00011 | - |
| | mg/L | 0582 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 0.170 | | F | # | 4.5E-05 | - |
| | mg/L | 0582 | WL | 04/26/2005 | 0001 | 18.00 - 18.00 | 0.320 | | F | # | 2.2E-05 | - |
| | mg/L | 0582 | WL | 05/24/2005 | 0001 | 18.00 - 18.00 | 0.490 | | F | # | 2.2E-05 | - |
| | mg/L | 0582 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 0.480 | | F | # | 0.00011 | - |
| | mg/L | 0582 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 0.270 | | F | # | 1.9E-05 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 0.330 | | F | # | 2.4E-05 | - |
| | mg/L | 0582 | WL | 09/28/2005 | 0002 | 18.00 - 18.00 | 0.350 | | F | # | 2.4E-05 | - |
| | mg/L | 0582 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 0.350 | | F | # | 0.00024 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0582 | WL | 11/10/2005 | 0001 | 18.00 -18.00 | 0.300 | | F | # | 0.00024 | - |
| | mg/L | 0582 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 0.200 | | F | # | 0.00024 | - |
| | mg/L | 0583 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0583 | WL | 10/14/2004 | 0001 | 18.00 -18.00 | 2.600 | E | JF | # | 0.00083 | - |
| | mg/L | 0583 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 1.800 | | JF | # | 0.00083 | - |
| | mg/L | 0583 | WL | 12/16/2004 | 0001 | 18.00 -18.00 | 0.910 | | F | # | 0.00083 | - |
| | mg/L | 0583 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 0.900 | | F | # | 0.00046 | - |
| | mg/L | 0583 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 0.690 | | F | # | 0.00046 | - |
| | mg/L | 0583 | WL | 04/26/2005 | 0001 | 18.00 -18.00 | 0.860 | | F | # | 0.00022 | - |
| | mg/L | 0583 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 0.840 | | F | # | 0.00011 | - |
| | mg/L | 0583 | WL | 06/22/2005 | N001 | 18.00 -18.00 | 1.200 | | F | # | 0.00011 | - |
| | mg/L | 0583 | WL | 07/28/2005 | 0001 | 18.00 -18.00 | 0.500 | | F | # | 0.00019 | - |
| | mg/L | 0583 | WL | 08/26/2005 | 0001 | 18.00 -18.00 | 0.630 | | F | # | 0.00019 | - |
| | mg/L | 0583 | WL | 09/28/2005 | 0001 | 18.00 -18.00 | 1.300 | | F | # | 0.00024 | - |
| | mg/L | 0583 | WL | 10/19/2005 | 0001 | 18.00 -18.00 | 2.500 | | F | # | 0.00048 | - |
| | mg/L | 0583 | WL | 11/15/2005 | 0001 | 18.00 -18.00 | 1.900 | | F | # | 0.00024 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0001 | 18.00 -18.00 | 1.800 | | F | # | 0.00024 | - |
| | mg/L | 0583 | WL | 12/08/2005 | 0002 | 18.00 -18.00 | 1.800 | | F | # | 0.00024 | - |
| | mg/L | 0584 | WL | 09/23/2004 | 0001 | 18.00 -18.00 | 2.500 | | F | # | 0.0012 | - |
| | mg/L | 0584 | WL | 11/02/2004 | 0001 | 18.00 -18.00 | 2.000 | | JF | # | 0.00083 | - |
| | mg/L | 0584 | WL | 12/17/2004 | 0001 | 18.00 -18.00 | 1.300 | | F | # | 0.00083 | - |
| | mg/L | 0584 | WL | 01/28/2005 | 0001 | 18.00 -18.00 | 0.750 | | F | # | 0.00011 | - |
| | mg/L | 0584 | WL | 02/25/2005 | 0001 | 18.00 -18.00 | 0.510 | | F | # | 4.5E-05 | - |
| | mg/L | 0584 | WL | 03/16/2005 | 0001 | 18.00 -18.00 | 0.320 | | F | # | 0.00046 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0001 | 18.00 -18.00 | 0.500 | | F | # | 2.2E-05 | - |
| | mg/L | 0584 | WL | 05/24/2005 | 0002 | 18.00 -18.00 | 0.500 | | F | # | 2.2E-05 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0584 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 2.600 | | F | # | 0.00022 | - |
| | mg/L | 0584 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 0.660 | | F | # | 0.00019 | - |
| | mg/L | 0584 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 0.820 | | F | # | 4.8E-05 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 1.200 | | F | # | 0.00024 | - |
| | mg/L | 0584 | WL | 10/19/2005 | 0002 | 18.00 - 18.00 | 1.300 | | F | # | 0.00048 | - |
| | mg/L | 0584 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 1.800 | | F | # | 0.00024 | - |
| | mg/L | 0584 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 1.300 | | F | # | 0.00024 | - |
| | mg/L | 0585 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2.300 | | F | # | 0.0012 | - |
| | mg/L | 0585 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 0.620 | | JF | # | 0.00083 | - |
| | mg/L | 0585 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 0.130 | | JF | # | 8.3E-05 | - |
| | mg/L | 0585 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 0.170 | | F | # | 2.2E-05 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N001 | 18.00 - 18.00 | 0.400 | | F | # | 1.1E-05 | - |
| | mg/L | 0585 | WL | 06/22/2005 | N002 | 18.00 - 18.00 | 0.420 | | F | # | 0.00011 | - |
| | mg/L | 0585 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 0.490 | | F | # | 0.00019 | - |
| | mg/L | 0585 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 0.510 | | F | # | 0.00019 | - |
| | mg/L | 0585 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 0.980 | | F | # | 0.00024 | - |
| | mg/L | 0585 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 0.140 | | F | # | 2.4E-05 | - |
| | mg/L | 0585 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 0.140 | | F | # | 0.00024 | - |
| | mg/L | 0586 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0586 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 0.360 | | JF | # | 8.3E-05 | - |
| | mg/L | 0586 | WL | 11/03/2004 | 0001 | 18.00 - 18.00 | 0.130 | | JF | # | 8.3E-05 | - |
| | mg/L | 0586 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 0.036 | | F | # | 2.2E-06 | - |
| | mg/L | 0586 | WL | 05/26/2005 | 0001 | 18.00 - 18.00 | 1.200 | | F | # | 0.00011 | - |
| | mg/L | 0586 | WL | 06/24/2005 | N001 | 18.00 - 18.00 | 0.460 | | F | # | 0.00011 | - |
| | mg/L | 0586 | WL | 07/28/2005 | 0001 | 18.00 - 18.00 | 1.300 | | F | # | 0.00038 | - |
| | mg/L | 0586 | WL | 08/26/2005 | 0001 | 18.00 - 18.00 | 0.650 | | F | # | 0.00019 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0586 | WL | 09/28/2005 | 0001 | 18.00 - 18.00 | 0.510 | | F | # | 4.8E-05 | - |
| | mg/L | 0586 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 0.160 | | F | # | 9.5E-05 | - |
| | mg/L | 0586 | WL | 11/15/2005 | 0001 | 18.00 - 18.00 | 0.120 | | F | # | 4.8E-05 | - |
| | mg/L | 0586 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 0.380 | | F | # | 0.00024 | - |
| | mg/L | 0587 | WL | 09/23/2004 | 0001 | 18.00 - 18.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0587 | WL | 10/14/2004 | 0001 | 18.00 - 18.00 | 1.700 | E | JF | # | 0.00083 | - |
| | mg/L | 0587 | WL | 11/02/2004 | 0001 | 18.00 - 18.00 | 0.550 | | JF | # | 0.00083 | - |
| | mg/L | 0587 | WL | 01/28/2005 | 0001 | 18.00 - 18.00 | 0.290 | | F | # | 0.00046 | - |
| | mg/L | 0587 | WL | 02/24/2005 | 0001 | 18.00 - 18.00 | 0.480 | | F | # | 4.5E-05 | - |
| | mg/L | 0587 | WL | 04/27/2005 | 0001 | 18.00 - 18.00 | 0.240 | | F | # | 2.2E-05 | - |
| | mg/L | 0587 | WL | 07/27/2005 | 0001 | 18.00 - 18.00 | 0.800 | | F | # | 0.00019 | - |
| | mg/L | 0587 | WL | 08/25/2005 | 0001 | 18.00 - 18.00 | 0.990 | | F | # | 0.00019 | - |
| | mg/L | 0587 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 0.650 | | F | # | 0.00024 | - |
| | mg/L | 0587 | WL | 11/10/2005 | 0001 | 18.00 - 18.00 | 0.560 | | F | # | 0.00024 | - |
| | mg/L | 0587 | WL | 12/09/2005 | 0001 | 18.00 - 18.00 | 0.360 | | F | # | 0.00024 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 34.00 - 34.00 | 2.600 | | F | # | 0.0012 | - |
| | mg/L | 0588 | WL | 08/18/2004 | 0001 | 26.00 - 26.00 | 2.800 | | F | # | 0.0012 | - |
| | mg/L | 0588 | WL | 11/03/2004 | 0001 | 26.00 - 26.00 | 0.026 | | JF | # | 8.3E-05 | - |
| | mg/L | 0588 | WL | 02/25/2005 | 0001 | 34.00 - 34.00 | 0.018 | | F | # | 4.6E-06 | - |
| | mg/L | 0588 | WL | 03/16/2005 | 0001 | 34.00 - 34.00 | 0.053 | | F | # | 4.5E-05 | - |
| | mg/L | 0588 | WL | 04/27/2005 | 0001 | 34.00 - 34.00 | 0.089 | | F | # | 2.2E-05 | - |
| | mg/L | 0588 | WL | 05/24/2005 | 0001 | 34.00 - 34.00 | 0.093 | | F | # | 1.1E-05 | - |
| | mg/L | 0588 | WL | 06/22/2005 | N001 | 34.00 - 34.00 | 0.260 | | F | # | 1.1E-05 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0001 | 34.00 - 34.00 | 0.270 | | F | # | 1.9E-05 | - |
| | mg/L | 0588 | WL | 07/27/2005 | 0002 | 34.00 - 34.00 | 0.270 | | F | # | 1.9E-05 | - |
| | mg/L | 0588 | WL | 08/26/2005 | 0001 | 34.00 - 34.00 | 0.120 | | F | # | 1.9E-05 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0588 | WL | 09/28/2005 | 0001 | 34.00 - 34.00 | 2.400 | | F | # | 0.00024 | - |
| | mg/L | 0588 | WL | 10/19/2005 | 0001 | 34.00 - 34.00 | 0.300 | | F | # | 9.5E-05 | - |
| | mg/L | 0588 | WL | 10/27/2005 | 0001 | 26.00 - 26.00 | 0.0722 | | F | # | 0.00014 | - |
| | mg/L | 0588 | WL | 11/10/2005 | 0001 | 30.00 - 30.00 | 0.140 | | F | # | 2.4E-05 | - |
| | mg/L | 0588 | WL | 11/28/2005 | 0001 | 26.00 - 26.00 | 0.238 | | F | # | 0.00068 | - |
| | mg/L | 0588 | WL | 12/09/2005 | 0001 | 34.00 - 34.00 | 2.700 | | F | # | 0.00024 | - |
| | mg/L | 0588 | WL | 12/16/2005 | 0001 | 26.00 - 26.00 | 0.258 | N | F | # | 0.00014 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 52.00 - 52.00 | 1.500 | | F | # | 0.0012 | - |
| | mg/L | 0589 | WL | 08/18/2004 | 0001 | 44.00 - 44.00 | 1.900 | | F | # | 0.0012 | - |
| | mg/L | 0589 | WL | 11/03/2004 | 0001 | 44.00 - 44.00 | 0.620 | | JF | # | 0.00083 | - |
| | mg/L | 0589 | WL | 12/17/2004 | 0001 | 44.00 - 44.00 | 0.420 | | F | # | 4.2E-05 | - |
| | mg/L | 0589 | WL | 01/28/2005 | 0001 | 44.00 - 44.00 | 1.500 | | F | # | 0.00046 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 52.00 - 52.00 | 1.500 | | F | # | 0.00046 | - |
| | mg/L | 0589 | WL | 02/24/2005 | 0001 | 44.00 - 44.00 | 2.300 | | F | # | 0.00046 | - |
| | mg/L | 0589 | WL | 03/16/2005 | 0001 | 44.00 - 44.00 | 2.200 | | F | # | 0.00046 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0001 | 44.00 - 44.00 | 2.200 | | F | # | 0.00022 | - |
| | mg/L | 0589 | WL | 04/27/2005 | 0002 | 44.00 - 44.00 | 2.300 | | F | # | 0.00022 | - |
| | mg/L | 0589 | WL | 05/24/2005 | 0001 | 44.00 - 44.00 | 1.800 | | F | # | 0.00011 | - |
| | mg/L | 0589 | WL | 06/22/2005 | N001 | 44.00 - 44.00 | 2.200 | | F | # | 0.00011 | - |
| | mg/L | 0589 | WL | 07/27/2005 | 0001 | 44.00 - 44.00 | 2.100 | | F | # | 0.00038 | - |
| | mg/L | 0589 | WL | 08/25/2005 | 0001 | 44.00 - 44.00 | 2.100 | | F | # | 0.00019 | - |
| | mg/L | 0589 | WL | 09/28/2005 | 0001 | 44.00 - 44.00 | 2.300 | | F | # | 0.00024 | - |
| | mg/L | 0589 | WL | 10/19/2005 | 0001 | 52.00 - 52.00 | 1.800 | | F | # | 0.00048 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0001 | 44.00 - 44.00 | 1.710 | | F | # | 0.00014 | - |
| | mg/L | 0589 | WL | 10/27/2005 | 0003 | 44.00 - 44.00 | 1.660 | | F | # | 0.00014 | - |
| | mg/L | 0589 | WL | 11/10/2005 | 0001 | 48.00 - 48.00 | 2.100 | | F | # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0589 | WL | 11/29/2005 | 0001 | 44.00 - 44.00 | 2.810 | | F | # | 0.00068 | - |
| | mg/L | 0589 | WL | 11/29/2005 | 0003 | 44.00 - 44.00 | 2.850 | | F | # | 0.00068 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0001 | 52.00 - 52.00 | 1.700 | | F | # | 0.00024 | - |
| | mg/L | 0589 | WL | 12/09/2005 | 0002 | 52.00 - 52.00 | 1.700 | | F | # | 0.00024 | - |
| | mg/L | 0589 | WL | 12/16/2005 | 0001 | 44.00 - 44.00 | 2.100 | N | F | # | 0.00014 | - |
| | mg/L | 0600 | WL | 10/19/2005 | 0001 | 18.00 - 18.00 | 2.100 | | F | # | 0.00048 | - |
| | mg/L | 0600 | WL | 11/10/2005 | 0001 | 28.00 - 28.00 | 2.600 | | F | # | 0.00048 | - |
| | mg/L | 0600 | WL | 12/09/2005 | 0001 | 27.00 - 27.00 | 3.000 | | F | # | 0.00024 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0001 | 18.00 - 18.00 | 1.500 | | F | # | 0.00048 | - |
| | mg/L | 0601 | WL | 10/20/2005 | 0002 | 18.00 - 18.00 | 1.400 | | F | # | 0.00048 | - |
| | mg/L | 0601 | WL | 11/15/2005 | 0001 | 28.00 - 28.00 | 1.700 | | F | # | 0.00024 | - |
| | mg/L | 0601 | WL | 12/09/2005 | 0001 | 28.00 - 28.00 | 2.100 | | | # | 0.00024 | - |
| | mg/L | 0602 | WL | 10/27/2005 | 0001 | 18.00 - 18.00 | 0.230 | | F | # | 0.00014 | - |
| | mg/L | 0602 | WL | 11/29/2005 | 0001 | 18.00 - 18.00 | 0.327 | | F | # | 0.00068 | - |
| | mg/L | 0602 | WL | 12/16/2005 | 0001 | 18.00 - 18.00 | 0.156 | N | F | # | 0.00014 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 1:47 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0401','0402','0408','0580','0581','0582','0583','0584','0585','0586','0587','0588','0589','0600','0601','0602') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 996 | | QF | # | - | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 1022 | | FQ | # | - | - |
| Ammonia Total as N | mg/L | 0590 | WL | 08/20/2004 | 0001 | 1.08 - 1.08 | 680 | | F | # | 50 | - |
| | mg/L | 0590 | WL | 09/22/2004 | 0001 | 1.08 - 1.08 | 230 | | F | # | 50 | - |
| | mg/L | 0590 | WL | 11/03/2004 | 0001 | 1.08 - 1.08 | 330 | | FQ | # | 50 | - |
| | mg/L | 0590 | WL | 12/16/2004 | 0001 | 1.08 - 1.08 | 160 | | FQ | # | 50 | - |
| | mg/L | 0590 | WL | 01/27/2005 | N001 | 1.08 - 1.08 | 83 | | FQ | # | 5 | - |
| | mg/L | 0590 | WL | 02/23/2005 | N001 | 1.08 - 1.08 | 88 | | QF | # | 20 | - |
| | mg/L | 0590 | WL | 03/15/2005 | 0001 | 1.08 - 1.08 | 94 | | QF | # | 10 | - |
| | mg/L | 0590 | WL | 07/28/2005 | 0001 | 1.50 - 1.50 | 60 | | QF | # | 2 | - |
| | mg/L | 0590 | WL | 08/25/2005 | 0001 | 1.50 - 1.50 | 48 | | FQ | # | 5 | - |
| | mg/L | 0590 | WL | 09/28/2005 | 0001 | 1.50 - 1.50 | 38 | | QF | # | 2 | - |
| | mg/L | 0590 | WL | 10/19/2005 | 0001 | 1.50 - 1.50 | 66 | | FQ | # | 20 | - |
| | mg/L | 0590 | WL | 11/09/2005 | 0001 | 1.50 - 1.50 | 63 | | QF | # | 2 | - |
| | mg/L | 0590 | WL | 12/07/2005 | 0001 | 1.50 - 1.50 | 57 | | QF | # | 2 | - |
| | mg/L | 0591 | WL | 08/20/2004 | 0001 | 4.22 - 4.22 | 1100 | | F | # | 50 | - |
| | mg/L | 0591 | WL | 09/22/2004 | 0001 | 4.22 - 4.22 | 860 | | F | # | 50 | - |
| | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 1000 | | QF | # | 50 | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 1000 | | FQ | # | 50 | - |
| | mg/L | 0591 | WL | 12/15/2004 | 0001 | 4.22 - 4.22 | 740 | | FQ | # | 50 | - |
| | mg/L | 0591 | WL | 12/16/2004 | 0002 | 4.22 - 4.22 | 700 | | FQ | # | 50 | - |
| | mg/L | 0591 | WL | 01/26/2005 | 0001 | 4.22 - 4.22 | 170 | | FQ | # | 5 | - |
| | mg/L | 0591 | WL | 01/27/2005 | N002 | 4.22 - 4.22 | 150 | | FQ | # | 50 | - |
| | mg/L | 0591 | WL | 02/22/2005 | 0001 | 4.22 - 4.22 | 110 | | QF | # | 20 | - |
| | mg/L | 0591 | WL | 02/24/2005 | N002 | 4.22 - 4.22 | 110 | | QF | # | 20 | - |
| | mg/L | 0591 | WL | 03/14/2005 | 0001 | 4.22 - 4.22 | 92 | | QF | # | 10 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0591 | WL | 03/15/2005 | 0002 | 4.22 - 4.22 | 90 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 08/26/2005 | 0001 | 4.40 - 4.40 | 130 | | FQ | # | 5 | - |
| | mg/L | 0591 | WL | 09/28/2005 | 0001 | 4.40 - 4.40 | 110 | | QF | # | 20 | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 132.000 | | QF | # | 5.49 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 135.000 | | FQ | # | 2.19 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 189.000 | | QF | # | 5.49 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 208.000 | | F | # | 5.49 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 222.000 | | FQ | # | 5.49 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 335.000 | | QF | # | 5.49 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 190 | | FQ | # | 20 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 230 | | QF | # | 20 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 220 | | QF | # | 50 | - |
| | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 330 | | FQ | # | 20 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 240 | | QF | # | 20 | - |
| | mg/L | 0613 | WL | 12/07/2005 | 0001 | 1.70 - 1.70 | 170 | | QF | # | 50 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 339.000 | | QF | # | 5.49 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 350.000 | | FQ | # | 2.19 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 2 | | FQ | # | 0.1 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 2.1 | | QF | # | 0.1 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 2.7 | | QF | # | 0.1 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 93 | | FQ | # | 20 | - |
| | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 100 | | QF | # | 20 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 92 | | QF | # | 5 | - |
| Biochemical Oxygen Dema | mg/L | 0591 | WL | 11/29/2005 | N001 | 4.40 - 4.40 | 4.73 | | F | # | 0.1 | - |
| | mg/L | 0591 | WL | 12/14/2005 | N005 | 4.40 - 4.40 | 0.9 | | FQ | # | 0.1 | - |
| | mg/L | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 1.16 | | QF | # | 0.1 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Biochemical Oxygen Dema | mg/L | 0614 | WL | 12/15/2005 | N005 | 5.60 - 5.60 | 2.55 | | QF | # | 0.1 | - |
| Bromide | mg/L | 0590 | WL | 10/19/2005 | 0001 | 1.50 - 1.50 | 1 | U | FQ | # | 1 | - |
| | mg/L | 0590 | WL | 11/09/2005 | 0001 | 1.50 - 1.50 | 10 | U | QF | # | 10 | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 0.19 | B | F | # | 0.026 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 0.089 | B | FQ | # | 0.026 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.026 | U | F | # | 0.026 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.26 | | FQ | # | 0.026 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 2 | U | FQ | # | 2 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 2 | U | QF | # | 2 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 2 | U | QF | # | 2 | - |
| | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 4 | U | QF | # | 4 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0001 | 5.60 - 5.60 | 128 | U | F | # | 128 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 128 | U | FQ | # | 128 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 0.4 | U | FQ | # | 0.4 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 0.2 | U | QF | # | 0.2 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 1 | U | FQ | # | 1 | - |
| | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 1 | U | QF | # | 1 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 0.4 | U | QF | # | 0.4 | - |
| Carbon Dioxide | mg/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 3.2 | J | QF | # | 0.53 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 1.9 | J | F | # | 0.53 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon Dioxide | mg/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 2.6 | | FQ | # | 0.53 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 0.94 | J | QF | # | 0.53 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 0.78 | J | F | # | 0.53 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 1.2 | | FQ | # | 0.53 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 2.8 | J | QF | # | 0.53 | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 1.2 | J | F | # | 0.53 | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 2.3 | | FQ | # | 0.53 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 30 | | QF | # | 0.53 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 22 | | F | # | 0.53 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 42 | | FQ | # | 0.53 | - |
| Chloride | mg/L | 0590 | WL | 09/22/2004 | 0001 | 1.08 - 1.08 | 2000 | | F | # | 40 | - |
| | mg/L | 0590 | WL | 12/16/2004 | 0001 | 1.08 - 1.08 | 460 | | FQ | # | 20 | - |
| | mg/L | 0590 | WL | 01/27/2005 | N001 | 1.08 - 1.08 | 250 | | FQ | # | 10 | - |
| | mg/L | 0590 | WL | 02/23/2005 | N001 | 1.08 - 1.08 | 310 | | QF | # | 10 | - |
| | mg/L | 0590 | WL | 03/15/2005 | 0001 | 1.08 - 1.08 | 260 | | QF | # | 4 | - |
| | mg/L | 0590 | WL | 07/28/2005 | 0001 | 1.50 - 1.50 | 530 | | QF | # | 10 | - |
| | mg/L | 0590 | WL | 08/25/2005 | 0001 | 1.50 - 1.50 | 320 | | FQ | # | 10 | - |
| | mg/L | 0590 | WL | 10/19/2005 | 0001 | 1.50 - 1.50 | 420 | | FQ | # | 10 | - |
| | mg/L | 0590 | WL | 11/09/2005 | 0001 | 1.50 - 1.50 | 460 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 08/20/2004 | 0001 | 4.22 - 4.22 | 3900 | | F | # | 100 | - |
| | mg/L | 0591 | WL | 09/22/2004 | 0001 | 4.22 - 4.22 | 3200 | | F | # | 100 | - |
| | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 3300 | | QF | # | 100 | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 3100 | | FQ | # | 100 | - |
| | mg/L | 0591 | WL | 12/15/2004 | 0001 | 4.22 - 4.22 | 2300 | | FQ | # | 40 | - |
| | mg/L | 0591 | WL | 12/16/2004 | 0002 | 4.22 - 4.22 | 2200 | | FQ | # | 40 | - |
| | mg/L | 0591 | WL | 01/26/2005 | 0001 | 4.22 - 4.22 | 380 | | FQ | # | 10 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0591 | WL | 01/27/2005 | N002 | 4.22 - 4.22 | 360 | | FQ | # | 10 | - |
| | mg/L | 0591 | WL | 02/22/2005 | 0001 | 4.22 - 4.22 | 220 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 02/24/2005 | N002 | 4.22 - 4.22 | 230 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 03/14/2005 | 0001 | 4.22 - 4.22 | 200 | | QF | # | 20 | - |
| | mg/L | 0591 | WL | 03/15/2005 | 0002 | 4.22 - 4.22 | 200 | | QF | # | 4 | - |
| | mg/L | 0591 | WL | 08/26/2005 | 0001 | 4.40 - 4.40 | 240 | | FQ | # | 10 | - |
| | mg/L | 0591 | WL | 09/28/2005 | 0001 | 4.40 - 4.40 | 240 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 221 | | QF | # | 5 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 20.4 | J | F | # | 0.25 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 226 | J | FQ | # | 1.2 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 344 | | QF | # | 5 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 461 | J | F | # | 2.5 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 516 | J | FQ | # | 12.5 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 749 | | QF | # | 5 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 500 | | FQ | # | 20 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 700 | | QF | # | 20 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 770 | | QF | # | 20 | - |
| | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 2400 | | FQ | # | 40 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 1700 | | QF | # | 40 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 4300 | | QF | # | 50 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0001 | 5.60 - 5.60 | 6900 | J | F | # | 125 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 4030 | J | FQ | # | 125 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 95 | | FQ | # | 4 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 100 | | QF | # | 4 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 94 | | QF | # | 2 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 170 | | FQ | # | 10 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 190 | | QF | # | 10 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 160 | | QF | # | 10 | - |
| Dissolved Organic Carbon | mg/L | 0591 | WL | 10/26/2005 | N001 | 4.40 - 4.40 | 945 | | JQF | # | 43 | - |
| | mg/L | 0591 | WL | 12/13/2005 | N001 | 4.40 - 4.40 | 14.2 | | FQ | # | 0.474 | - |
| | mg/L | 0603 | WL | 10/26/2005 | N001 | 9.70 - 9.70 | 1100 | H | JQF | # | 43 | - |
| | mg/L | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 10.7 | | F | # | 4.7 | - |
| | mg/L | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | 7.1 | | FQ | # | 0.474 | - |
| Dissolved Oxygen | mg/L | 0590 | WL | 02/22/2005 | N001 | 1.08 - 1.08 | 4.72 | | QF | # | - | - |
| | mg/L | 0590 | WL | 03/15/2005 | N001 | 1.08 - 1.08 | 4.51 | | QF | # | - | - |
| | mg/L | 0590 | WL | 07/28/2005 | N001 | 1.50 - 1.50 | 2.03 | | QF | # | - | - |
| | mg/L | 0590 | WL | 08/25/2005 | N001 | 1.50 - 1.50 | 3.81 | | FQ | # | - | - |
| | mg/L | 0590 | WL | 09/28/2005 | N001 | 1.50 - 1.50 | 2.66 | | QF | # | - | - |
| | mg/L | 0590 | WL | 10/19/2005 | N001 | 1.50 - 1.50 | 3.25 | | FQ | # | - | - |
| | mg/L | 0590 | WL | 11/09/2005 | N001 | 1.50 - 1.50 | 4.10 | | QF | # | - | - |
| | mg/L | 0590 | WL | 12/07/2005 | N001 | 1.50 - 1.50 | 7.21 | | QF | # | - | - |
| | mg/L | 0591 | WL | 02/22/2005 | N001 | 4.22 - 4.22 | 3.92 | | QF | # | - | - |
| | mg/L | 0591 | WL | 03/14/2005 | N001 | 4.22 - 4.22 | 2.86 | | QF | # | - | - |
| | mg/L | 0591 | WL | 08/26/2005 | N001 | 4.40 - 4.40 | 4.38 | | FQ | # | - | - |
| | mg/L | 0591 | WL | 09/28/2005 | N001 | 4.40 - 4.40 | 2.21 | | QF | # | - | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 5.7 | | QF | # | 0.07 | - |
| | mg/L | 0591 | WL | 10/26/2005 | N001 | 4.40 - 4.40 | 6.00 | | QF | # | - | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 2.9 | | F | # | 0.07 | - |
| | mg/L | 0591 | WL | 11/29/2005 | N001 | 4.40 - 4.40 | 6.13 | | F | # | - | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 5.5 | | FQ | # | 0.07 | - |
| | mg/L | 0591 | WL | 12/13/2005 | N001 | 4.40 - 4.40 | 5.90 | | FQ | # | - | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 5.7 | | QF | # | 0.07 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0603 | WL | 10/26/2005 | N001 | 9.70 - 9.70 | 4.17 | | QF | # | - | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 2.9 | | F | # | 0.07 | - |
| | mg/L | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 6.24 | | F | # | - | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 7.2 | | FQ | # | 0.07 | - |
| | mg/L | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | 6.38 | | FQ | # | - | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 4.6 | | QF | # | 0.07 | - |
| | mg/L | 0604 | WL | 10/26/2005 | N001 | 7.80 - 7.80 | 3.22 | | QF | # | - | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 6 | | F | # | 0.07 | - |
| | mg/L | 0604 | WL | 11/29/2005 | N001 | 7.80 - 7.80 | 6.12 | | F | # | - | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 4.8 | | FQ | # | 0.07 | - |
| | mg/L | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 4.66 | | FQ | # | - | - |
| | mg/L | 0605 | WL | 10/19/2005 | N001 | 9.90 - 9.90 | 0.69 | | FQ | # | - | - |
| | mg/L | 0605 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 4.32 | | QF | # | - | - |
| | mg/L | 0605 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 7.37 | | QF | # | - | - |
| | mg/L | 0613 | WL | 10/19/2005 | N001 | 1.70 - 1.70 | 4.61 | | FQ | # | - | - |
| | mg/L | 0613 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 6.47 | | QF | # | - | - |
| | mg/L | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 8.61 | | QF | # | - | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 4.3 | | QF | # | 0.07 | - |
| | mg/L | 0614 | WL | 10/26/2005 | N001 | 5.60 - 5.60 | 2.69 | | QF | # | - | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 6.8 | | F | # | 0.07 | - |
| | mg/L | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 4.35 | | F | # | - | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 5.6 | | FQ | # | 0.07 | - |
| | mg/L | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | 6.05 | | FQ | # | - | - |
| | mg/L | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 5.62 | | FQ | # | - | - |
| | mg/L | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | 7.23 | | QF | # | - | - |
| | mg/L | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | 2.19 | | FQ | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 4.24 | | QF | # | - | - |
| Iron | mg/L | 0591 | WL | 10/28/2005 | 0005 | 4.40 - 4.40 | 0.04 | | QF | # | 0.03 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 0.0193 | B | UFQ | # | 0.0074 | - |
| | mg/L | 0591 | WL | 12/14/2005 | 0005 | 4.40 - 4.40 | 0.03 | | FQ | # | 0.03 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 0.0074 | U | QF | # | 0.0074 | - |
| | mg/L | 0603 | WL | 10/28/2005 | 0005 | 9.70 - 9.70 | 0.03 | U | QF | # | 0.03 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.03 | | F | # | 0.03 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.0198 | B | UFQ | # | 0.0074 | - |
| | mg/L | 0603 | WL | 12/14/2005 | 0005 | 9.70 - 9.70 | 0.03 | U | FQ | # | 0.03 | - |
| | mg/L | 0604 | WL | 10/28/2005 | 0005 | 7.80 - 7.80 | 0.03 | | QF | # | 0.03 | - |
| | mg/L | 0614 | WL | 10/28/2005 | 0005 | 5.60 - 5.60 | 2.11 | | QF | # | 0.03 | - |
| | mg/L | 0614 | WL | 12/15/2005 | 0005 | 5.60 - 5.60 | 2.24 | | QF | # | 0.03 | - |
| Iron (II) | mg/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 1 | U | QF | # | 0.1 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 1 | J | FQ | # | 0.1 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 0.3 | J | QF | # | 0.1 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 1 | J | FQ | # | 0.1 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 1 | U | QF | # | 0.1 | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 1 | J | FQ | # | 0.1 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 0.4 | J | QF | # | 0.1 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 1 | | FQ | # | 0.1 | - |
| Manganese | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 0.297 | | FQ | # | 0.001 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 0.317 | | QF | # | 0.001 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.479 | | FQ | # | 0.001 | - |
| Manganese (II) | mg/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 0.2 | J | QF | # | - | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 0.5 | J | F | # | - | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 0.6 | | FQ | # | - | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 1 | U | QF | # | - | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 0.6 | J | F | # | - | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 0.5 | J | FQ | # | - | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 0.7 | J | QF | # | - | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 0.1 | J | F | # | - | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 0.3 | J | FQ | # | - | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 9.2 | | QF | # | - | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 3.1 | | F | # | - | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 7.9 | | FQ | # | - | - |
| Methane | ug/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 10 | | QF | # | 0.011 | - |
| | ug/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 4.7 | | F | # | 0.011 | - |
| | ug/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 1.8 | U | FQ | # | 0.011 | - |
| | ug/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 1 | | QF | # | 0.011 | - |
| | ug/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 1.8 | | F | # | 0.011 | - |
| | ug/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 1.3 | UM | FQ | # | 0.011 | - |
| | ug/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 1.6 | | QF | # | 0.011 | - |
| | ug/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 1.6 | | F | # | 0.011 | - |
| | ug/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 1.2 | UM | FQ | # | 0.011 | - |
| | ug/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 5.9 | | QF | # | 0.011 | - |
| | ug/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 3.5 | | F | # | 0.011 | - |
| | ug/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 5.3 | UM | FQ | # | 0.011 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate + Nitrite as Nitrogen | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 2.520 | | QF | # | 0.0108 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 3.750 | | F | # | 0.108 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 5.160 | | JFQ | # | 0.0431 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 0.0624 | | QF | # | 0.0027 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.0696 | | F | # | 0.0027 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.0027 | U | JFQ | # | 0.0027 | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0001 | 7.80 - 7.80 | 0.202 | | JFQ | # | 0.0027 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 410.000 | | QF | # | 2.69 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0001 | 5.60 - 5.60 | 380.000 | | F | # | 2.69 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 377.000 | | JFQ | # | 2.69 | - |
| Nitrifying Bacteria | cfu/mL | 0591 | WL | 10/28/2005 | N005 | 4.40 - 4.40 | 10000 | | QF | # | 1000 | - |
| | cfu/mL | 0591 | WL | 11/29/2005 | N001 | 4.40 - 4.40 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0591 | WL | 12/14/2005 | N005 | 4.40 - 4.40 | 10000 | | FQ | # | 1000 | - |
| | cfu/mL | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 1000 | U | F | # | 1000 | - |
| | cfu/mL | 0603 | WL | 12/14/2005 | N005 | 9.70 - 9.70 | 1000 | U | FQ | # | 1000 | - |
| | cfu/mL | 0604 | WL | 10/28/2005 | N005 | 7.80 - 7.80 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0604 | WL | 11/29/2005 | N001 | 7.80 - 7.80 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 1000 | | QF | # | 1000 | - |
| | cfu/mL | 0614 | WL | 10/28/2005 | N005 | 5.60 - 5.60 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 10000 | | F | # | 1000 | - |
| | cfu/mL | 0614 | WL | 12/15/2005 | N005 | 5.60 - 5.60 | 100000 | | QF | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0591 | WL | 10/28/2005 | 0005 | 4.40 - 4.40 | 0.296 | | QF | # | 0.005 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 0.196 | | F | # | 0.005 | - |
| | mg/L | 0591 | WL | 12/14/2005 | 0005 | 4.40 - 4.40 | 0.275 | | FQ | # | 0.005 | - |
| | mg/L | 0603 | WL | 10/28/2005 | 0005 | 9.70 - 9.70 | 0.014 | | QF | # | 0.005 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.005 | U | F | # | 0.005 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite as Nitrogen | mg/L | 0603 | WL | 12/14/2005 | 0005 | 9.70 - 9.70 | 0.005 | U | FQ | # | 0.005 | - |
| | mg/L | 0604 | WL | 10/28/2005 | 0005 | 7.80 - 7.80 | 3.5 | | QF | # | 0.005 | - |
| | mg/L | 0614 | WL | 10/28/2005 | 0005 | 5.60 - 5.60 | 6.4 | | QF | # | 0.005 | - |
| | mg/L | 0614 | WL | 12/15/2005 | 0005 | 5.60 - 5.60 | 3.2 | | QF | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0591 | WL | 10/26/2005 | 0002 | 4.40 - 4.40 | 26 | | QF | # | 0.06 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0002 | 4.40 - 4.40 | 21 | | F | # | 0.06 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0002 | 4.40 - 4.40 | 29 | | FQ | # | 0.06 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0002 | 9.70 - 9.70 | 15 | | QF | # | 0.06 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0002 | 9.70 - 9.70 | 10 | | F | # | 0.06 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0002 | 9.70 - 9.70 | 21 | | FQ | # | 0.06 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0002 | 7.80 - 7.80 | 15 | | QF | # | 0.06 | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0002 | 7.80 - 7.80 | 18 | | F | # | 0.06 | - |
| | mg/L | 0604 | WL | 12/13/2005 | 0002 | 7.80 - 7.80 | 16 | | FQ | # | 0.06 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0002 | 5.60 - 5.60 | 22 | | QF | # | 0.06 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0002 | 5.60 - 5.60 | 19 | | F | # | 0.06 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0002 | 5.60 - 5.60 | 24 | | FQ | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0591 | WL | 10/28/2005 | 0005 | 4.40 - 4.40 | 0.4 | | QF | # | 0.3 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0591 | WL | 12/14/2005 | 0005 | 4.40 - 4.40 | 0.4 | | FQ | # | 0.3 | - |
| | mg/L | 0603 | WL | 10/28/2005 | 0005 | 9.70 - 9.70 | 4.4 | | QF | # | 0.3 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.3 | | F | # | 0.3 | - |
| | mg/L | 0603 | WL | 12/14/2005 | 0005 | 9.70 - 9.70 | 0.3 | U | FQ | # | 0.3 | - |
| | mg/L | 0604 | WL | 10/28/2005 | 0005 | 7.80 - 7.80 | 1.2 | | QF | # | 0.3 | - |
| | mg/L | 0614 | WL | 10/28/2005 | 0005 | 5.60 - 5.60 | 1.2 | | QF | # | 0.3 | - |
| | mg/L | 0614 | WL | 12/15/2005 | 0005 | 5.60 - 5.60 | 1.2 | | QF | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0590 | WL | 08/20/2004 | N001 | 1.08 - 1.08 | 145.0 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0590 | WL | 09/22/2004 | N001 | 1.08 -1.08 | 69.6 | F | # | - | - |
| | mV | 0590 | WL | 10/19/2004 | N001 | 1.08 -1.08 | -252 | QF | # | - | - |
| | mV | 0590 | WL | 11/03/2004 | N001 | 1.08 -1.08 | 107 | FQ | # | - | - |
| | mV | 0590 | WL | 12/15/2004 | N001 | 1.08 -1.08 | 77.3 | FQ | # | - | - |
| | mV | 0590 | WL | 01/26/2005 | N001 | 1.08 -1.08 | -3.1 | FQ | # | - | - |
| | mV | 0590 | WL | 02/22/2005 | N001 | 1.08 -1.08 | 120 | QF | # | - | - |
| | mV | 0590 | WL | 03/15/2005 | N001 | 1.08 -1.08 | -55 | QF | # | - | - |
| | mV | 0590 | WL | 07/28/2005 | N001 | 1.50 -1.50 | -336 | QF | # | - | - |
| | mV | 0590 | WL | 08/25/2005 | N001 | 1.50 -1.50 | -164 | FQ | # | - | - |
| | mV | 0590 | WL | 10/19/2005 | N001 | 1.50 -1.50 | -111.9 | FQ | # | - | - |
| | mV | 0590 | WL | 11/09/2005 | N001 | 1.50 -1.50 | -5.0 | QF | # | - | - |
| | mV | 0590 | WL | 12/07/2005 | N001 | 1.50 -1.50 | -19 | QF | # | - | - |
| | mV | 0591 | WL | 08/20/2004 | N001 | 4.22 -4.22 | -231.2 | F | # | - | - |
| | mV | 0591 | WL | 09/22/2004 | N001 | 4.22 -4.22 | 15.1 | F | # | - | - |
| | mV | 0591 | WL | 10/19/2004 | N001 | 4.22 -4.22 | -285 | QF | # | - | - |
| | mV | 0591 | WL | 11/03/2004 | N001 | 4.22 -4.22 | -33 | FQ | # | - | - |
| | mV | 0591 | WL | 12/15/2004 | N001 | 4.22 -4.22 | 95 | FQ | # | - | - |
| | mV | 0591 | WL | 01/26/2005 | N001 | 4.22 -4.22 | -1.6 | FQ | # | - | - |
| | mV | 0591 | WL | 02/22/2005 | N001 | 4.22 -4.22 | 118 | QF | # | - | - |
| | mV | 0591 | WL | 03/14/2005 | N001 | 4.22 -4.22 | -233 | QF | # | - | - |
| | mV | 0591 | WL | 08/26/2005 | N001 | 4.40 -4.40 | 90.4 | FQ | # | - | - |
| | mV | 0591 | WL | 09/28/2005 | N001 | 4.40 -4.40 | 85 | QF | # | - | - |
| | mV | 0591 | WL | 10/26/2005 | N001 | 4.40 -4.40 | -59.2 | QF | # | - | - |
| | mV | 0591 | WL | 11/29/2005 | N001 | 4.40 -4.40 | 36.6 | F | # | - | - |
| | mV | 0591 | WL | 12/13/2005 | N001 | 4.40 -4.40 | -29.7 | FQ | # | - | - |
| | mV | 0603 | WL | 10/26/2005 | N001 | 9.70 -9.70 | 231.1 | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 93.8 | F | # | - | - |
| | mV | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | -45.9 | FQ | # | - | - |
| | mV | 0604 | WL | 10/26/2005 | N001 | 7.80 - 7.80 | -312.6 | QF | # | - | - |
| | mV | 0604 | WL | 11/29/2005 | N001 | 7.80 - 7.80 | -68.4 | F | # | - | - |
| | mV | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | -24.7 | FQ | # | - | - |
| | mV | 0605 | WL | 10/19/2005 | N001 | 9.90 - 9.90 | -265.2 | FQ | # | - | - |
| | mV | 0605 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | -42 | QF | # | - | - |
| | mV | 0605 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | -21 | QF | # | - | - |
| | mV | 0613 | WL | 10/19/2005 | N001 | 1.70 - 1.70 | 86.8 | FQ | # | - | - |
| | mV | 0613 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 33.0 | QF | # | - | - |
| | mV | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 3 | QF | # | - | - |
| | mV | 0614 | WL | 10/26/2005 | N001 | 5.60 - 5.60 | 24.1 | QF | # | - | - |
| | mV | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | -17.3 | F | # | - | - |
| | mV | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | -39.4 | FQ | # | - | - |
| | mV | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 51.2 | FQ | # | - | - |
| | mV | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | -51.0 | QF | # | - | - |
| | mV | 0615 | WL | 12/07/2005 | N001 | 1.90 - 1.90 | -124 | QF | # | - | - |
| | mV | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | -266.5 | FQ | # | - | - |
| | mV | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | -130.0 | QF | # | - | - |
| | mV | 0616 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | -66 | QF | # | - | - |
| pH | s.u. | 0590 | WL | 08/20/2004 | N001 | 1.08 - 1.08 | 8.39 | F | # | - | - |
| | s.u. | 0590 | WL | 09/22/2004 | N001 | 1.08 - 1.08 | 7.95 | F | # | - | - |
| | s.u. | 0590 | WL | 10/19/2004 | N001 | 1.08 - 1.08 | 6.86 | QF | # | - | - |
| | s.u. | 0590 | WL | 11/03/2004 | N001 | 1.08 - 1.08 | 8.89 | FQ | # | - | - |
| | s.u. | 0590 | WL | 12/15/2004 | N001 | 1.08 - 1.08 | 9.78 | FQ | # | - | - |
| | s.u. | 0590 | WL | 01/26/2005 | N001 | 1.08 - 1.08 | 9.25 | FQ | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0590 | WL | 02/22/2005 | N001 | 1.08 -1.08 | 8.90 | QF | # | - | - |
| | s.u. | 0590 | WL | 03/15/2005 | N001 | 1.08 -1.08 | 8.92 | QF | # | - | - |
| | s.u. | 0590 | WL | 07/28/2005 | N001 | 1.50 -1.50 | 7.76 | QF | # | - | - |
| | s.u. | 0590 | WL | 08/25/2005 | N001 | 1.50 -1.50 | 9.13 | FQ | # | - | - |
| | s.u. | 0590 | WL | 09/28/2005 | N001 | 1.50 -1.50 | 9.22 | QF | # | - | - |
| | s.u. | 0590 | WL | 10/19/2005 | N001 | 1.50 -1.50 | 8.00 | FQ | # | - | - |
| | s.u. | 0590 | WL | 11/09/2005 | N001 | 1.50 -1.50 | 8.47 | QF | # | - | - |
| | s.u. | 0590 | WL | 12/07/2005 | N001 | 1.50 -1.50 | 8.73 | QF | # | - | - |
| | s.u. | 0591 | WL | 08/20/2004 | N001 | 4.22 -4.22 | 7.89 | F | # | - | - |
| | s.u. | 0591 | WL | 09/22/2004 | N001 | 4.22 -4.22 | 8.56 | F | # | - | - |
| | s.u. | 0591 | WL | 10/19/2004 | N001 | 4.22 -4.22 | 8.16 | QF | # | - | - |
| | s.u. | 0591 | WL | 11/03/2004 | N001 | 4.22 -4.22 | 8.05 | FQ | # | - | - |
| | s.u. | 0591 | WL | 12/15/2004 | N001 | 4.22 -4.22 | 7.60 | FQ | # | - | - |
| | s.u. | 0591 | WL | 01/26/2005 | N001 | 4.22 -4.22 | 8.64 | FQ | # | - | - |
| | s.u. | 0591 | WL | 02/22/2005 | N001 | 4.22 -4.22 | 8.35 | QF | # | - | - |
| | s.u. | 0591 | WL | 03/14/2005 | N001 | 4.22 -4.22 | 8.78 | QF | # | - | - |
| | s.u. | 0591 | WL | 08/26/2005 | N001 | 4.40 -4.40 | 8.18 | FQ | # | - | - |
| | s.u. | 0591 | WL | 09/28/2005 | N001 | 4.40 -4.40 | 8.85 | QF | # | - | - |
| | s.u. | 0591 | WL | 10/26/2005 | N001 | 4.40 -4.40 | 8.66 | QF | # | - | - |
| | s.u. | 0591 | WL | 11/29/2005 | N001 | 4.40 -4.40 | 9.16 | F | # | - | - |
| | s.u. | 0591 | WL | 12/13/2005 | N001 | 4.40 -4.40 | 8.99 | FQ | # | - | - |
| | s.u. | 0603 | WL | 10/26/2005 | N001 | 9.70 -9.70 | 9.00 | QF | # | - | - |
| | s.u. | 0603 | WL | 11/29/2005 | N001 | 9.70 -9.70 | 9.09 | F | # | - | - |
| | s.u. | 0603 | WL | 12/13/2005 | N001 | 9.70 -9.70 | 9.02 | FQ | # | - | - |
| | s.u. | 0604 | WL | 10/26/2005 | N001 | 7.80 -7.80 | 8.88 | QF | # | - | - |
| | s.u. | 0604 | WL | 11/29/2005 | N001 | 7.80 -7.80 | 9.31 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 9.11 | | FQ # | - | - |
| | s.u. | 0605 | WL | 10/19/2005 | N001 | 9.90 - 9.90 | 9.12 | | FQ # | - | - |
| | s.u. | 0605 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 8.87 | | QF # | - | - |
| | s.u. | 0605 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 9.04 | | QF # | - | - |
| | s.u. | 0613 | WL | 10/19/2005 | N001 | 1.70 - 1.70 | 8.33 | | FQ # | - | - |
| | s.u. | 0613 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 8.28 | | QF # | - | - |
| | s.u. | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 8.72 | | QF # | - | - |
| | s.u. | 0614 | WL | 10/26/2005 | N001 | 5.60 - 5.60 | 7.72 | | QF # | - | - |
| | s.u. | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 7.61 | | F # | - | - |
| | s.u. | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | 7.68 | | FQ # | - | - |
| | s.u. | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 8.17 | | FQ # | - | - |
| | s.u. | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | 8.35 | | QF # | - | - |
| | s.u. | 0615 | WL | 12/07/2005 | N001 | 1.90 - 1.90 | 8.35 | | QF # | - | - |
| | s.u. | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | 8.94 | | FQ # | - | - |
| | s.u. | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 9.20 | | QF # | - | - |
| | s.u. | 0616 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 9.29 | | QF # | - | - |
| Phosphorus | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 0.0535 | | JQF # | 0.0101 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 0.0574 | | JQF # | 0.0101 | - |
| Selenium | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 0.0056 | | FQ # | 0.00057 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 0.0048 | B | QF # | 0.00057 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.0036 | B | FQ # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0590 | WL | 08/20/2004 | N001 | 1.08 - 1.08 | 22825 | | F # | - | - |
| | umhos/cm | 0590 | WL | 09/22/2004 | N001 | 1.08 - 1.08 | 15063 | | F # | - | - |
| | umhos/cm | 0590 | WL | 10/19/2004 | N001 | 1.08 - 1.08 | 22420 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 11/03/2004 | N001 | 1.08 - 1.08 | 20520 | | FQ # | - | - |
| | umhos/cm | 0590 | WL | 12/15/2004 | N001 | 1.08 - 1.08 | 7108 | | FQ # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0590 | WL | 01/26/2005 | N001 | 1.08 - 1.08 | 2354 | | FQ # | - | - |
| | umhos/cm | 0590 | WL | 02/22/2005 | N001 | 1.08 - 1.08 | 2717 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 03/15/2005 | N001 | 1.08 - 1.08 | 4203 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 07/28/2005 | N001 | 1.50 - 1.50 | 5168 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 08/25/2005 | N001 | 1.50 - 1.50 | 3811 | | FQ # | - | - |
| | umhos/cm | 0590 | WL | 09/28/2005 | N001 | 1.50 - 1.50 | 3004 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 10/19/2005 | N001 | 1.50 - 1.50 | 3970 | | FQ # | - | - |
| | umhos/cm | 0590 | WL | 11/09/2005 | N001 | 1.50 - 1.50 | 4385 | | QF # | - | - |
| | umhos/cm | 0590 | WL | 12/07/2005 | N001 | 1.50 - 1.50 | 4444 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 08/20/2004 | N001 | 4.22 - 4.22 | 28650 | | F # | - | - |
| | umhos/cm | 0591 | WL | 09/22/2004 | N001 | 4.22 - 4.22 | 22372 | | F # | - | - |
| | umhos/cm | 0591 | WL | 10/19/2004 | N001 | 4.22 - 4.22 | 28195 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 11/03/2004 | N001 | 4.22 - 4.22 | 26602 | | FQ # | - | - |
| | umhos/cm | 0591 | WL | 12/15/2004 | N001 | 4.22 - 4.22 | 23520 | | FQ # | - | - |
| | umhos/cm | 0591 | WL | 01/26/2005 | N001 | 4.22 - 4.22 | 6411 | | FQ # | - | - |
| | umhos/cm | 0591 | WL | 02/22/2005 | N001 | 4.22 - 4.22 | 3815 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 03/14/2005 | N001 | 4.22 - 4.22 | 3137 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 08/26/2005 | N001 | 4.40 - 4.40 | 3670 | | FQ # | - | - |
| | umhos/cm | 0591 | WL | 09/28/2005 | N001 | 4.40 - 4.40 | 3140 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 10/26/2005 | N001 | 4.40 - 4.40 | 3211 | | QF # | - | - |
| | umhos/cm | 0591 | WL | 11/29/2005 | N001 | 4.40 - 4.40 | 3457 | | F # | - | - |
| | umhos/cm | 0591 | WL | 12/13/2005 | N001 | 4.40 - 4.40 | 4045 | | FQ # | - | - |
| | umhos/cm | 0603 | WL | 10/26/2005 | N001 | 9.70 - 9.70 | 5420 | | QF # | - | - |
| | umhos/cm | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 6492 | | F # | - | - |
| | umhos/cm | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | 6810 | | FQ # | - | - |
| | umhos/cm | 0604 | WL | 10/26/2005 | N001 | 7.80 - 7.80 | 8767 | | QF # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0604 | WL | 11/29/2005 | N001 | 7.80 - 7.80 | 9876 | | F | # | - | - |
| | umhos/cm | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 8560 | | FQ | # | - | - |
| | umhos/cm | 0605 | WL | 10/19/2005 | N001 | 9.90 - 9.90 | 5146 | | FQ | # | - | - |
| | umhos/cm | 0605 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 5713 | | QF | # | - | - |
| | umhos/cm | 0605 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 7082 | | QF | # | - | - |
| | umhos/cm | 0613 | WL | 10/19/2005 | N001 | 1.70 - 1.70 | 2737 | | FQ | # | - | - |
| | umhos/cm | 0613 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 11760 | | QF | # | - | - |
| | umhos/cm | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 6542 | | QF | # | - | - |
| | umhos/cm | 0614 | WL | 10/26/2005 | N001 | 5.60 - 5.60 | 21715 | | QF | # | - | - |
| | umhos/cm | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 24248 | | F | # | - | - |
| | umhos/cm | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | 22191 | | FQ | # | - | - |
| | umhos/cm | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 1232 | | FQ | # | - | - |
| | umhos/cm | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | 1349 | | QF | # | - | - |
| | umhos/cm | 0615 | WL | 12/07/2005 | N001 | 1.90 - 1.90 | 1340 | | QF | # | - | - |
| | umhos/cm | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | 3582 | | FQ | # | - | - |
| | umhos/cm | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 2095 | | QF | # | - | - |
| | umhos/cm | 0616 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 2573 | | QF | # | - | - |
| Sulfate | mg/L | 0590 | WL | 09/22/2004 | 0001 | 1.08 - 1.08 | 5300 | | F | # | 100 | - |
| | mg/L | 0590 | WL | 12/16/2004 | 0001 | 1.08 - 1.08 | 1600 | | FQ | # | 50 | - |
| | mg/L | 0590 | WL | 01/27/2005 | N001 | 1.08 - 1.08 | 850 | | FQ | # | 25 | - |
| | mg/L | 0590 | WL | 02/23/2005 | N001 | 1.08 - 1.08 | 1100 | | QF | # | 25 | - |
| | mg/L | 0590 | WL | 03/15/2005 | 0001 | 1.08 - 1.08 | 970 | | QF | # | 10 | - |
| | mg/L | 0590 | WL | 07/28/2005 | 0001 | 1.50 - 1.50 | 2000 | | QF | # | 25 | - |
| | mg/L | 0590 | WL | 08/25/2005 | 0001 | 1.50 - 1.50 | 1300 | | FQ | # | 25 | - |
| | mg/L | 0590 | WL | 10/19/2005 | 0001 | 1.50 - 1.50 | 1500 | | FQ | # | 25 | - |
| | mg/L | 0590 | WL | 11/09/2005 | 0001 | 1.50 - 1.50 | 1700 | | QF | # | 25 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0591 | WL | 08/20/2004 | 0001 | 4.22 - 4.22 | 13000 | | F | # | 250 | - |
| | mg/L | 0591 | WL | 09/22/2004 | 0001 | 4.22 - 4.22 | 13000 | | F | # | 250 | - |
| | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 13000 | | QF | # | 250 | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 12000 | | FQ | # | 250 | - |
| | mg/L | 0591 | WL | 12/15/2004 | 0001 | 4.22 - 4.22 | 7600 | | FQ | # | 100 | - |
| | mg/L | 0591 | WL | 12/16/2004 | 0002 | 4.22 - 4.22 | 7400 | | FQ | # | 100 | - |
| | mg/L | 0591 | WL | 01/26/2005 | 0001 | 4.22 - 4.22 | 1400 | | FQ | # | 25 | - |
| | mg/L | 0591 | WL | 01/27/2005 | N002 | 4.22 - 4.22 | 1300 | | FQ | # | 25 | - |
| | mg/L | 0591 | WL | 02/22/2005 | 0001 | 4.22 - 4.22 | 810 | | QF | # | 25 | - |
| | mg/L | 0591 | WL | 02/24/2005 | N002 | 4.22 - 4.22 | 860 | | QF | # | 25 | - |
| | mg/L | 0591 | WL | 03/14/2005 | 0001 | 4.22 - 4.22 | 660 | | QF | # | 50 | - |
| | mg/L | 0591 | WL | 03/15/2005 | 0002 | 4.22 - 4.22 | 630 | | QF | # | 10 | - |
| | mg/L | 0591 | WL | 08/26/2005 | 0001 | 4.40 - 4.40 | 950 | | FQ | # | 25 | - |
| | mg/L | 0591 | WL | 09/28/2005 | 0001 | 4.40 - 4.40 | 1000 | | QF | # | 25 | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 1050 | | QF | # | 12.2 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 96.4 | J | F | # | 0.61 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 1090 | | FQ | # | 6.1 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 2470 | | QF | # | 12.2 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 2850 | J | F | # | 30.6 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 2990 | | FQ | # | 30.6 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 3690 | | QF | # | 12.2 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 1600 | | FQ | # | 50 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 2200 | | QF | # | 50 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 2100 | | QF | # | 50 | - |
| | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 5000 | | FQ | # | 100 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 4000 | | QF | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 5710 | | QF | # | 122 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0001 | 5.60 - 5.60 | 24800 | J | F | # | 306 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 6280 | | FQ | # | 306 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 260 | | FQ | # | 10 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 250 | | QF | # | 10 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 220 | | QF | # | 5 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 610 | | FQ | # | 25 | - |
| | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 640 | | QF | # | 25 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 590 | | QF | # | 25 | - |
| Sulfide | mg/L | 0591 | WL | 10/28/2005 | 0005 | 4.40 - 4.40 | 0.01 | | QF | # | 0.01 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0591 | WL | 12/14/2005 | 0005 | 4.40 - 4.40 | 0.01 | U | FQ | # | 0.01 | - |
| | mg/L | 0603 | WL | 10/28/2005 | 0005 | 9.70 - 9.70 | 0.01 | | QF | # | 0.01 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 0.02 | | F | # | 0.01 | - |
| | mg/L | 0603 | WL | 12/14/2005 | 0005 | 9.70 - 9.70 | 0.01 | | FQ | # | 0.01 | - |
| | mg/L | 0604 | WL | 10/28/2005 | 0005 | 7.80 - 7.80 | 0.01 | U | QF | # | 0.01 | - |
| | mg/L | 0614 | WL | 10/28/2005 | 0005 | 5.60 - 5.60 | 0.01 | U | QF | # | 0.01 | - |
| | mg/L | 0614 | WL | 12/15/2005 | 0005 | 5.60 - 5.60 | 0.01 | U | QF | # | 0.01 | - |
| Temperature | C | 0590 | WL | 08/20/2004 | N001 | 1.08 - 1.08 | 23.96 | | F | # | - | - |
| | C | 0590 | WL | 09/22/2004 | N001 | 1.08 - 1.08 | 17.12 | | F | # | - | - |
| | C | 0590 | WL | 10/19/2004 | N001 | 1.08 - 1.08 | 14.22 | | QF | # | - | - |
| | C | 0590 | WL | 11/03/2004 | N001 | 1.08 - 1.08 | 13.10 | | FQ | # | - | - |
| | C | 0590 | WL | 12/15/2004 | N001 | 1.08 - 1.08 | 11.33 | | FQ | # | - | - |
| | C | 0590 | WL | 01/26/2005 | N001 | 1.08 - 1.08 | 11.06 | | FQ | # | - | - |
| | C | 0590 | WL | 02/22/2005 | N001 | 1.08 - 1.08 | 12.10 | | QF | # | - | - |
| | C | 0590 | WL | 03/15/2005 | N001 | 1.08 - 1.08 | 10.06 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0590 | WL | 07/28/2005 | N001 | 1.50 - 1.50 | 24.74 | | QF # | - | - |
| | C | 0590 | WL | 08/25/2005 | N001 | 1.50 - 1.50 | 25.34 | | FQ # | - | - |
| | C | 0590 | WL | 09/28/2005 | N001 | 1.50 - 1.50 | 22.45 | | QF # | - | - |
| | C | 0590 | WL | 10/19/2005 | N001 | 1.50 - 1.50 | 13.80 | | FQ # | - | - |
| | C | 0590 | WL | 11/09/2005 | N001 | 1.50 - 1.50 | 13.1 | | QF # | - | - |
| | C | 0590 | WL | 12/07/2005 | N001 | 1.50 - 1.50 | 4.7 | | QF # | - | - |
| | C | 0591 | WL | 08/20/2004 | N001 | 4.22 - 4.22 | 23.27 | | F # | - | - |
| | C | 0591 | WL | 09/22/2004 | N001 | 4.22 - 4.22 | 18.64 | | F # | - | - |
| | C | 0591 | WL | 10/19/2004 | N001 | 4.22 - 4.22 | 14.53 | | QF # | - | - |
| | C | 0591 | WL | 11/03/2004 | N001 | 4.22 - 4.22 | 13.29 | | FQ # | - | - |
| | C | 0591 | WL | 12/15/2004 | N001 | 4.22 - 4.22 | 11.64 | | FQ # | - | - |
| | C | 0591 | WL | 01/26/2005 | N001 | 4.22 - 4.22 | 10.64 | | FQ # | - | - |
| | C | 0591 | WL | 02/22/2005 | N001 | 4.22 - 4.22 | 10.97 | | QF # | - | - |
| | C | 0591 | WL | 03/14/2005 | N001 | 4.22 - 4.22 | 9.89 | | QF # | - | - |
| | C | 0591 | WL | 08/26/2005 | N001 | 4.40 - 4.40 | 20.96 | | FQ # | - | - |
| | C | 0591 | WL | 09/28/2005 | N001 | 4.40 - 4.40 | 18.40 | | QF # | - | - |
| | C | 0591 | WL | 10/26/2005 | N001 | 4.40 - 4.40 | 17.44 | | QF # | - | - |
| | C | 0591 | WL | 11/29/2005 | N001 | 4.40 - 4.40 | 6.73 | | F # | - | - |
| | C | 0591 | WL | 12/13/2005 | N001 | 4.40 - 4.40 | 5.60 | | FQ # | - | - |
| | C | 0603 | WL | 10/26/2005 | N001 | 9.70 - 9.70 | 16.91 | | QF # | - | - |
| | C | 0603 | WL | 11/29/2005 | N001 | 9.70 - 9.70 | 8.90 | | F # | - | - |
| | C | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | 7.84 | | FQ # | - | - |
| | C | 0604 | WL | 10/26/2005 | N001 | 7.80 - 7.80 | 15.64 | | QF # | - | - |
| | C | 0604 | WL | 11/29/2005 | N001 | 7.80 - 7.80 | 9.65 | | F # | - | - |
| | C | 0604 | WL | 12/13/2005 | N001 | 7.80 - 7.80 | 8.58 | | FQ # | - | - |
| | C | 0605 | WL | 10/19/2005 | N001 | 9.90 - 9.90 | 16.48 | | FQ # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0605 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 14.4 | | QF | # | - | - |
| | C | 0605 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 10.1 | | QF | # | - | - |
| | C | 0613 | WL | 10/19/2005 | N001 | 1.70 - 1.70 | 16.99 | | FQ | # | - | - |
| | C | 0613 | WL | 11/09/2005 | N001 | 1.70 - 1.70 | 13.5 | | QF | # | - | - |
| | C | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 6.2 | | QF | # | - | - |
| | C | 0614 | WL | 10/26/2005 | N001 | 5.60 - 5.60 | 15.17 | | QF | # | - | - |
| | C | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 8.37 | | F | # | - | - |
| | C | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | 6.48 | | FQ | # | - | - |
| | C | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 16.84 | | FQ | # | - | - |
| | C | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | 13.2 | | QF | # | - | - |
| | C | 0615 | WL | 12/07/2005 | N001 | 1.90 - 1.90 | 6.1 | | QF | # | - | - |
| | C | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | 16.10 | | FQ | # | - | - |
| | C | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 13.0 | | QF | # | - | - |
| | C | 0616 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 7.7 | | QF | # | - | - |
| Total Dissolved Solids | mg/L | 0590 | WL | 09/22/2004 | 0001 | 1.08 - 1.08 | 11000 | | F | # | 400 | - |
| | mg/L | 0590 | WL | 10/19/2004 | 0001 | 1.08 - 1.08 | 18000 | | QF | # | 400 | - |
| | mg/L | 0590 | WL | 11/03/2004 | 0001 | 1.08 - 1.08 | 9800 | | FQ | # | 400 | - |
| | mg/L | 0590 | WL | 12/16/2004 | 0001 | 1.08 - 1.08 | 3100 | | FQ | # | 80 | - |
| | mg/L | 0590 | WL | 01/27/2005 | N001 | 1.08 - 1.08 | 1500 | | FQ | # | 80 | - |
| | mg/L | 0590 | WL | 02/23/2005 | N001 | 1.08 - 1.08 | 2100 | | QF | # | 80 | - |
| | mg/L | 0590 | WL | 03/15/2005 | 0001 | 1.08 - 1.08 | 1800 | | QF | # | 80 | - |
| | mg/L | 0590 | WL | 07/28/2005 | 0001 | 1.50 - 1.50 | 4600 | | QF | # | 200 | - |
| | mg/L | 0590 | WL | 08/25/2005 | 0001 | 1.50 - 1.50 | 2500 | | FQ | # | 80 | - |
| | mg/L | 0590 | WL | 09/28/2005 | 0001 | 1.50 - 1.50 | 3100 | | QF | # | 80 | - |
| | mg/L | 0590 | WL | 10/19/2005 | 0001 | 1.50 - 1.50 | 2800 | | FQ | # | 80 | - |
| | mg/L | 0590 | WL | 11/09/2005 | 0001 | 1.50 - 1.50 | 3200 | | QF | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0590 | WL | 12/07/2005 | 0001 | 1.50 - 1.50 | 2200 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 08/20/2004 | 0001 | 4.22 - 4.22 | 24000 | | F | # | 400 | - |
| | mg/L | 0591 | WL | 09/22/2004 | 0001 | 4.22 - 4.22 | 22000 | | F | # | 1000 | - |
| | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 23000 | | QF | # | 400 | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 22000 | | FQ | # | 400 | - |
| | mg/L | 0591 | WL | 12/15/2004 | 0001 | 4.22 - 4.22 | 14000 | | FQ | # | 400 | - |
| | mg/L | 0591 | WL | 12/16/2004 | 0002 | 4.22 - 4.22 | 14000 | | FQ | # | 400 | - |
| | mg/L | 0591 | WL | 01/26/2005 | 0001 | 4.22 - 4.22 | 2600 | | FQ | # | 80 | - |
| | mg/L | 0591 | WL | 01/27/2005 | N002 | 4.22 - 4.22 | 2200 | | FQ | # | 80 | - |
| | mg/L | 0591 | WL | 02/22/2005 | 0001 | 4.22 - 4.22 | 2000 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 02/24/2005 | N002 | 4.22 - 4.22 | 1600 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 03/14/2005 | 0001 | 4.22 - 4.22 | 1300 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 03/15/2005 | 0002 | 4.22 - 4.22 | 1400 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 08/26/2005 | 0001 | 4.40 - 4.40 | 1800 | | FQ | # | 80 | - |
| | mg/L | 0591 | WL | 09/28/2005 | 0001 | 4.40 - 4.40 | 1800 | | QF | # | 80 | - |
| | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 1830 | | QF | # | 3.6 | - |
| | mg/L | 0591 | WL | 11/29/2005 | 0001 | 4.40 - 4.40 | 1910 | | F | # | 3.6 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 2110 | J | FQ | # | 3.6 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 45600 | | QF | # | 3.6 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 4260 | | F | # | 3.6 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 4230 | J | FQ | # | 3.6 | - |
| | mg/L | 0604 | WL | 10/26/2005 | 0001 | 7.80 - 7.80 | 5930 | | QF | # | 3.6 | - |
| | mg/L | 0604 | WL | 11/29/2005 | 0001 | 7.80 - 7.80 | 9330 | | F | # | 3.6 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 3400 | | FQ | # | 200 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 4300 | | QF | # | 200 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 4000 | | QF | # | 200 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 10000 | | FQ | # | 400 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 8600 | | QF | # | 400 | - |
| | mg/L | 0613 | WL | 12/07/2005 | 0001 | 1.70 - 1.70 | 5500 | | QF | # | 200 | - |
| | mg/L | 0614 | WL | 10/26/2005 | 0001 | 5.60 - 5.60 | 18000 | | QF | # | 3.6 | - |
| | mg/L | 0614 | WL | 11/29/2005 | 0001 | 5.60 - 5.60 | 15600 | | F | # | 3.6 | - |
| | mg/L | 0614 | WL | 12/13/2005 | 0001 | 5.60 - 5.60 | 17600 | J | FQ | # | 3.6 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 770 | | FQ | # | 40 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 800 | | QF | # | 80 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 640 | | QF | # | 80 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 1200 | | FQ | # | 80 | - |
| | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 1400 | | QF | # | 80 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 1200 | | QF | # | 80 | - |
| Total Inorganic Carbon | mg/L | 0591 | WL | 10/26/2005 | 0001 | 4.40 - 4.40 | 24.9 | | QF | # | 2.2 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 78.9 | | FQ | # | 11.1 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 17.9 | | QF | # | 2.2 | - |
| | mg/L | 0603 | WL | 11/29/2005 | 0001 | 9.70 - 9.70 | 73.8 | | F | # | 11.1 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 77.0 | | FQ | # | 11.1 | - |
| Total Organic Carbon | mg/L | 0603 | WL | 10/26/2005 | N001 | 9.70 - 9.70 | 3020 | H | JQF | # | 43 | - |
| | mg/L | 0603 | WL | 12/13/2005 | N001 | 9.70 - 9.70 | 4.8 | | FQ | # | 0.47 | - |
| Turbidity | NTU | 0590 | WL | 08/20/2004 | N001 | 1.08 - 1.08 | 1000 | > | F | # | - | - |
| | NTU | 0590 | WL | 09/22/2004 | N001 | 1.08 - 1.08 | 1000 | U | F | # | 1000 | - |
| | NTU | 0590 | WL | 10/19/2004 | N001 | 1.08 - 1.08 | 1000 | > | QF | # | - | - |
| | NTU | 0590 | WL | 11/03/2004 | N001 | 1.08 - 1.08 | 353 | | FQ | # | - | - |
| | NTU | 0590 | WL | 12/15/2004 | N001 | 1.08 - 1.08 | 596 | | FQ | # | - | - |
| | NTU | 0590 | WL | 01/26/2005 | N001 | 1.08 - 1.08 | 297 | | FQ | # | - | - |
| | NTU | 0590 | WL | 02/22/2005 | N001 | 1.08 - 1.08 | 129 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0590 | WL | 03/15/2005 | N001 | 1.08 -1.08 | 81.7 | | QF # | - | - |
| | NTU | 0590 | WL | 07/28/2005 | N001 | 1.50 -1.50 | 1000 | > | QF # | - | - |
| | NTU | 0590 | WL | 08/25/2005 | N001 | 1.50 -1.50 | 1000 | > | FQ # | - | - |
| | NTU | 0590 | WL | 09/28/2005 | N001 | 1.50 -1.50 | 1000 | > | QF # | - | - |
| | NTU | 0590 | WL | 11/09/2005 | N001 | 1.50 -1.50 | 1000 | > | QF # | - | - |
| | NTU | 0590 | WL | 12/07/2005 | N001 | 1.50 -1.50 | 1000 | > | QF # | - | - |
| | NTU | 0591 | WL | 08/20/2004 | N001 | 4.22 -4.22 | 1000 | > | F # | - | - |
| | NTU | 0591 | WL | 09/22/2004 | N001 | 4.22 -4.22 | 1000 | U | F # | 1000 | - |
| | NTU | 0591 | WL | 10/19/2004 | N001 | 4.22 -4.22 | 720 | | QF # | - | - |
| | NTU | 0591 | WL | 11/03/2004 | N001 | 4.22 -4.22 | 63.5 | | FQ # | - | - |
| | NTU | 0591 | WL | 12/15/2004 | N001 | 4.22 -4.22 | 198 | | FQ # | - | - |
| | NTU | 0591 | WL | 01/26/2005 | N001 | 4.22 -4.22 | 225 | | FQ # | - | - |
| | NTU | 0591 | WL | 02/22/2005 | N001 | 4.22 -4.22 | 146 | | QF # | - | - |
| | NTU | 0591 | WL | 03/14/2005 | N001 | 4.22 -4.22 | 41.3 | | QF # | - | - |
| | NTU | 0591 | WL | 08/26/2005 | N001 | 4.40 -4.40 | 1000 | > | FQ # | - | - |
| | NTU | 0591 | WL | 09/28/2005 | N001 | 4.40 -4.40 | 1000 | > | QF # | - | - |
| | NTU | 0591 | WL | 11/29/2005 | N001 | 4.40 -4.40 | 343 | | F # | - | - |
| | NTU | 0591 | WL | 12/13/2005 | N001 | 4.40 -4.40 | 548 | | FQ # | - | - |
| | NTU | 0603 | WL | 11/29/2005 | N001 | 9.70 -9.70 | 347 | | F # | - | - |
| | NTU | 0603 | WL | 12/13/2005 | N001 | 9.70 -9.70 | 345 | | FQ # | - | - |
| | NTU | 0604 | WL | 11/29/2005 | N001 | 7.80 -7.80 | 99.0 | | F # | - | - |
| | NTU | 0604 | WL | 12/13/2005 | N001 | 7.80 -7.80 | 63.6 | | FQ # | - | - |
| | NTU | 0605 | WL | 11/09/2005 | N001 | 9.90 -9.90 | 1000 | > | QF # | - | - |
| | NTU | 0605 | WL | 12/07/2005 | N001 | 9.90 -9.90 | 1000 | > | QF # | - | - |
| | NTU | 0613 | WL | 10/19/2005 | N001 | 1.70 -1.70 | 358 | | FQ # | - | - |
| | NTU | 0613 | WL | 11/09/2005 | N001 | 1.70 -1.70 | 256 | | QF # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0613 | WL | 12/07/2005 | N001 | 1.70 - 1.70 | 77.4 | | QF | # | - | - |
| | NTU | 0614 | WL | 11/29/2005 | N001 | 5.60 - 5.60 | 44 | | F | # | - | - |
| | NTU | 0614 | WL | 12/13/2005 | N001 | 5.60 - 5.60 | 20.4 | | FQ | # | - | - |
| | NTU | 0615 | WL | 10/19/2005 | N001 | 1.90 - 1.90 | 313 | | FQ | # | - | - |
| | NTU | 0615 | WL | 11/09/2005 | N001 | 1.90 - 1.90 | 340 | | QF | # | - | - |
| | NTU | 0615 | WL | 12/07/2005 | N001 | 1.90 - 1.90 | 329 | | QF | # | - | - |
| | NTU | 0616 | WL | 10/19/2005 | N001 | 5.80 - 5.80 | 978 | | FQ | # | - | - |
| | NTU | 0616 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 96.1 | | QF | # | - | - |
| | NTU | 0616 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 73.1 | | QF | # | - | - |
| Uranium | mg/L | 0590 | WL | 08/20/2004 | 0001 | 1.08 - 1.08 | 2.000 | | F | # | 0.0012 | - |
| | mg/L | 0590 | WL | 09/22/2004 | 0001 | 1.08 - 1.08 | 1.300 | | F | # | 0.0012 | - |
| | mg/L | 0590 | WL | 11/03/2004 | 0001 | 1.08 - 1.08 | 0.110 | | JFQ | # | 0.00083 | - |
| | mg/L | 0590 | WL | 02/23/2005 | N001 | 1.08 - 1.08 | 0.0075 | | QF | # | 4.6E-06 | - |
| | mg/L | 0590 | WL | 03/15/2005 | 0001 | 1.08 - 1.08 | 0.0066 | | QF | # | 4.6E-06 | - |
| | mg/L | 0590 | WL | 07/28/2005 | 0001 | 1.50 - 1.50 | 0.0068 | | QF | # | 3.8E-06 | - |
| | mg/L | 0591 | WL | 08/20/2004 | 0001 | 4.22 - 4.22 | 1.600 | | F | # | 0.0012 | - |
| | mg/L | 0591 | WL | 09/22/2004 | 0001 | 4.22 - 4.22 | 1.800 | | F | # | 0.0012 | - |
| | mg/L | 0591 | WL | 10/19/2004 | 0001 | 4.22 - 4.22 | 2.500 | | JQF | # | 0.00083 | - |
| | mg/L | 0591 | WL | 11/03/2004 | 0001 | 4.22 - 4.22 | 2.500 | | JFQ | # | 0.00083 | - |
| | mg/L | 0591 | WL | 12/15/2004 | 0001 | 4.22 - 4.22 | 0.740 | | FQ | # | 0.00083 | - |
| | mg/L | 0591 | WL | 12/16/2004 | 0002 | 4.22 - 4.22 | 0.710 | | FQ | # | 0.00042 | - |
| | mg/L | 0591 | WL | 01/26/2005 | 0001 | 4.22 - 4.22 | 0.130 | | FQ | # | 0.00011 | - |
| | mg/L | 0591 | WL | 01/27/2005 | N002 | 4.22 - 4.22 | 0.045 | | FQ | # | 0.00011 | - |
| | mg/L | 0591 | WL | 02/22/2005 | 0001 | 4.22 - 4.22 | 0.028 | | QF | # | 4.6E-06 | - |
| | mg/L | 0591 | WL | 02/24/2005 | N002 | 4.22 - 4.22 | 0.022 | | QF | # | 4.5E-05 | - |
| | mg/L | 0591 | WL | 03/14/2005 | 0001 | 4.22 - 4.22 | 0.140 | | QF | # | 4.5E-05 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0591 | WL | 03/15/2005 | 0002 | 4.22 - 4.22 | 0.0082 | | QF | # | 4.6E-06 | - |
| | mg/L | 0591 | WL | 08/26/2005 | 0001 | 4.40 - 4.40 | 0.0052 | | FQ | # | 3.8E-06 | - |
| | mg/L | 0591 | WL | 09/28/2005 | 0001 | 4.40 - 4.40 | 0.0053 | | QF | # | 4.8E-06 | - |
| | mg/L | 0591 | WL | 12/13/2005 | 0001 | 4.40 - 4.40 | 0.118 | | FQ | # | 0.00014 | - |
| | mg/L | 0603 | WL | 10/26/2005 | 0001 | 9.70 - 9.70 | 0.0169 | | QF | # | 0.00014 | - |
| | mg/L | 0603 | WL | 12/13/2005 | 0001 | 9.70 - 9.70 | 0.0108 | | FQ | # | 0.00014 | - |
| | mg/L | 0605 | WL | 10/19/2005 | 0001 | 9.90 - 9.90 | 0.220 | | FQ | # | 4.8E-05 | - |
| | mg/L | 0605 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 0.170 | | QF | # | 2.4E-05 | - |
| | mg/L | 0605 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 0.210 | | QF | # | 0.00024 | - |
| | mg/L | 0613 | WL | 10/19/2005 | 0001 | 1.70 - 1.70 | 1.000 | | FQ | # | 0.00024 | - |
| | mg/L | 0613 | WL | 11/09/2005 | 0001 | 1.70 - 1.70 | 0.740 | | QF | # | 0.00024 | - |
| | mg/L | 0615 | WL | 10/19/2005 | 0001 | 1.90 - 1.90 | 0.010 | | FQ | # | 4.8E-06 | - |
| | mg/L | 0615 | WL | 11/09/2005 | 0001 | 1.90 - 1.90 | 0.011 | | QF | # | 2.4E-05 | - |
| | mg/L | 0615 | WL | 12/07/2005 | 0001 | 1.90 - 1.90 | 0.019 | | QF | # | 4.8E-06 | - |
| | mg/L | 0616 | WL | 10/19/2005 | 0001 | 5.80 - 5.80 | 0.010 | | FQ | # | 4.8E-06 | - |
| | mg/L | 0616 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 0.016 | | QF | # | 2.4E-05 | - |
| | mg/L | 0616 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 0.046 | | QF | # | 4.8E-06 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 2:51 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0590','0591','0603','0613','0614','0604','0615','0616','0605') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0236 | 10/15/2004 | 0001 | 398 | | | # | - | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 292 | | | # | - | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 481 | | | # | - | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 810 | | | # | - | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 630 | | | # | - | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 506 | | | # | - | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 416 | | | # | - | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 420 | | | # | - | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 268 | | | # | - | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 142 | | | # | - | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 284 | | | # | - | - |
| | mg/L | 0236 | 09/28/2005 | 0001 | 146 | | | # | - | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 144 | | | # | - | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 154 | | | # | - | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 166 | | | # | - | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 818 | | | # | - | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 396 | | | # | - | - |
| | mg/L | 0240 | 07/27/2005 | 0001 | 138 | | | # | - | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 148 | | | # | - | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 232 | | | # | - | - |
| Ammonia Total as N | mg/L | 0236 | 10/15/2004 | 0001 | 95 | | | # | 2 | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 79 | | | # | 5 | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 170 | | | # | 10 | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 310 | | | # | 50 | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 290 | | | # | 50 | - |
| | mg/L | 0236 | 11/18/2004 | 0002 | 270 | | | # | 50 | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 190 | | | # | 50 | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 150 | | | # | 10 | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 170 | | | # | 20 | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 67 | | | # | 10 | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 0.1 | U | | # | 0.1 | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 35 | | | # | 5 | - |
| | mg/L | 0236 | 09/28/2005 | 0001 | 0.1 | U | | # | 0.1 | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 0.13 | | | # | 0.1 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 11 | | | # | 0.5 | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 0.1 | U | | # | 0.1 | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 320 | | | # | 50 | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 160 | | | # | 50 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0240 | 07/27/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 20 | | # | 1 | - |
| Bromide | mg/L | 0236 | 10/18/2005 | 0001 | 0.2 | U | # | 0.2 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 0.4 | U | # | 0.4 | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 0.2 | U | # | 0.2 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 1 | U | # | 1 | - |
| Chloride | mg/L | 0236 | 10/15/2004 | 0001 | 2000 | | # | 100 | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 1100 | | # | 40 | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 2000 | | # | 40 | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 2300 | | # | 40 | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 1500 | | # | 40 | - |
| | mg/L | 0236 | 11/18/2004 | 0002 | 1500 | | # | 40 | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 820 | | # | 20 | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 1800 | | # | 20 | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 1000 | | # | 40 | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 340 | | # | 20 | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 83 | | # | 2 | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 460 | | # | 10 | - |
| | mg/L | 0236 | 09/28/2005 | 0001 | 94 | | # | 4 | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 100 | | # | 2 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 190 | | # | 4 | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 93 | | # | 2 | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 2500 | | # | 40 | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 650 | | # | 20 | - |
| | mg/L | 0240 | 07/27/2005 | 0001 | 86 | | # | 2 | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 100 | | # | 4 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 310 | | # | 10 | - |
| Dissolved Oxygen | mg/L | 0236 | 11/01/2004 | N001 | 14.33 | | # | - | - |
| | mg/L | 0236 | 02/22/2005 | N001 | 16.25 | | # | - | - |
| | mg/L | 0236 | 03/14/2005 | N001 | 11.85 | | # | - | - |
| | mg/L | 0236 | 07/27/2005 | N001 | 5.91 | | # | - | - |
| | mg/L | 0236 | 08/24/2005 | N001 | 9.60 | | # | - | - |
| | mg/L | 0236 | 09/28/2005 | N001 | 11.52 | | # | - | - |
| | mg/L | 0236 | 10/18/2005 | N001 | 8.81 | | # | - | - |
| | mg/L | 0239 | 10/18/2005 | N001 | 9.47 | | # | - | - |
| | mg/L | 0240 | 07/27/2005 | N001 | 5.61 | | # | - | - |
| | mg/L | 0240 | 09/28/2005 | N001 | 11.79 | | # | - | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0240 | 10/19/2005 | N001 | 2.00 | # | - | - |
| Oxidation Reduction Potent | mV | 0236 | 10/15/2004 | N001 | 147 | # | - | - |
| | mV | 0236 | 10/19/2004 | N001 | 128 | # | - | - |
| | mV | 0236 | 11/01/2004 | N001 | 129 | # | - | - |
| | mV | 0236 | 11/03/2004 | N001 | 55 | # | - | - |
| | mV | 0236 | 11/18/2004 | N001 | 81 | # | - | - |
| | mV | 0236 | 12/15/2004 | N001 | 159 | # | - | - |
| | mV | 0236 | 01/26/2005 | N001 | -23 | # | - | - |
| | mV | 0236 | 02/22/2005 | N001 | 132 | # | - | - |
| | mV | 0236 | 03/14/2005 | N001 | 133 | # | - | - |
| | mV | 0236 | 07/27/2005 | N001 | 179 | # | - | - |
| | mV | 0236 | 08/24/2005 | N001 | 63 | # | - | - |
| | mV | 0236 | 09/28/2005 | N001 | 105 | # | - | - |
| | mV | 0236 | 10/18/2005 | N001 | 56.2 | # | - | - |
| | mV | 0236 | 11/02/2005 | N001 | 139.8 | # | - | - |
| | mV | 0239 | 10/18/2005 | N001 | 69.4 | # | - | - |
| | mV | 0240 | 11/03/2004 | N001 | 82 | # | - | - |
| | mV | 0240 | 12/15/2004 | N001 | 105 | # | - | - |
| | mV | 0240 | 07/27/2005 | N001 | 170 | # | - | - |
| | mV | 0240 | 09/28/2005 | N001 | 120.2 | # | - | - |
| | mV | 0240 | 10/19/2005 | N001 | -3.0 | # | - | - |
| pH | s.u. | 0236 | 10/15/2004 | N001 | 7.63 | # | - | - |
| | s.u. | 0236 | 10/19/2004 | N001 | 8.07 | # | - | - |
| | s.u. | 0236 | 11/01/2004 | N001 | 8.05 | # | - | - |
| | s.u. | 0236 | 11/03/2004 | N001 | 7.87 | # | - | - |
| | s.u. | 0236 | 11/18/2004 | N001 | 7.69 | # | - | - |
| | s.u. | 0236 | 12/15/2004 | N001 | 7.87 | # | - | - |
| | s.u. | 0236 | 01/26/2005 | N001 | 7.75 | # | - | - |
| | s.u. | 0236 | 02/22/2005 | N001 | 8.06 | # | - | - |
| | s.u. | 0236 | 03/14/2005 | N001 | 8.05 | # | - | - |
| | s.u. | 0236 | 07/27/2005 | N001 | 8.35 | # | - | - |
| | s.u. | 0236 | 08/24/2005 | N001 | 7.78 | # | - | - |
| | s.u. | 0236 | 09/28/2005 | N001 | 8.45 | # | - | - |
| | s.u. | 0236 | 10/18/2005 | N001 | 8.47 | # | - | - |
| | s.u. | 0236 | 11/02/2005 | N001 | 8.34 | # | - | - |
| | s.u. | 0239 | 10/18/2005 | N001 | 8.41 | # | - | - |
| | s.u. | 0240 | 11/03/2004 | N001 | 7.73 | # | - | - |
| | s.u. | 0240 | 12/15/2004 | N001 | 8.24 | # | - | - |

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0240 | 07/27/2005 | N001 | 8.23 | # | - | - |
| | s.u. | 0240 | 09/28/2005 | N001 | 8.59 | # | - | - |
| | s.u. | 0240 | 10/19/2005 | N001 | 7.31 | # | - | - |
| Specific Conductance | umhos/cm | 0236 | 10/15/2004 | N001 | 16476 | # | - | - |
| | umhos/cm | 0236 | 10/19/2004 | N001 | 4578 | # | - | - |
| | umhos/cm | 0236 | 11/01/2004 | N001 | 12306 | # | - | - |
| | umhos/cm | 0236 | 11/03/2004 | N001 | 19325 | # | - | - |
| | umhos/cm | 0236 | 11/18/2004 | N001 | 14675 | # | - | - |
| | umhos/cm | 0236 | 12/15/2004 | N001 | 9568 | # | - | - |
| | umhos/cm | 0236 | 01/26/2005 | N001 | 8290 | # | - | - |
| | umhos/cm | 0236 | 02/22/2005 | N001 | 9640 | # | - | - |
| | umhos/cm | 0236 | 03/14/2005 | N001 | 4252 | # | - | - |
| | umhos/cm | 0236 | 07/27/2005 | N001 | 1010 | # | - | - |
| | umhos/cm | 0236 | 08/24/2005 | N001 | 4791 | # | - | - |
| | umhos/cm | 0236 | 09/28/2005 | N001 | 1709 | # | - | - |
| | umhos/cm | 0236 | 10/18/2005 | N001 | 1240 | # | - | - |
| | umhos/cm | 0236 | 11/02/2005 | N001 | 1882 | # | - | - |
| | umhos/cm | 0239 | 10/18/2005 | N001 | 1164 | # | - | - |
| | umhos/cm | 0240 | 11/03/2004 | N001 | 19951 | # | - | - |
| | umhos/cm | 0240 | 12/15/2004 | N001 | 8218 | # | - | - |
| | umhos/cm | 0240 | 07/27/2005 | N001 | 1022 | # | - | - |
| | umhos/cm | 0240 | 09/28/2005 | N001 | 1171 | # | - | - |
| | umhos/cm | 0240 | 10/19/2005 | N001 | 3486 | # | - | - |
| Sulfate | mg/L | 0236 | 10/15/2004 | 0001 | 7000 | # | 250 | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 3800 | # | 100 | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 6300 | # | 100 | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 8100 | # | 100 | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 5700 | # | 100 | - |
| | mg/L | 0236 | 11/18/2004 | 0002 | 5700 | # | 100 | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 3400 | # | 50 | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 6400 | # | 50 | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 3800 | # | 100 | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 1300 | # | 50 | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 240 | # | 5 | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 1700 | # | 25 | - |
| | mg/L | 0236 | 09/28/2005 | 0001 | 320 | # | 10 | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 360 | # | 5 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 660 | # | 10 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0239 | 10/18/2005 | 0001 | 320 | # | 5 | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 8500 | # | 100 | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 3000 | # | 50 | - |
| | mg/L | 0240 | 07/27/2005 | 0001 | 240 | # | 5 | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 340 | # | 10 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 1100 | # | 25 | - |
| Temperature | C | 0236 | 10/15/2004 | N001 | 17.77 | # | - | - |
| | C | 0236 | 10/19/2004 | N001 | 16.07 | # | - | - |
| | C | 0236 | 11/01/2004 | N001 | 14.74 | # | - | - |
| | C | 0236 | 11/03/2004 | N001 | 12.63 | # | - | - |
| | C | 0236 | 11/18/2004 | N001 | 17.42 | # | - | - |
| | C | 0236 | 12/15/2004 | N001 | 11.02 | # | - | - |
| | C | 0236 | 01/26/2005 | N001 | 13.90 | # | - | - |
| | C | 0236 | 02/22/2005 | N001 | 19.63 | # | - | - |
| | C | 0236 | 03/14/2005 | N001 | 13.53 | # | - | - |
| | C | 0236 | 07/27/2005 | N001 | 26.19 | # | - | - |
| | C | 0236 | 08/24/2005 | N001 | 35.27 | # | - | - |
| | C | 0236 | 09/28/2005 | N001 | 17.21 | # | - | - |
| | C | 0236 | 10/18/2005 | N001 | 17.72 | # | - | - |
| | C | 0236 | 11/02/2005 | N001 | 12.31 | # | - | - |
| | C | 0239 | 10/18/2005 | N001 | 15.92 | # | - | - |
| | C | 0240 | 11/03/2004 | N001 | 9.99 | # | - | - |
| | C | 0240 | 12/15/2004 | N001 | 15.53 | # | - | - |
| | C | 0240 | 07/27/2005 | N001 | 26.01 | # | - | - |
| | C | 0240 | 09/28/2005 | N001 | 19.39 | # | - | - |
| | C | 0240 | 10/19/2005 | N001 | 12.07 | # | - | - |
| Total Dissolved Solids | mg/L | 0236 | 10/15/2004 | 0001 | 15000 | # | 200 | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 9200 | # | 200 | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 10000 | # | 200 | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 17000 | # | 400 | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 11000 | # | 400 | - |
| | mg/L | 0236 | 11/18/2004 | 0002 | 11000 | # | 400 | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 6800 | # | 200 | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 5700 | # | 200 | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 6900 | # | 200 | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 2500 | # | 80 | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 720 | # | 40 | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 3600 | # | 80 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0236 | 09/28/2005 | 0001 | 790 | | | # | 40 | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 830 | | | # | 20 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 1400 | | | # | 40 | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 750 | | | # | 20 | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 17000 | | | # | 400 | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 5800 | | | # | 200 | - |
| | mg/L | 0240 | 07/27/2005 | 0001 | 710 | | | # | 40 | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 810 | | | # | 40 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 2300 | | | # | 80 | - |
| Turbidity | NTU | 0236 | 10/19/2004 | N001 | 90.9 | | | # | - | - |
| | NTU | 0236 | 11/03/2004 | N001 | 35.7 | | | # | - | - |
| | NTU | 0236 | 11/18/2004 | N001 | 17.6 | | | # | - | - |
| | NTU | 0236 | 12/15/2004 | N001 | 24.4 | | | # | - | - |
| | NTU | 0236 | 01/26/2005 | N001 | 31.8 | | | # | - | - |
| | NTU | 0236 | 02/22/2005 | N001 | 129 | | | # | - | - |
| | NTU | 0236 | 03/14/2005 | N001 | 40.5 | | | # | - | - |
| | NTU | 0236 | 07/27/2005 | N001 | 566 | | | # | - | - |
| | NTU | 0236 | 08/24/2005 | N001 | 1000 | > | | # | - | - |
| | NTU | 0236 | 09/28/2005 | N001 | 80.4 | | | # | - | - |
| | NTU | 0236 | 10/18/2005 | N001 | 119 | | | # | - | - |
| | NTU | 0239 | 10/18/2005 | N001 | 970 | | | # | - | - |
| | NTU | 0240 | 11/03/2004 | N001 | 63.5 | | | # | - | - |
| | NTU | 0240 | 12/15/2004 | N001 | 477 | | | # | - | - |
| | NTU | 0240 | 07/27/2005 | N001 | 1000 | > | | # | - | - |
| | NTU | 0240 | 09/28/2005 | N001 | 73.9 | | | # | - | - |
| | NTU | 0240 | 10/19/2005 | N001 | 73.5 | | | # | - | - |
| Uranium | mg/L | 0236 | 10/15/2004 | 0001 | 2.200 | | J | # | 0.00083 | - |
| | mg/L | 0236 | 10/19/2004 | 0001 | 1.400 | | J | # | 0.00083 | - |
| | mg/L | 0236 | 11/01/2004 | 0001 | 1.700 | | | # | 0.00083 | - |
| | mg/L | 0236 | 11/03/2004 | 0001 | 2.600 | | J | # | 0.00083 | - |
| | mg/L | 0236 | 11/18/2004 | 0001 | 1.600 | | | # | 0.00083 | - |
| | mg/L | 0236 | 11/18/2004 | 0002 | 2.200 | | | # | 0.00083 | - |
| | mg/L | 0236 | 12/15/2004 | 0001 | 0.970 | | | # | 0.00083 | - |
| | mg/L | 0236 | 01/26/2005 | 0001 | 0.870 | | | # | 0.00046 | - |
| | mg/L | 0236 | 02/22/2005 | 0001 | 1.100 | E | | # | 0.00046 | - |
| | mg/L | 0236 | 03/14/2005 | 0001 | 0.390 | | | # | 4.5E-05 | - |
| | mg/L | 0236 | 07/27/2005 | 0001 | 0.00051 | | | # | 3.8E-06 | - |
| | mg/L | 0236 | 08/24/2005 | 0001 | 0.530 | | | # | 0.00019 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 10:03 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | SAMPLE: ID | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0236 | 09/28/2005 | 0001 | 0.010 | | | # | 4.8E-06 | - |
| | mg/L | 0236 | 10/18/2005 | 0001 | 0.015 | | | # | 4.8E-06 | - |
| | mg/L | 0236 | 11/02/2005 | 0001 | 0.130 | | | # | 2.4E-05 | - |
| | mg/L | 0239 | 10/18/2005 | 0001 | 0.0083 | | | # | 4.8E-06 | - |
| | mg/L | 0240 | 11/03/2004 | 0001 | 2.700 | | J | # | 0.00083 | - |
| | mg/L | 0240 | 12/15/2004 | 0001 | 0.880 | | | # | 0.00083 | - |
| | mg/L | 0240 | 07/27/2005 | 0001 | 0.005 | | | # | 3.8E-06 | - |
| | mg/L | 0240 | 09/28/2005 | 0001 | 0.012 | | | # | 4.8E-06 | - |
| | mg/L | 0240 | 10/19/2005 | 0001 | 0.230 | | | # | 9.5E-05 | - |

RECORDS: SELECTED FROM USEE800 WHERE site_code='MOA01' AND location_code in ('0236','0239','0240') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | |
|---|---|
| F | Low flow sampling method used. |
| J | Estimated value. |
| Q | Qualitative result due to sampling technique |
| U | Parameter analyzed for but was not detected. |
| G | Possible grout contamination, pH > 9. |
| L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result. |
| X | Location is undefined. |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 - 16.45 | 803 | | F # | - | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 803 | | F # | - | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 - 16.00 | 816 | | F # | - | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 884 | | F # | - | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 924 | | F # | - | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 844 | | F # | - | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 342 | | F # | - | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 388 | | F # | - | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 880 | | F # | - | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 - 27.00 | 840 | | F # | - | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 616 | | F # | - | - |
| | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 844 | | F # | - | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 610 | | F # | - | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 712 | | F # | - | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 690 | | F # | - | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 861 | | F # | - | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 628 | | F # | - | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 866 | | F # | - | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 - 31.00 | 644 | | F # | - | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 - 39.00 | 892 | | F # | - | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 39.00 - 39.00 | 1046 | | F # | - | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 1032 | | F # | - | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 1018 | | F # | - | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 970 | | F # | - | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 860 | | F # | - | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 - 46.00 | 664 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 274 | | F # | - | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 46.00 - 46.00 | 436 | | F # | - | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 310 | | F # | - | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 446 | | F # | - | - |
| Ammonia Total as N | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 - 16.45 | 340 | | F # | 10 | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 300 | | F # | 50 | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 - 16.00 | 380 | | F # | 50 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 340 | | F # | 50 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0002 | 17.00 - 17.00 | 340 | | F # | 50 | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 350 | | F # | 20 | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 370 | | F # | 20 | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 210 | | F # | 20 | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 250 | | F # | 20 | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 390 | | F # | 20 | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 - 27.00 | 390 | | F # | 20 | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 0.76 | | F # | 0.1 | - |
| | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 470 | | F # | 20 | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 130 | | F # | 20 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 149.000 | | F # | 5.49 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 88.200 | | F # | 0.549 | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 470 | | F # | 20 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 364.000 | | F # | 5.49 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 385.000 | | F # | 2.19 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 - 31.00 | 490 | | F # | 20 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 - 39.00 | 540 | | F # | 20 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 860 | | F # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 - 31.00 | 740 | | F # | 20 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 830 | | F # | 20 | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 790 | | F # | 50 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 - 46.00 | 420 | | F # | 20 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 420 | | F # | 20 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0002 | 54.00 - 54.00 | 420 | | F # | 20 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 290 | | F # | 20 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 590 | | F # | 20 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 560 | | F # | 20 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 800 | | F # | 50 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 840 | | F # | 50 | - |
| Biochemical Oxygen Dema | mg/L | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 2.27 | | F # | 0.1 | - |
| | mg/L | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 2.26 | | F # | 0.1 | - |
| Bromide | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 4 | U | F # | 4 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 5.1 | U | F # | 5.1 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 4.7 | | F # | 0.26 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 5.1 | U | F # | 5.1 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 3.4 | | F # | 0.26 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 10 | U | F # | 10 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 - 31.00 | 10 | U | F # | 10 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 4 | U | F # | 4 | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 10 | U | F # | 10 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 20 | U | F # | 20 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 20 | U | F # | 20 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 20 | U | F # | 20 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 20 | U | F # | 20 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 20 | U | F | # | 20 | - |
| Carbon Dioxide | mg/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 180 | | F | # | 0.53 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 180 | | F | # | 0.53 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 150 | | F | # | 0.53 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 170 | | F | # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 576 | | F | # | 9.2 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 295 | | F | # | 9.2 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 760 | | F | # | 9.2 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 425 | | F | # | 9.2 | - |
| Chloride | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 - 16.45 | 2000 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 1100 | | F | # | 40 | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 - 16.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0002 | 17.00 - 17.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 3300 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 2600 | | F | # | 40 | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 940 | | F | # | 40 | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 - 27.00 | 2900 | | F | # | 100 | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 1200 | | F | # | 40 | - |
| | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 4200 | | F | # | 100 | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 3400 | | F | # | 100 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 2960 | | F | # | 25 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 4050 | | F | # | 25 | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 2600 | | F | # | 100 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 2010 | J | F | # | 25 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 3050 | | F | # | 25 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 - 39.00 | 2900 | | F | # | 40 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 - 31.00 | 2300 | | F | # | 40 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 4100 | | F | # | 100 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 - 31.00 | 4200 | | F | # | 100 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 3800 | | F | # | 40 | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 3700 | | F | # | 100 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 - 46.00 | 3300 | | F | # | 100 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 3200 | | F | # | 40 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0002 | 54.00 - 54.00 | 3100 | | F | # | 40 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 53000 | | F | # | 1000 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 49000 | | F | # | 1000 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 49000 | | F | # | 1000 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 53000 | | F | # | 1000 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 52000 | | F | # | 1000 | - |
| Dissolved Organic Carbon | mg/L | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 3440 | H | JF | # | 43 | - |
| | mg/L | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 41.6 | | F | # | 0.474 | - |
| | mg/L | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 1740 | H | JF | # | 43 | - |
| | mg/L | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 0.99 | B | F | # | 0.47 | - |
| Dissolved Oxygen | mg/L | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 2.22 | | F | # | - | - |
| | mg/L | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 3.02 | | F | # | - | - |
| | mg/L | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 1.15 | | F | # | - | - |
| | mg/L | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 3.41 | | F | # | - | - |
| | mg/L | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 3.19 | | F | # | - | - |
| | mg/L | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 2.75 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 3.74 | | F # | - | - |
| | mg/L | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 3.14 | | F # | - | - |
| | mg/L | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 4.25 | | F # | - | - |
| | mg/L | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 3.14 | | F # | - | - |
| | mg/L | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 3.58 | | F # | - | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 4.7 | | F # | 0.07 | - |
| | mg/L | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 3.49 | | F # | - | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 2 | | F # | 0.07 | - |
| | mg/L | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 4.07 | | F # | - | - |
| | mg/L | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 3.73 | | F # | - | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 4.3 | | F # | 0.07 | - |
| | mg/L | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 2.09 | | F # | - | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 3.3 | | F # | 0.07 | - |
| | mg/L | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 5.16 | | F # | - | - |
| | mg/L | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 1.52 | | F # | - | - |
| | mg/L | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 1.96 | | F # | - | - |
| | mg/L | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 1.82 | | F # | - | - |
| | mg/L | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 1.85 | | F # | - | - |
| | mg/L | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 0.74 | | F # | - | - |
| | mg/L | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 1.02 | | F # | - | - |
| | mg/L | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 1.84 | | F # | - | - |
| | mg/L | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 1.51 | | F # | - | - |
| | mg/L | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 0.46 | | F # | - | - |
| | mg/L | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 0.51 | | F # | - | - |
| | mg/L | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 0.37 | | F # | - | - |
| | mg/L | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 1.06 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.2 | | F | # | 0.03 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.04 | | F | # | 0.03 | - |
| Iron (II) | mg/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 0.2 | J | F | # | 0.1 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 1 | J | F | # | 0.1 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 0.3 | J | F | # | 0.1 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 1 | | F | # | 0.1 | - |
| Manganese | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 3.320 | | F | # | 0.001 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 2.390 | N | F | # | 0.001 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 4.370 | | F | # | 0.001 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 4.630 | N | F | # | 0.001 | - |
| Manganese (II) | mg/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 3.6 | | F | # | - | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 2.8 | | F | # | 0.2 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 2.5 | | F | # | - | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 5.4 | J | F | # | 0.2 | - |
| Methane | ug/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 1.9 | | F | # | 0.011 | - |
| | ug/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 1.5 | U | F | # | 0.011 | - |
| | ug/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 1.5 | | F | # | 0.011 | - |
| | ug/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 1.1 | U | F | # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 513.000 | | F | # | 2.69 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate + Nitrite as Nitrogen | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 521.000 | | F | # | 2.69 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 141.000 | | F | # | 2.69 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 193.000 | | F | # | 2.69 | - |
| Nitrifying Bacteria | cfu/mL | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 1000 | U | F | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 26.1 | | F | # | 0.005 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.008 | | F | # | 0.005 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.125 | | F | # | 0.005 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.005 | U | F | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0686 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 20 | | F | # | 0.06 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0002 | 18.00 - 18.00 | 14 | | F | # | 0.06 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0002 | 28.00 - 28.00 | 18 | | F | # | 0.06 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0002 | 28.00 - 28.00 | 18 | | F | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.4 | | F | # | 0.3 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 2.7 | | F | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0404 | WL | 05/06/2004 | N001 | 16.45 - 16.45 | 222 | | F | # | - | - |
| | mV | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 156.7 | | F | # | - | - |
| | mV | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 152.8 | | F | # | - | - |
| | mV | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 231 | | F | # | - | - |
| | mV | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 224 | | F | # | - | - |
| | mV | 0404 | WL | 11/03/2005 | N001 | 17.00 - 17.00 | 166.2 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 231 | | F | # | - | - |
| | mV | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 227 | | F | # | - | - |
| | mV | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 218 | | F | # | - | - |
| | mV | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 218 | | F | # | - | - |
| | mV | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 210 | | F | # | - | - |
| | mV | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 228 | | F | # | - | - |
| | mV | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 223 | | F | # | - | - |
| | mV | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 249.2 | | F | # | - | - |
| | mV | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 87.4 | | F | # | - | - |
| | mV | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 229 | | F | # | - | - |
| | mV | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 222.7 | | F | # | - | - |
| | mV | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 168.0 | | F | # | - | - |
| | mV | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 202 | | F | # | - | - |
| | mV | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 203 | | F | # | - | - |
| | mV | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 148.7 | | F | # | - | - |
| | mV | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 103.5 | | F | # | - | - |
| | mV | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 220 | | F | # | - | - |
| | mV | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 115.1 | | F | # | - | - |
| | mV | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 196 | | F | # | - | - |
| | mV | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 199 | | F | # | - | - |
| | mV | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 117.9 | | F | # | - | - |
| | mV | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 160.2 | | F | # | - | - |
| | mV | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 204 | | F | # | - | - |
| | mV | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 114.3 | | F | # | - | - |
| pH | s.u. | 0404 | WL | 05/06/2004 | N001 | 16.45 - 16.45 | 6.72 | | F | # | - | - |
| | s.u. | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 6.77 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 6.64 | | F | # | - | - |
| | s.u. | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 6.85 | | F | # | - | - |
| | s.u. | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 6.74 | | F | # | - | - |
| | s.u. | 0404 | WL | 11/03/2005 | N001 | 17.00 - 17.00 | 6.82 | | F | # | - | - |
| | s.u. | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 6.96 | | F | # | - | - |
| | s.u. | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 6.92 | | F | # | - | - |
| | s.u. | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 6.74 | | F | # | - | - |
| | s.u. | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 6.74 | | F | # | - | - |
| | s.u. | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 6.80 | | F | # | - | - |
| | s.u. | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 6.74 | | F | # | - | - |
| | s.u. | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 6.66 | | F | # | - | - |
| | s.u. | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 6.67 | | F | # | - | - |
| | s.u. | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 6.65 | | F | # | - | - |
| | s.u. | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 6.80 | | F | # | - | - |
| | s.u. | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 6.84 | | F | # | - | - |
| | s.u. | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 6.74 | | F | # | - | - |
| | s.u. | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 6.74 | | F | # | - | - |
| | s.u. | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 6.71 | | F | # | - | - |
| | s.u. | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 6.79 | | F | # | - | - |
| | s.u. | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 6.78 | | F | # | - | - |
| | s.u. | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 6.76 | | F | # | - | - |
| | s.u. | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 6.84 | | F | # | - | - |
| | s.u. | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 6.68 | | F | # | - | - |
| | s.u. | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 6.68 | | F | # | - | - |
| | s.u. | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 6.74 | | F | # | - | - |
| | s.u. | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 6.70 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 6.63 | | F | # | - | - |
| | s.u. | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 6.71 | | F | # | - | - |
| Phosphorus | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.0768 | | JF | # | 0.0101 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.237 | | F | # | 0.0101 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.255 | | JF | # | 0.0101 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.204 | | F | # | 0.0101 | - |
| Selenium | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.0202 | | F | # | 0.00057 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.0175 | | F | # | 0.00057 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.0166 | | F | # | 0.00057 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.0185 | | F | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0404 | WL | 05/06/2004 | N001 | 16.45 - 16.45 | 18180 | | F | # | - | - |
| | umhos/cm | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 19264 | | F | # | - | - |
| | umhos/cm | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 18863 | | F | # | - | - |
| | umhos/cm | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 16650 | | F | # | - | - |
| | umhos/cm | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 24180 | | F | # | - | - |
| | umhos/cm | 0404 | WL | 11/03/2005 | N001 | 17.00 - 17.00 | 20251 | | F | # | - | - |
| | umhos/cm | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 8681 | | F | # | - | - |
| | umhos/cm | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 11430 | | F | # | - | - |
| | umhos/cm | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 19670 | | F | # | - | - |
| | umhos/cm | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 23290 | | F | # | - | - |
| | umhos/cm | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 13010 | | F | # | - | - |
| | umhos/cm | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 29230 | | F | # | - | - |
| | umhos/cm | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 24290 | | F | # | - | - |
| | umhos/cm | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 24044 | | F | # | - | - |
| | umhos/cm | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 20460 | | F | # | - | - |
| | umhos/cm | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 21200 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 20211 | | F | # | - | - |
| | umhos/cm | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 19930 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 19543 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 23685 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 28008 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 32043 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 27150 | | F | # | - | - |
| | umhos/cm | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 26010 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 24788 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 25107 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 94501 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 109023 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 105500 | | F | # | - | - |
| | umhos/cm | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 93320 | | F | # | - | - |
| Sulfate | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 - 16.45 | 7800 | | F | # | 250 | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 4500 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 - 16.00 | 8400 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 7400 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0002 | 17.00 - 17.00 | 7300 | | F | # | 100 | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 9800 | | F | # | 100 | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 3100 | | F | # | 100 | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 4400 | | F | # | 100 | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 8800 | | F | # | 100 | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 - 27.00 | 9900 | | F | # | 250 | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 6300 | | F | # | 100 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 13000 | | F | # | 250 | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 8400 | | F | # | 250 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 7580 | | F | # | 61.2 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 11000 | | F | # | 61.2 | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 9500 | | F | # | 250 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 7780 | | F | # | 61.2 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 11300 | | F | # | 61.2 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 - 31.00 | 8600 | | F | # | 100 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 - 39.00 | 9700 | | F | # | 100 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 13000 | | F | # | 250 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 - 31.00 | 13000 | | F | # | 250 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 13000 | | F | # | 100 | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 12000 | | F | # | 250 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 10000 | | F | # | 100 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 - 46.00 | 11000 | | F | # | 250 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0002 | 54.00 - 54.00 | 10000 | | F | # | 100 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 6300 | | F | # | 50 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 7000 | | F | # | 50 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 7000 | | F | # | 50 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 8000 | | F | # | 50 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 7800 | | F | # | 50 | - |
| Sulfide | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 0.01 | | F | # | 0.01 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 0.01 | U | F | # | 0.01 | - |
| Temperature | C | 0404 | WL | 05/06/2004 | N001 | 16.45 - 16.45 | 16.48 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 18.05 | F | # | - | - |
| | C | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 15.35 | F | # | - | - |
| | C | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 12.91 | F | # | - | - |
| | C | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 17.56 | F | # | - | - |
| | C | 0404 | WL | 11/03/2005 | N001 | 17.00 - 17.00 | 17.57 | F | # | - | - |
| | C | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 16.58 | F | # | - | - |
| | C | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 16.15 | F | # | - | - |
| | C | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 17.49 | F | # | - | - |
| | C | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 18.19 | F | # | - | - |
| | C | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 20.24 | F | # | - | - |
| | C | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 17.26 | F | # | - | - |
| | C | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 17.05 | F | # | - | - |
| | C | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 18.57 | F | # | - | - |
| | C | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 11.47 | F | # | - | - |
| | C | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 16.19 | F | # | - | - |
| | C | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 18.11 | F | # | - | - |
| | C | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 12.22 | F | # | - | - |
| | C | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 18.72 | F | # | - | - |
| | C | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 18.75 | F | # | - | - |
| | C | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 15.77 | F | # | - | - |
| | C | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 16.11 | F | # | - | - |
| | C | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 16.1 | F | # | - | - |
| | C | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 12.01 | F | # | - | - |
| | C | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 17.59 | F | # | - | - |
| | C | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 18.08 | F | # | - | - |
| | C | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 18.35 | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 17.62 | | F | # | - | - |
| | C | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 16.1 | | F | # | - | - |
| | C | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 14.10 | | F | # | - | - |
| Total Dissolved Solids | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 - 16.45 | 15000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 - 16.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 - 17.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0002 | 17.00 - 17.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 21000 | | F | # | 400 | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 - 17.00 | 19000 | | F | # | 400 | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 5900 | | F | # | 400 | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 8400 | | F | # | 400 | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 16000 | | F | # | 400 | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 - 27.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 - 17.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 26000 | | F | # | 400 | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 - 18.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 18800 | | F | # | 3.6 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 17600 | | F | # | 3.6 | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 - 28.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 16500 | | F | # | 3.6 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 - 39.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 - 31.00 | 17000 | | F | # | 400 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 - 31.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 - 31.00 | 23000 | | F | # | 1000 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 - 31.00 | 22000 | | F | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 - 31.00 | 22000 | | F | # | 1000 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 22000 | | F | # | 400 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 - 46.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0002 | 54.00 - 54.00 | 23000 | | F | # | 400 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 86000 | | F | # | 2000 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 79000 | | F | # | 2000 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 82000 | | F | # | 2000 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 74000 | | F | # | 2000 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 73000 | | F | # | 2000 | - |
| Total Inorganic Carbon | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.22 | U | F | # | 0.22 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 69.0 | | F | # | 4.4 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 100 | | F | # | 11.1 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 111 | | F | # | 4.4 | - |
| Total Kjeldahl Nitrogen | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 102 | | F | # | 0.061 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 - 18.00 | 40.9 | | F | # | 0.12 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 - 28.00 | 595 | | F | # | 0.12 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 - 28.00 | 421 | | F | # | 0.49 | - |
| Total Organic Carbon | mg/L | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 4980 | H | JF | # | 43 | - |
| | mg/L | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 4.3 | B | JF | # | 2.4 | - |
| | mg/L | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 3390 | H | JF | # | 43 | - |
| | mg/L | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 5.4 | | JF | # | 0.47 | - |
| Turbidity | NTU | 0404 | WL | 05/06/2004 | N001 | 16.45 - 16.45 | 3.79 | | F | # | - | - |
| | NTU | 0404 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 3.57 | | F | # | - | - |
| | NTU | 0404 | WL | 10/28/2004 | N001 | 16.00 - 16.00 | 0.76 | | F | # | - | - |
| | NTU | 0404 | WL | 04/20/2005 | N001 | 17.00 - 17.00 | 2.85 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0404 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 5.23 | | F # | - | - |
| | NTU | 0404 | WL | 11/03/2005 | N001 | 17.00 - 17.00 | 3.84 | | F # | - | - |
| | NTU | 0680 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 1.36 | | F # | - | - |
| | NTU | 0681 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 2.81 | | F # | - | - |
| | NTU | 0682 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 3.59 | | F # | - | - |
| | NTU | 0683 | WL | 09/30/2005 | N001 | 27.00 - 27.00 | 4.78 | | F # | - | - |
| | NTU | 0684 | WL | 09/30/2005 | N001 | 17.00 - 17.00 | 4.34 | | F # | - | - |
| | NTU | 0685 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 8.11 | | F # | - | - |
| | NTU | 0686 | WL | 09/30/2005 | N001 | 18.00 - 18.00 | 1.68 | | F # | - | - |
| | NTU | 0686 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 2.46 | | F # | - | - |
| | NTU | 0686 | WL | 12/15/2005 | N001 | 18.00 - 18.00 | 1.68 | | F # | - | - |
| | NTU | 0687 | WL | 09/30/2005 | N001 | 28.00 - 28.00 | 109 | | F # | - | - |
| | NTU | 0687 | WL | 10/26/2005 | N001 | 28.00 - 28.00 | 8.69 | | F # | - | - |
| | NTU | 0687 | WL | 12/15/2005 | N001 | 28.00 - 28.00 | 3.22 | | F # | - | - |
| | NTU | 0688 | WL | 08/10/2005 | N001 | 31.00 - 31.00 | 0.77 | | F # | - | - |
| | NTU | 0688 | WL | 08/10/2005 | N001 | 39.00 - 39.00 | 4.57 | | F # | - | - |
| | NTU | 0688 | WL | 10/20/2005 | N001 | 39.00 - 39.00 | 1.59 | | F # | - | - |
| | NTU | 0688 | WL | 10/20/2005 | N001 | 31.00 - 31.00 | 1.61 | | F # | - | - |
| | NTU | 0688 | WL | 11/09/2005 | N001 | 31.00 - 31.00 | 1.24 | | F # | - | - |
| | NTU | 0688 | WL | 12/07/2005 | N001 | 31.00 - 31.00 | 7.71 | | F # | - | - |
| | NTU | 0689 | WL | 08/10/2005 | N001 | 46.00 - 46.00 | 4.31 | | F # | - | - |
| | NTU | 0689 | WL | 08/10/2005 | N001 | 54.00 - 54.00 | 9.07 | | F # | - | - |
| | NTU | 0689 | WL | 10/20/2005 | N001 | 46.00 - 46.00 | 2.23 | | F # | - | - |
| | NTU | 0689 | WL | 10/20/2005 | N001 | 54.00 - 54.00 | 2.77 | | F # | - | - |
| | NTU | 0689 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 6.27 | | F # | - | - |
| | NTU | 0689 | WL | 12/07/2005 | N001 | 54.00 - 54.00 | 9.09 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0404 | WL | 05/06/2004 | 0001 | 16.45 -16.45 | 2.100 | | F | # | 0.00069 | - |
| | mg/L | 0404 | WL | 08/11/2004 | 0001 | 17.00 -17.00 | 2.200 | | F | # | 0.0012 | - |
| | mg/L | 0404 | WL | 10/28/2004 | 0001 | 16.00 -16.00 | 2.100 | | F | # | 0.00083 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0001 | 17.00 -17.00 | 2.500 | | F | # | 0.00022 | - |
| | mg/L | 0404 | WL | 04/20/2005 | 0002 | 17.00 -17.00 | 2.400 | | F | # | 0.00022 | - |
| | mg/L | 0404 | WL | 09/30/2005 | 0001 | 18.00 -18.00 | 3.800 | | F | # | 0.00048 | - |
| | mg/L | 0404 | WL | 11/03/2005 | 0001 | 17.00 -17.00 | 3.200 | | F | # | 0.00048 | - |
| | mg/L | 0680 | WL | 09/30/2005 | 0001 | 18.00 -18.00 | 1.000 | | F | # | 0.00048 | - |
| | mg/L | 0681 | WL | 09/30/2005 | 0001 | 17.00 -17.00 | 1.200 | | F | # | 0.00048 | - |
| | mg/L | 0682 | WL | 09/30/2005 | 0001 | 28.00 -28.00 | 2.500 | | F | # | 0.00048 | - |
| | mg/L | 0683 | WL | 09/30/2005 | 0001 | 27.00 -27.00 | 3.100 | | F | # | 0.00048 | - |
| | mg/L | 0684 | WL | 09/30/2005 | 0001 | 17.00 -17.00 | 3.000 | | F | # | 0.00095 | - |
| | mg/L | 0685 | WL | 09/30/2005 | 0001 | 28.00 -28.00 | 5.900 | | F | # | 0.00048 | - |
| | mg/L | 0686 | WL | 09/30/2005 | 0001 | 18.00 -18.00 | 3.400 | | F | # | 0.00048 | - |
| | mg/L | 0686 | WL | 10/26/2005 | 0001 | 18.00 -18.00 | 2.890 | | F | # | 0.00014 | - |
| | mg/L | 0686 | WL | 12/15/2005 | 0001 | 18.00 -18.00 | 3.450 | N | F | # | 0.00014 | - |
| | mg/L | 0687 | WL | 09/30/2005 | 0001 | 28.00 -28.00 | 2.700 | | F | # | 0.00048 | - |
| | mg/L | 0687 | WL | 10/26/2005 | 0001 | 28.00 -28.00 | 2.200 | | F | # | 0.00014 | - |
| | mg/L | 0687 | WL | 12/15/2005 | 0001 | 28.00 -28.00 | 2.650 | N | F | # | 0.00014 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 31.00 -31.00 | 2.700 | | F | # | 0.00038 | - |
| | mg/L | 0688 | WL | 08/10/2005 | 0001 | 39.00 -39.00 | 4.100 | | F | # | 0.00038 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0001 | 31.00 -31.00 | 3.300 | | F | # | 0.00048 | - |
| | mg/L | 0688 | WL | 10/20/2005 | 0002 | 31.00 -31.00 | 3.300 | | F | # | 0.00048 | - |
| | mg/L | 0688 | WL | 11/09/2005 | 0001 | 31.00 -31.00 | 3.600 | | F | # | 0.00048 | - |
| | mg/L | 0688 | WL | 12/07/2005 | 0001 | 31.00 -31.00 | 3.000 | | F | # | 0.00024 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0001 | 46.00 -46.00 | 4.700 | | F | # | 0.00038 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0689 | WL | 08/10/2005 | 0001 | 54.00 - 54.00 | 4.900 | | F | # | 0.00038 | - |
| | mg/L | 0689 | WL | 08/10/2005 | 0002 | 54.00 - 54.00 | 4.600 | | F | # | 0.00038 | - |
| | mg/L | 0689 | WL | 10/20/2005 | 0001 | 54.00 - 54.00 | 0.640 | | F | # | 4.8E-05 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 0.980 | | F | # | 9.5E-05 | - |
| | mg/L | 0689 | WL | 11/09/2005 | 0002 | 54.00 - 54.00 | 0.810 | | F | # | 9.5E-05 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0001 | 54.00 - 54.00 | 1.300 | | F | # | 0.00024 | - |
| | mg/L | 0689 | WL | 12/07/2005 | 0002 | 54.00 - 54.00 | 1.400 | | F | # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:54 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0404','0680','0681','0682','0683','0684','0685','0686','0687','0688','0689') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 485 | | F | # | - | - |
| Ammonia Total as N | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 239.000 | | QF | # | 5.49 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 270.000 | | FQ | # | 2.19 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 422.000 | | QF | # | 5.49 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 469.000 | | FQ | # | 5.49 | - |
| | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 110 | | FQ | # | 20 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 110 | | QF | # | 10 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 170 | | QF | # | 50 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 443.000 | | QF | # | 5.49 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 483.000 | | FQ | # | 5.49 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 17 | | FQ | # | 1 | - |
| | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 37 | | QF | # | 1 | - |
| | mg/L | 0696 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 68 | | QF | # | 2 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 200 | | F | # | 20 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 230 | | F | # | 10 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 - 4.80 | 230 | | F | # | 10 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 250 | | QF | # | 50 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 - 9.80 | 670 | | FQ | # | 20 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 - 9.80 | 530 | | QF | # | 20 | - |
| | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 - 9.80 | 540 | | QF | # | 50 | - |
| Biochemical Oxygen Dema | mg/L | 0694 | WL | 12/13/2005 | N005 | 4.30 - 4.30 | 1.4 | | QF | # | 0.1 | - |
| | mg/L | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 3.18 | | QF | # | 0.1 | - |
| Bromide | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 1.1 | | FQ | # | 0.026 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 0.75 | | FQ | # | 0.026 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 1 | U | FQ | # | 1 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 1 | U | QF | # | 1 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 2 | U | QF | # | 2 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0001 | 4.30 - 4.30 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 25.7 | U | FQ | # | 25.7 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 0.4 | U | FQ | # | 0.4 | - |
| | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0696 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 0.4 | U | QF | # | 0.4 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 2 | U | F | # | 2 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 2 | U | F | # | 2 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 - 4.80 | 2 | U | F | # | 2 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 2 | U | QF | # | 2 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 - 9.80 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 - 9.80 | 4 | U | QF | # | 4 | - |
| | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 - 9.80 | 4 | U | QF | # | 4 | - |
| Carbon Dioxide | mg/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 49 | | QF | # | 0.53 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 60 | | FQ | # | 0.53 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 29 | | QF | # | 0.53 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 54 | | FQ | # | 0.53 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 9.2 | | F | # | 0.53 | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 11 | | FQ | # | 0.53 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 69 | | QF | # | 0.53 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 54 | | FQ | # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 346 | | QF | # | 9.2 | - |
| Chloride | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 2630 | J | QF | # | 25 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 2410 | J | FQ | # | 25 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 1860 | J | QF | # | 25 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 2510 | J | FQ | # | 25 | - |
| | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 430 | | FQ | # | 10 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 470 | | QF | # | 10 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 810 | | QF | # | 20 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0001 | 4.30 - 4.30 | 1760 | J | F | # | 25 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 1950 | J | QF | # | 25 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 2160 | J | FQ | # | 25 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 100 | | FQ | # | 4 | - |
| | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 100 | | QF | # | 4 | - |
| | mg/L | 0696 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 140 | | QF | # | 10 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 570 | | F | # | 20 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 720 | | F | # | 20 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 - 4.80 | 740 | | F | # | 20 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 930 | | QF | # | 20 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 - 9.80 | 1900 | | FQ | # | 40 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 - 9.80 | 1800 | | QF | # | 40 | - |
| | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 - 9.80 | 2300 | | QF | # | 40 | - |
| Dissolved Organic Carbon | mg/L | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 11.8 | | FQ | # | 0.474 | - |
| | mg/L | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 2110 | H | JQF | # | 43 | - |
| | mg/L | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 0.73 | B | FQ | # | 0.47 | - |
| Dissolved Oxygen | mg/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 4.3 | | QF | # | 0.07 | - |
| | mg/L | 0691 | WL | 10/26/2005 | N001 | 4.90 - 4.90 | 3.03 | | QF | # | - | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 6.1 | | FQ | # | 0.07 | - |
| | mg/L | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 5.20 | | FQ | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | SAMPLE: ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 6.3 | | QF | # | 0.07 | - |
| | mg/L | 0692 | WL | 10/26/2005 | N001 | 9.60 - 9.60 | 2.19 | | QF | # | - | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 4.8 | | FQ | # | 0.07 | - |
| | mg/L | 0692 | WL | 12/13/2005 | N001 | 9.60 - 9.60 | 4.68 | | FQ | # | - | - |
| | mg/L | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 0.19 | | FQ | # | - | - |
| | mg/L | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 5.23 | | QF | # | - | - |
| | mg/L | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 6.26 | | QF | # | - | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 3 | | F | # | 0.07 | - |
| | mg/L | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | 5.10 | | F | # | - | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 6.3 | | FQ | # | 0.07 | - |
| | mg/L | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 6.00 | | FQ | # | - | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 7.3 | | QF | # | 0.07 | - |
| | mg/L | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 3.61 | | QF | # | - | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 6 | | FQ | # | 0.07 | - |
| | mg/L | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 5.58 | | FQ | # | - | - |
| | mg/L | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | 0.86 | | FQ | # | - | - |
| | mg/L | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 7.46 | | QF | # | - | - |
| | mg/L | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 10.58 | | QF | # | - | - |
| | mg/L | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | 0.13 | | F | # | - | - |
| | mg/L | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 4.01 | | F | # | - | - |
| | mg/L | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 8.48 | | QF | # | - | - |
| | mg/L | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | 0.08 | | FQ | # | - | - |
| | mg/L | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | 1.88 | | QF | # | - | - |
| | mg/L | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | 4.91 | | QF | # | - | - |
| Iron | mg/L | 0691 | WL | 10/28/2005 | 0005 | 4.90 - 4.90 | 0.03 | U | QF | # | 0.03 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.03 | U | QF | # | 0.03 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.0074 | U | FQ | # | 0.0074 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 0.472 | | QF | # | 0.0074 | - |
| | mg/L | 0692 | WL | 10/28/2005 | 0005 | 9.60 - 9.60 | 0.48 | | QF | # | 0.03 | - |
| | mg/L | 0692 | WL | 12/15/2005 | 0005 | 9.60 - 9.60 | 0.12 | | QF | # | 0.03 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.797 | | QF | # | 0.0074 | - |
| | mg/L | 0695 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.61 | | QF | # | 0.03 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.417 | | FQ | # | 0.0074 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.42 | | QF | # | 0.03 | - |
| Iron (II) | mg/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 0.5 | J | QF | # | 0.1 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 1 | | FQ | # | 0.1 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 0.2 | J | QF | # | 0.1 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 1 | | FQ | # | 0.1 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 1 | U | F | # | 0.1 | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 1 | J | FQ | # | 0.1 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 0.3 | J | QF | # | 0.1 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 1 | | FQ | # | 0.1 | - |
| Manganese | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 3.910 | | FQ | # | 0.001 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 3.570 | | QF | # | 0.001 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 4.000 | | QF | # | 0.001 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 3.980 | | FQ | # | 0.001 | - |
| Manganese (II) | mg/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 5.5 | | QF | # | - | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 6.6 | | FQ | # | - | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 2.8 | | QF | # | - | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 4.7 | | FQ | # | - | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 4.8 | | F | # | - | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 0.5 | | FQ | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (II) | mg/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 3.8 | | QF | # | - | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 4.1 | | FQ | # | - | - |
| Methane | ug/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 4 | | QF | # | 0.011 | - |
| | ug/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 1.8 | UM | FQ | # | 0.011 | - |
| | ug/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 1.3 | | QF | # | 0.011 | - |
| | ug/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 1 | UM | FQ | # | 0.011 | - |
| | ug/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 4.9 | | F | # | 0.011 | - |
| | ug/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 9.7 | UM | FQ | # | 0.011 | - |
| | ug/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 0.86 | | QF | # | 0.011 | - |
| | ug/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 0.87 | UM | FQ | # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 254.000 | | QF | # | 2.69 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 220.000 | | JFQ | # | 2.69 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 110.000 | | QF | # | 1.35 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 231.000 | | JFQ | # | 2.69 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0001 | 4.30 - 4.30 | 102.000 | | F | # | 1.35 | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0001 | 4.30 - 4.30 | 77.900 | | JFQ | # | 0.269 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 126.000 | | QF | # | 2.69 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 127.000 | | JFQ | # | 0.538 | - |
| Nitrifying Bacteria | cfu/mL | 0691 | WL | 10/28/2005 | N005 | 4.90 - 4.90 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0692 | WL | 10/28/2005 | N005 | 9.60 - 9.60 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0692 | WL | 12/15/2005 | N005 | 9.60 - 9.60 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0694 | WL | 12/13/2005 | N005 | 4.30 - 4.30 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0695 | WL | 10/28/2005 | N005 | 9.80 - 9.80 | 100000 | | QF | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite as Nitrogen | mg/L | 0691 | WL | 10/28/2005 | 0005 | 4.90 - 4.90 | 1.39 | | QF | # | 0.005 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.68 | | QF | # | 0.005 | - |
| | mg/L | 0692 | WL | 10/28/2005 | 0005 | 9.60 - 9.60 | 5.6 | | QF | # | 0.005 | - |
| | mg/L | 0692 | WL | 12/15/2005 | 0005 | 9.60 - 9.60 | 5.95 | | QF | # | 0.005 | - |
| | mg/L | 0695 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 5.7 | | QF | # | 0.005 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 2.7 | | QF | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0691 | WL | 10/26/2005 | 0002 | 4.90 - 4.90 | 20 | | QF | # | 0.06 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0002 | 4.90 - 4.90 | 22 | | FQ | # | 0.06 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0002 | 9.60 - 9.60 | 22 | | QF | # | 0.06 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0002 | 9.60 - 9.60 | 21 | | FQ | # | 0.06 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0002 | 4.30 - 4.30 | 11 | | F | # | 0.06 | - |
| | mg/L | 0694 | WL | 12/14/2005 | 0002 | 4.30 - 4.30 | 20 | | FQ | # | 0.06 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 20 | | QF | # | 0.06 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 21 | | FQ | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0691 | WL | 10/28/2005 | 0005 | 4.90 - 4.90 | 3.3 | | QF | # | 0.3 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.3 | U | QF | # | 0.3 | - |
| | mg/L | 0692 | WL | 10/28/2005 | 0005 | 9.60 - 9.60 | 0.3 | U | QF | # | 0.3 | - |
| | mg/L | 0692 | WL | 12/15/2005 | 0005 | 9.60 - 9.60 | 1.3 | | QF | # | 0.3 | - |
| | mg/L | 0695 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.3 | U | QF | # | 0.3 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.3 | U | QF | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0691 | WL | 10/26/2005 | N001 | 4.90 - 4.90 | -86.4 | | QF | # | - | - |
| | mV | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 66.8 | | FQ | # | - | - |
| | mV | 0692 | WL | 10/26/2005 | N001 | 9.60 - 9.60 | -293.9 | | QF | # | - | - |
| | mV | 0692 | WL | 12/13/2005 | N001 | 9.60 - 9.60 | 61.0 | | FQ | # | - | - |
| | mV | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 125.7 | | FQ | # | - | - |
| | mV | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 90.0 | | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 24 | QF | # | - | - |
| | mV | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | -218.5 | F | # | - | - |
| | mV | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 75.2 | FQ | # | - | - |
| | mV | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | -309.8 | QF | # | - | - |
| | mV | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | -11.8 | FQ | # | - | - |
| | mV | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | -44.3 | FQ | # | - | - |
| | mV | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 103.0 | QF | # | - | - |
| | mV | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | -26 | QF | # | - | - |
| | mV | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | -197.9 | F | # | - | - |
| | mV | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 122.0 | F | # | - | - |
| | mV | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 33 | QF | # | - | - |
| | mV | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | -281.6 | FQ | # | - | - |
| | mV | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | -75.0 | QF | # | - | - |
| | mV | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | -51 | QF | # | - | - |
| pH | s.u. | 0691 | WL | 10/26/2005 | N001 | 4.90 - 4.90 | 7.43 | QF | # | - | - |
| | s.u. | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 7.72 | FQ | # | - | - |
| | s.u. | 0692 | WL | 10/26/2005 | N001 | 9.60 - 9.60 | 8.15 | QF | # | - | - |
| | s.u. | 0692 | WL | 12/13/2005 | N001 | 9.60 - 9.60 | 8.32 | FQ | # | - | - |
| | s.u. | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 8.04 | FQ | # | - | - |
| | s.u. | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 8.38 | QF | # | - | - |
| | s.u. | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 7.73 | QF | # | - | - |
| | s.u. | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | 8.48 | F | # | - | - |
| | s.u. | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 8.75 | FQ | # | - | - |
| | s.u. | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 8.36 | QF | # | - | - |
| | s.u. | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 8.75 | FQ | # | - | - |
| | s.u. | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | 8.82 | FQ | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 9.02 | | QF | # | - | - |
| | s.u. | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 9.42 | | QF | # | - | - |
| | s.u. | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | 8.52 | | F | # | - | - |
| | s.u. | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 8.04 | | F | # | - | - |
| | s.u. | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 8.10 | | QF | # | - | - |
| | s.u. | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | 9.20 | | FQ | # | - | - |
| | s.u. | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | 9.40 | | QF | # | - | - |
| | s.u. | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | 9.52 | | QF | # | - | - |
| Phosphorus | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.0884 | | JQF | # | 0.0101 | - |
| Selenium | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.0066 | | FQ | # | 0.00057 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 0.0056 | | QF | # | 0.00057 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.0060 | | QF | # | 0.00057 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.0048 | B | FQ | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0691 | WL | 10/26/2005 | N001 | 4.90 - 4.90 | 20251 | | QF | # | - | - |
| | umhos/cm | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 19087 | | FQ | # | - | - |
| | umhos/cm | 0692 | WL | 10/26/2005 | N001 | 9.60 - 9.60 | 19647 | | QF | # | - | - |
| | umhos/cm | 0692 | WL | 12/13/2005 | N001 | 9.60 - 9.60 | 18220 | | FQ | # | - | - |
| | umhos/cm | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 6279 | | FQ | # | - | - |
| | umhos/cm | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 5180 | | QF | # | - | - |
| | umhos/cm | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 5932 | | QF | # | - | - |
| | umhos/cm | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | 18295 | | F | # | - | - |
| | umhos/cm | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 15218 | | FQ | # | - | - |
| | umhos/cm | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 19237 | | QF | # | - | - |
| | umhos/cm | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 18073 | | FQ | # | - | - |
| | umhos/cm | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | 1484 | | FQ | # | - | - |
| | umhos/cm | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 1262 | | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 1548 | | QF | # | - | - |
| | umhos/cm | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | 7587 | | F | # | - | - |
| | umhos/cm | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 7812 | | F | # | - | - |
| | umhos/cm | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 9472 | | QF | # | - | - |
| | umhos/cm | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | 15900 | | FQ | # | - | - |
| | umhos/cm | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | 16460 | | QF | # | - | - |
| | umhos/cm | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | 17200 | | QF | # | - | - |
| Sulfate | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 7920 | | QF | # | 61.2 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 7540 | | FQ | # | 122 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 7040 | | QF | # | 61.2 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 8750 | | FQ | # | 122 | - |
| | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 1800 | | FQ | # | 25 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 1900 | | QF | # | 25 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 3300 | | QF | # | 50 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0001 | 4.30 - 4.30 | 6240 | | F | # | 61.2 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 7690 | | QF | # | 61.2 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 8600 | | FQ | # | 61.2 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 330 | | FQ | # | 10 | - |
| | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 350 | | QF | # | 10 | - |
| | mg/L | 0696 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 670 | | QF | # | 25 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 2400 | | F | # | 50 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 3000 | | F | # | 50 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 - 4.80 | 3100 | | F | # | 50 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 3700 | | QF | # | 50 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 - 9.80 | 7900 | | FQ | # | 100 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 - 9.80 | 7300 | | QF | # | 100 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 - 9.80 | 8000 | | QF # | 100 | - |
| Sulfide | mg/L | 0691 | WL | 10/28/2005 | 0005 | 4.90 - 4.90 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0692 | WL | 10/28/2005 | 0005 | 9.60 - 9.60 | 0.02 | | QF # | 0.01 | - |
| | mg/L | 0692 | WL | 12/15/2005 | 0005 | 9.60 - 9.60 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0695 | WL | 10/28/2005 | 0005 | 9.80 - 9.80 | 0.01 | U | QF # | 0.01 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.01 | U | QF # | 0.01 | - |
| Temperature | C | 0691 | WL | 10/26/2005 | N001 | 4.90 - 4.90 | 18.58 | | QF # | - | - |
| | C | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 10.57 | | FQ # | - | - |
| | C | 0692 | WL | 10/26/2005 | N001 | 9.60 - 9.60 | 17.08 | | QF # | - | - |
| | C | 0692 | WL | 12/13/2005 | N001 | 9.60 - 9.60 | 11.51 | | FQ # | - | - |
| | C | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 15.76 | | FQ # | - | - |
| | C | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 14.3 | | QF # | - | - |
| | C | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 6.8 | | QF # | - | - |
| | C | 0694 | WL | 10/26/2005 | N001 | 4.30 - 4.30 | 17.65 | | F # | - | - |
| | C | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 6.36 | | FQ # | - | - |
| | C | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 16.30 | | QF # | - | - |
| | C | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 9.64 | | FQ # | - | - |
| | C | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | 15.10 | | FQ # | - | - |
| | C | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 13.4 | | QF # | - | - |
| | C | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 6.6 | | QF # | - | - |
| | C | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | 16.71 | | F # | - | - |
| | C | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 13.8 | | F # | - | - |
| | C | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 8.3 | | QF # | - | - |
| | C | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | 16.45 | | FQ # | - | - |
| | C | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | 13.6 | | QF # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | 8.3 | | QF | # | - | - |
| Total Dissolved Solids | mg/L | 0691 | WL | 10/26/2005 | 0001 | 4.90 - 4.90 | 67100 | | QF | # | 3.6 | - |
| | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 15700 | J | FQ | # | 3.6 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 14900 | | QF | # | 3.6 | - |
| | mg/L | 0692 | WL | 12/13/2005 | 0001 | 9.60 - 9.60 | 16700 | J | FQ | # | 3.6 | - |
| | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 3500 | | FQ | # | 200 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 3700 | | QF | # | 200 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 6200 | | QF | # | 200 | - |
| | mg/L | 0694 | WL | 10/26/2005 | 0001 | 4.30 - 4.30 | 12000 | | F | # | 3.6 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 14800 | | QF | # | 3.6 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 15400 | J | FQ | # | 3.6 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 720 | | FQ | # | 80 | - |
| | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 - 1.80 | 800 | | QF | # | 80 | - |
| | mg/L | 0696 | WL | 12/07/2005 | 0001 | 1.80 - 1.80 | 1300 | | QF | # | 100 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 - 4.80 | 4300 | | F | # | 200 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 5400 | | F | # | 200 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 - 4.80 | 5400 | | F | # | 200 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 6500 | | QF | # | 200 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 - 9.80 | 12000 | | FQ | # | 400 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 - 9.80 | 12000 | | QF | # | 400 | - |
| | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 - 9.80 | 13000 | | QF | # | 400 | - |
| Total Inorganic Carbon | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 220 | | FQ | # | 22.2 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 78.5 | | QF | # | 11.1 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 240 | | FQ | # | 22.2 | - |
| Total Kjeldahl Nitrogen | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 655 | | QF | # | 0.12 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Organic Carbon | mg/L | 0691 | WL | 12/13/2005 | N001 | 4.90 - 4.90 | 7.8 | | FQ | # | 0.47 | - |
| | mg/L | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 2780 | H | JQF | # | 43 | - |
| | mg/L | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 4.0 | | FQ | # | 0.47 | - |
| Turbidity | NTU | 0693 | WL | 10/19/2005 | N001 | 2.00 - 2.00 | 318 | | FQ | # | - | - |
| | NTU | 0693 | WL | 11/09/2005 | N001 | 2.00 - 2.00 | 94.3 | | QF | # | - | - |
| | NTU | 0693 | WL | 12/07/2005 | N001 | 2.00 - 2.00 | 148 | | QF | # | - | - |
| | NTU | 0694 | WL | 12/14/2005 | N001 | 4.30 - 4.30 | 414 | | FQ | # | - | - |
| | NTU | 0695 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 188 | | QF | # | - | - |
| | NTU | 0695 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 34.1 | | FQ | # | - | - |
| | NTU | 0696 | WL | 10/19/2005 | N001 | 1.80 - 1.80 | 455 | | FQ | # | - | - |
| | NTU | 0696 | WL | 11/09/2005 | N001 | 1.80 - 1.80 | 32.8 | | QF | # | - | - |
| | NTU | 0696 | WL | 12/07/2005 | N001 | 1.80 - 1.80 | 64.6 | | QF | # | - | - |
| | NTU | 0697 | WL | 10/18/2005 | N001 | 4.80 - 4.80 | 232 | | F | # | - | - |
| | NTU | 0697 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 85.0 | | F | # | - | - |
| | NTU | 0697 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 40.5 | | QF | # | - | - |
| | NTU | 0698 | WL | 10/19/2005 | N001 | 9.80 - 9.80 | 241 | | FQ | # | - | - |
| | NTU | 0698 | WL | 11/09/2005 | N001 | 9.80 - 9.80 | 167 | | QF | # | - | - |
| | NTU | 0698 | WL | 12/07/2005 | N001 | 9.80 - 9.80 | 149 | | QF | # | - | - |
| Uranium | mg/L | 0691 | WL | 12/13/2005 | 0001 | 4.90 - 4.90 | 2.360 | | FQ | # | 0.00014 | - |
| | mg/L | 0692 | WL | 10/26/2005 | 0001 | 9.60 - 9.60 | 0.353 | | QF | # | 0.00014 | - |
| | mg/L | 0693 | WL | 10/19/2005 | 0001 | 2.00 - 2.00 | 0.620 | | FQ | # | 9.5E-05 | - |
| | mg/L | 0693 | WL | 11/09/2005 | 0001 | 2.00 - 2.00 | 0.550 | | QF | # | 9.5E-05 | - |
| | mg/L | 0693 | WL | 12/07/2005 | 0001 | 2.00 - 2.00 | 0.860 | | QF | # | 0.00024 | - |
| | mg/L | 0695 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.783 | | QF | # | 0.00014 | - |
| | mg/L | 0695 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.976 | | FQ | # | 0.00014 | - |
| | mg/L | 0696 | WL | 10/19/2005 | 0001 | 1.80 - 1.80 | 0.0011 | | FQ | # | 4.8E-06 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0696 | WL | 11/09/2005 | 0001 | 1.80 -1.80 | 0.0016 | | QF | # | 4.8E-06 | - |
| | mg/L | 0697 | WL | 10/18/2005 | 0001 | 4.80 -4.80 | 0.690 | | F | # | 4.8E-05 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0001 | 4.80 -4.80 | 0.830 | | F | # | 0.00048 | - |
| | mg/L | 0697 | WL | 11/09/2005 | 0002 | 4.80 -4.80 | 0.830 | | F | # | 0.00048 | - |
| | mg/L | 0697 | WL | 12/07/2005 | 0001 | 4.80 -4.80 | 1.000 | | QF | # | 0.00024 | - |
| | mg/L | 0698 | WL | 10/19/2005 | 0001 | 9.80 -9.80 | 0.00068 | | FQ | # | 4.8E-06 | - |
| | mg/L | 0698 | WL | 11/09/2005 | 0001 | 9.80 -9.80 | 0.0016 | | QF | # | 4.8E-06 | - |
| | mg/L | 0698 | WL | 12/07/2005 | 0001 | 9.80 -9.80 | 0.0013 | | QF | # | 4.8E-06 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 3:57 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0690','0691','0692','0693','0694','0695','0696','0697','0698') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:30 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | SAMPLE: ID | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA | QUALIFIERS: QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0259 | 10/18/2005 | 0001 | 164 | | | # | - | - |
| Ammonia Total as N | mg/L | 0259 | 10/18/2005 | 0001 | 0.1 | U | | # | 0.1 | - |
| Bromide | mg/L | 0259 | 10/18/2005 | 0001 | 0.2 | U | | # | 0.2 | - |
| Chloride | mg/L | 0259 | 10/18/2005 | 0001 | 90 | | | # | 2 | - |
| Dissolved Oxygen | mg/L | 0259 | 10/18/2005 | N001 | 7.60 | | | # | - | - |
| Oxidation Reduction Potent | mV | 0259 | 10/18/2005 | N001 | 255 | | | # | - | - |
| pH | s.u. | 0259 | 10/18/2005 | N001 | 8.44 | | | # | - | - |
| Specific Conductance | umhos/cm | 0259 | 10/18/2005 | N001 | 1288 | | | # | - | - |
| Sulfate | mg/L | 0259 | 10/18/2005 | 0001 | 320 | | | # | 5 | - |
| Temperature | C | 0259 | 10/18/2005 | N001 | 15.10 | | | # | - | - |
| Total Dissolved Solids | mg/L | 0259 | 10/18/2005 | 0001 | 770 | | | # | 20 | - |
| Turbidity | NTU | 0259 | 10/18/2005 | N001 | 227 | | | # | - | - |
| Uranium | mg/L | 0259 | 10/18/2005 | 0001 | 0.0088 | | | # | 4.8E-06 | - |

RECORDS: SELECTED FROM USEE800 WHERE site_code='MOA01' AND location_code in ('0259') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | |
|---|---|
| F | Low flow sampling method used. |
| J | Estimated value. |
| Q | Qualitative result due to sampling technique |
| U | Parameter analyzed for but was not detected. |
| G | Possible grout contamination, pH > 9. |
| L | Less than 3 bore volumes purged prior to sampling. |
| R | Unusable result. |
| X | Location is undefined. |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 673 | | F | # | - | - |
| | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 725 | | F | # | - | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 700 | | F | # | - | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 742 | | F | # | - | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 984 | | F | # | - | - |
| | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 684 | | F | # | - | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 760 | | F | # | - | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 756 | | F | # | - | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 756 | | F | # | - | - |
| | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 583 | | F | # | - | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 614 | | F | # | - | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 614 | | F | # | - | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 760 | | F | # | - | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 507 | | F | # | - | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 710 | | F | # | - | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 937 | | F | # | - | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 946 | | F | # | - | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 994 | | F | # | - | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 874 | | F | # | - | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 844 | | F | # | - | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 1016 | | F | # | - | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 904 | | F | # | - | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 728 | | F | # | - | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 986 | | F | # | - | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 860 | | F | # | - | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 1153 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 1068 | | F # | - | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 1200 | | F # | - | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 1156 | | F # | - | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 1180 | | F # | - | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 1006 | | F # | - | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 1232 | | F # | - | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 1090 | | F # | - | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 1184 | | F # | - | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 1180 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 862 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 816 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 812 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 452 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 440 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 404 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 1196 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 1222 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 1180 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 712 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 720 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 760 | | F # | - | - |
| Ammonia Total as N | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 390 | | F # | 10 | - |
| | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 470 | | F # | 50 | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 400 | | F # | 50 | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 400 | | F # | 50 | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 430 | | F # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 420 | | F | # | 50 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 490.000 | | F | # | 5.49 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 450 | | F | # | 20 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 460 | | F | # | 20 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 459.000 | | F | # | 5.49 | - |
| | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 400 | | F | # | 10 | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 420 | | F | # | 50 | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 400 | | F | # | 50 | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 410 | | F | # | 50 | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 320 | | F | # | 50 | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 420 | | F | # | 20 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 880 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 780 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 830 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 800 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 740 | | F | # | 20 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 760 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 - 39.00 | 780 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 722.000 | | F | # | 5.49 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 - 26.00 | 700 | | F | # | 20 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 780 | | F | # | 20 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 750 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 - 39.00 | 790 | | F | # | 50 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 764.000 | | F | # | 5.49 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 740.000 | | F | # | 8.78 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 1300 | | F | # | 50 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 1200 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 960 | | F | # | 20 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 1000 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 800 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 1100 | | F | # | 50 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 1100 | | F | # | 50 | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 560 | | F | # | 50 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 460 | | F | # | 20 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 - 60.09 | 440 | | F | # | 20 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 560 | | F | # | 50 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 1800 | | F | # | 50 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 1800 | | F | # | 50 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 1500 | | F | # | 50 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 990 | | F | # | 50 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 980 | | F | # | 20 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 980 | | F | # | 50 | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 460 | | F | # | 50 | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 430 | | F | # | 20 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 430 | | F | # | 50 | - |
| Biochemical Oxygen Dema | mg/L | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 1.68 | | F | # | 0.1 | - |
| Bromide | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 4 | U | F | # | 4 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 4 | U | F | # | 4 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 25.7 | U | F | # | 25.7 | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 -17.30 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 -39.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 -39.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 -26.00 | 5.1 | U | F | # | 5.1 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 -39.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 -26.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 -39.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 -39.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 -26.00 | 25.7 | U | F | # | 25.7 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 -26.00 | 25.7 | U | F | # | 25.7 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 -54.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 -46.00 | 4 | U | F | # | 4 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 -54.00 | 10 | U | F | # | 10 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 -54.00 | 10 | U | F | # | 10 | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 -40.00 | 4 | U | F | # | 4 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 -40.00 | 4 | U | F | # | 4 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 -60.09 | 4 | U | F | # | 4 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 -40.00 | 4 | U | F | # | 4 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 -73.00 | 20 | U | F | # | 20 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 -73.00 | 20 | U | F | # | 20 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 -73.00 | 20 | U | F | # | 20 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 -57.00 | 10 | U | F | # | 10 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 -57.00 | 10 | U | F | # | 10 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 -57.00 | 10 | U | F | # | 10 | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 -18.00 | 4 | U | F | # | 4 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 4 | U | F # | 4 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 4 | U | F # | 4 | - |
| Carbon Dioxide | mg/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 170 | | F # | 0.53 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 130 | | F # | 0.53 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 - 26.00 | 130 | | F # | 0.53 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 - 26.00 | 130 | | F # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 1500 | | F # | 9.2 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 166 | | JF # | 9.2 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 509 | | F # | 9.2 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 157 | | JF # | 9.2 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 50.0 | | JF # | 9.2 | - |
| Chloride | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 1300 | | F # | 100 | - |
| | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 1300 | | F # | 40 | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 1300 | | F # | 40 | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 1300 | | F # | 40 | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 1500 | | F # | 40 | - |
| | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 1700 | | F # | 40 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 2740 | | F # | 25 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 3000 | | F # | 40 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 3000 | | F # | 40 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 2180 | J | F # | 25 | - |
| | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 810 | | F # | 100 | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 790 | | F # | 40 | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 820 | | F # | 40 | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 980 | | F # | 40 | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 840 | | F # | 20 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 1100 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 2100 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 1700 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 1600 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 1500 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 - 39.00 | 1900 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 1190 | | F | # | 25 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 1800 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 - 26.00 | 1500 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 2000 | | F | # | 40 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 - 39.00 | 1800 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 1460 | J | F | # | 25 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 1500 | J | F | # | 25 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 5500 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 11000 | | F | # | 200 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 8500 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 8800 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 4900 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 2700 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 2700 | | F | # | 40 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 7800 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 7500 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 8000 | | F | # | 100 | - |
| | mg/L | SMI-PW 01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 1800 | | F | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 1600 | | F | # | 40 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 - 60.09 | 1600 | | F | # | 40 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 1900 | | F | # | 40 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 53000 | | F | # | 1000 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 19000 | | F | # | 400 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 50000 | | F | # | 1000 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 6600 | | F | # | 100 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 6700 | | F | # | 100 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 6900 | | F | # | 100 | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 1700 | | F | # | 40 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 1800 | | F | # | 40 | - |
| Dissolved Organic Carbon | mg/L | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 2200 | H | JF | # | 43 | - |
| | mg/L | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 0.86 | B | F | # | 0.47 | - |
| | mg/L | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 1060 | H | JF | # | 43 | - |
| | mg/L | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 0.82 | B | F | # | 0.47 | - |
| | mg/L | 0488 | WL | 12/14/2005 | N003 | 26.00 - 26.00 | 0.93 | B | F | # | 0.47 | - |
| Dissolved Oxygen | mg/L | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 1.00 | | F | # | - | - |
| | mg/L | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 3.64 | | F | # | - | - |
| | mg/L | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 1.82 | | F | # | - | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 3.3 | | F | # | 0.07 | - |
| | mg/L | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 0.97 | | F | # | - | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 3.8 | | F | # | 0.07 | - |
| | mg/L | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 2.93 | | F | # | - | - |
| | mg/L | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 1.41 | | F | # | - | - |
| | mg/L | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 2.16 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0406 | WL | 04/19/2005 | N001 | 16.00 - 16.00 | 1.83 | | F # | - | - |
| | mg/L | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 0.26 | | F # | - | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 - 26.00 | 3.4 | | F # | 0.07 | - |
| | mg/L | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 0.59 | | F # | - | - |
| | mg/L | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 0.58 | | F # | - | - |
| | mg/L | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 0.76 | | F # | - | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 - 26.00 | 4.1 | | F # | 0.07 | - |
| | mg/L | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 2.68 | | F # | - | - |
| | mg/L | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 0.67 | | F # | - | - |
| | mg/L | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 0.76 | | F # | - | - |
| | mg/L | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 0.51 | | F # | - | - |
| | mg/L | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 0.84 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 0.89 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 0.46 | | F # | - | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 2.05 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 0.51 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 0.37 | | F # | - | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 0.83 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 1.07 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 0.47 | | F # | - | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 0.92 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 1.67 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 0.98 | | F # | - | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 1.52 | | F # | - | - |
| Iron | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.0074 | U | F # | 0.0074 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.03 | U | F # | 0.03 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Iron | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 0.07 | | F | # | 0.03 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 -26.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 -26.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 -26.00 | 0.0074 | U | F | # | 0.0074 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 -26.00 | 0.03 | U | F | # | 0.03 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 -26.00 | 0.0074 | U | F | # | 0.0074 | - |
| Iron (II) | mg/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 -18.00 | 0.9 | J | F | # | 0.1 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 1 | | F | # | 0.1 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 -26.00 | 0.3 | J | F | # | 0.1 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 -26.00 | 1 | | F | # | 0.1 | - |
| Manganese | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 -18.00 | 7.350 | | F | # | 0.001 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 -18.00 | 6.470 | | F | # | 0.001 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 -26.00 | 5.220 | | F | # | 0.001 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 -26.00 | 5.840 | | F | # | 0.001 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 -26.00 | 6.030 | | F | # | 0.001 | - |
| Manganese (II) | mg/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 -18.00 | 7.7 | | F | # | - | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 9.6 | | F | # | - | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 -26.00 | 8.4 | | F | # | - | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 -26.00 | 8.2 | | F | # | - | - |
| Methane | ug/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 -18.00 | 1.3 | | F | # | 0.011 | - |
| | ug/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 -18.00 | 0.7 | U | F | # | 0.011 | - |
| | ug/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 -26.00 | 1.4 | | F | # | 0.011 | - |
| | ug/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 -26.00 | 1.5 | UM | F | # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 -18.00 | 167.000 | | F | # | 1.35 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate + Nitrite as Nitrogen | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 138.000 | | JF | # | 0.538 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 39.500 | | F | # | 0.108 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 25.500 | | JF | # | 0.108 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 30.700 | | F | # | 0.108 | - |
| Nitrifying Bacteria | cfu/mL | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 1000 | | F | # | 1000 | - |
| | cfu/mL | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 1000 | U | F | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.013 | | F | # | 0.005 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.005 | U | F | # | 0.005 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 0.016 | | F | # | 0.005 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 0.005 | U | F | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0405 | WL | 10/26/2005 | 0002 | 18.00 - 18.00 | 18 | | F | # | 0.06 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0002 | 18.00 - 18.00 | 17 | | F | # | 0.06 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0002 | 26.00 - 26.00 | 15 | | F | # | 0.06 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0004 | 26.00 - 26.00 | 19 | | F | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 1.1 | | F | # | 0.3 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.3 | U | F | # | 0.3 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 0.8 | | F | # | 0.3 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 0.3 | U | F | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0405 | WL | 05/06/2004 | N001 | 18.29 - 18.29 | 236 | | F | # | - | - |
| | mV | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 119.4 | | F | # | - | - |
| | mV | 0405 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 180 | | F | # | - | - |
| | mV | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 162 | | F | # | - | - |
| | mV | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 194.5 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0405 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 195 | | F # | - | - |
| | mV | 0405 | WL | 07/14/2005 | N001 | 18.00 - 18.00 | 74.3 | | F # | - | - |
| | mV | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 177.1 | | F # | - | - |
| | mV | 0405 | WL | 11/03/2005 | N001 | 17.60 - 17.60 | 176.1 | | F # | - | - |
| | mV | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 151.6 | | F # | - | - |
| | mV | 0406 | WL | 05/06/2004 | N001 | 16.29 - 16.29 | 229 | | F # | - | - |
| | mV | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 195 | | F # | - | - |
| | mV | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 235 | | F # | - | - |
| | mV | 0406 | WL | 04/19/2005 | N001 | 16.00 - 16.00 | 193 | | F # | - | - |
| | mV | 0406 | WL | 07/14/2005 | N001 | 16.00 - 16.00 | 68.8 | | F # | - | - |
| | mV | 0406 | WL | 11/03/2005 | N001 | 17.30 - 17.30 | 221.3 | | F # | - | - |
| | mV | 0488 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 154.1 | | F # | - | - |
| | mV | 0488 | WL | 08/19/2004 | N001 | 33.00 - 33.00 | 150.9 | | F # | - | - |
| | mV | 0488 | WL | 08/19/2004 | N001 | 26.00 - 26.00 | 139.7 | | F # | - | - |
| | mV | 0488 | WL | 10/15/2004 | N001 | 33.00 - 33.00 | 190 | | F # | - | - |
| | mV | 0488 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 181 | | F # | - | - |
| | mV | 0488 | WL | 05/26/2005 | N001 | 33.00 - 33.00 | 181 | | F # | - | - |
| | mV | 0488 | WL | 05/26/2005 | N001 | 39.00 - 39.00 | 180 | | F # | - | - |
| | mV | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 83 | | F # | - | - |
| | mV | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 210.5 | | F # | - | - |
| | mV | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 176 | | F # | - | - |
| | mV | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 173.3 | | F # | - | - |
| | mV | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 88.5 | | F # | - | - |
| | mV | 0493 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 125.3 | | F # | - | - |
| | mV | 0493 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 116.9 | | F # | - | - |
| | mV | 0493 | WL | 10/15/2004 | N001 | 54.00 - 54.00 | 180 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0493 | WL | 10/15/2004 | N001 | 46.00 - 46.00 | 178 | | F | # | - | - |
| | mV | 0493 | WL | 05/26/2005 | N001 | 54.00 - 54.00 | 192 | | F | # | - | - |
| | mV | 0493 | WL | 05/26/2005 | N001 | 46.00 - 46.00 | 196 | | F | # | - | - |
| | mV | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 58 | | F | # | - | - |
| | mV | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 74 | | F | # | - | - |
| | mV | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 185 | | F | # | - | - |
| | mV | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 185.8 | | F | # | - | - |
| | mV | SMI-PW01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 185 | | F | # | - | - |
| | mV | SMI-PW01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 174 | | F | # | - | - |
| | mV | SMI-PW01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 166.7 | | F | # | - | - |
| | mV | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 219 | | F | # | - | - |
| | mV | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 200 | | F | # | - | - |
| | mV | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 247.0 | | F | # | - | - |
| | mV | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 194 | | F | # | - | - |
| | mV | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 226 | | F | # | - | - |
| | mV | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 239.2 | | F | # | - | - |
| | mV | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 215 | | F | # | - | - |
| | mV | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 228 | | F | # | - | - |
| | mV | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 226.5 | | F | # | - | - |
| pH | s.u. | 0405 | WL | 05/06/2004 | N001 | 18.29 - 18.29 | 6.64 | | F | # | - | - |
| | s.u. | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 6.78 | | F | # | - | - |
| | s.u. | 0405 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 6.74 | | F | # | - | - |
| | s.u. | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 6.80 | | F | # | - | - |
| | s.u. | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 6.74 | | F | # | - | - |
| | s.u. | 0405 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 6.72 | | F | # | - | - |
| | s.u. | 0405 | WL | 07/14/2005 | N001 | 18.00 - 18.00 | 6.74 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 6.73 | | F | # | - | - |
| | s.u. | 0405 | WL | 11/03/2005 | N001 | 17.60 - 17.60 | 6.80 | | F | # | - | - |
| | s.u. | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 6.75 | | F | # | - | - |
| | s.u. | 0406 | WL | 05/06/2004 | N001 | 16.29 - 16.29 | 6.79 | | F | # | - | - |
| | s.u. | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 6.88 | | F | # | - | - |
| | s.u. | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 6.97 | | F | # | - | - |
| | s.u. | 0406 | WL | 04/19/2005 | N001 | 16.00 - 16.00 | 6.88 | | F | # | - | - |
| | s.u. | 0406 | WL | 07/14/2005 | N001 | 16.00 - 16.00 | 6.95 | | F | # | - | - |
| | s.u. | 0406 | WL | 11/03/2005 | N001 | 17.30 - 17.30 | 7.02 | | F | # | - | - |
| | s.u. | 0488 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 6.88 | | F | # | - | - |
| | s.u. | 0488 | WL | 08/19/2004 | N001 | 33.00 - 33.00 | 6.85 | | F | # | - | - |
| | s.u. | 0488 | WL | 08/19/2004 | N001 | 26.00 - 26.00 | 6.84 | | F | # | - | - |
| | s.u. | 0488 | WL | 10/15/2004 | N001 | 33.00 - 33.00 | 6.90 | | F | # | - | - |
| | s.u. | 0488 | WL | 05/26/2005 | N001 | 33.00 - 33.00 | 6.87 | | F | # | - | - |
| | s.u. | 0488 | WL | 05/26/2005 | N001 | 39.00 - 39.00 | 6.87 | | F | # | - | - |
| | s.u. | 0488 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 6.88 | | F | # | - | - |
| | s.u. | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 6.95 | | F | # | - | - |
| | s.u. | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 6.89 | | F | # | - | - |
| | s.u. | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 6.87 | | F | # | - | - |
| | s.u. | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 6.95 | | F | # | - | - |
| | s.u. | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 6.86 | | F | # | - | - |
| | s.u. | 0493 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 6.74 | | F | # | - | - |
| | s.u. | 0493 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 6.82 | | F | # | - | - |
| | s.u. | 0493 | WL | 10/15/2004 | N001 | 46.00 - 46.00 | 6.86 | | F | # | - | - |
| | s.u. | 0493 | WL | 10/15/2004 | N001 | 54.00 - 54.00 | 6.82 | | F | # | - | - |
| | s.u. | 0493 | WL | 05/26/2005 | N001 | 54.00 - 54.00 | 6.88 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0493 | WL | 05/26/2005 | N001 | 46.00 - 46.00 | 6.94 | | F | # | - | - |
| | s.u. | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 6.97 | | F | # | - | - |
| | s.u. | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 6.89 | | F | # | - | - |
| | s.u. | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 6.80 | | F | # | - | - |
| | s.u. | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 6.87 | | F | # | - | - |
| | s.u. | SMI-PW01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 6.77 | | F | # | - | - |
| | s.u. | SMI-PW01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 6.75 | | F | # | - | - |
| | s.u. | SMI-PW01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 6.81 | | F | # | - | - |
| | s.u. | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 6.64 | | F | # | - | - |
| | s.u. | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 6.63 | | F | # | - | - |
| | s.u. | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 6.69 | | F | # | - | - |
| | s.u. | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 6.83 | | F | # | - | - |
| | s.u. | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 6.81 | | F | # | - | - |
| | s.u. | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 6.87 | | F | # | - | - |
| | s.u. | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 6.71 | | F | # | - | - |
| | s.u. | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 6.68 | | F | # | - | - |
| | s.u. | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 6.75 | | F | # | - | - |
| Phosphorus | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.337 | | JF | # | 0.0101 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.433 | | F | # | 0.0101 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 0.0962 | | JF | # | 0.0101 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 0.407 | | F | # | 0.0101 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 3.120 | | F | # | 0.0101 | - |
| Selenium | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.0442 | | F | # | 0.00057 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.0270 | | F | # | 0.00057 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 0.0202 | | UF | # | 0.00057 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 0.0142 | | F | # | 0.00057 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Selenium | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 0.0162 | | F | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0405 | WL | 05/06/2004 | N001 | 18.29 - 18.29 | 15220 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 16083 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 15730 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 15879 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 15490 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 20210 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 07/14/2005 | N001 | 18.00 - 18.00 | 16289 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 24453 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 11/03/2005 | N001 | 17.60 - 17.60 | 22099 | | F | # | - | - |
| | umhos/cm | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 19878 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 05/06/2004 | N001 | 16.29 - 16.29 | 14210 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 14517 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 13792 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 04/19/2005 | N001 | 16.00 - 16.00 | 14007 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 07/14/2005 | N001 | 16.00 - 16.00 | 12190 | | F | # | - | - |
| | umhos/cm | 0406 | WL | 11/03/2005 | N001 | 17.30 - 17.30 | 14226 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 08/19/2004 | N001 | 26.00 - 26.00 | 22386 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 08/19/2004 | N001 | 33.00 - 33.00 | 22402 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 24378 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 10/15/2004 | N001 | 33.00 - 33.00 | 21710 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 05/26/2005 | N001 | 39.00 - 39.00 | 21200 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 05/26/2005 | N001 | 33.00 - 33.00 | 21010 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 20260 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 22030 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 18587 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 21990 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 21710 | | F | # | - | - |
| | umhos/cm | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 18526 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 35022 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 45859 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 10/15/2004 | N001 | 54.00 - 54.00 | 42249 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 10/15/2004 | N001 | 46.00 - 46.00 | 36841 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 05/26/2005 | N001 | 46.00 - 46.00 | 27520 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 05/26/2005 | N001 | 54.00 - 54.00 | 33600 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 24810 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 38580 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 39240 | | F | # | - | - |
| | umhos/cm | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 39720 | | F | # | - | - |
| | umhos/cm | SMI-PW 01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 19070 | | F | # | - | - |
| | umhos/cm | SMI-PW 01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 17410 | | F | # | - | - |
| | umhos/cm | SMI-PW 01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 18530 | | F | # | - | - |
| | umhos/cm | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 110300 | | F | # | - | - |
| | umhos/cm | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 108900 | | F | # | - | - |
| | umhos/cm | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 108900 | | F | # | - | - |
| | umhos/cm | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 36610 | | F | # | - | - |
| | umhos/cm | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 37330 | | F | # | - | - |
| | umhos/cm | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 37020 | | F | # | - | - |
| | umhos/cm | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 16940 | | F | # | - | - |
| | umhos/cm | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 17300 | | F | # | - | - |
| | umhos/cm | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 17170 | | F | # | - | - |
| Sulfate | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 7000 | | F | # | 250 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 7100 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 7300 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 7100 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 7200 | N | JF | # | 100 | - |
| | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 7000 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 9730 | | F | # | 61.2 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 11000 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 11000 | | F | # | 100 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 9360 | | F | # | 61.2 | - |
| | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 6400 | | F | # | 250 | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 6300 | | F | # | 100 | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 6300 | | F | # | 100 | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 6700 | N | JF | # | 100 | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 5400 | | F | # | 50 | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 7500 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 11000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 11000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 12000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 11000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 9600 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 12000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 - 39.00 | 12000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 7580 | | F | # | 61.2 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 - 26.00 | 10000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 12000 | | F | # | 100 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 12000 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 - 39.00 | 12000 | | F | # | 250 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 9820 | | F | # | 61.2 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 9990 | | F | # | 61.2 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 14000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 15000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 16000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 18000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 12000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 14000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 14000 | | F | # | 100 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 18000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 16000 | | F | # | 250 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 16000 | | F | # | 250 | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 10000 | | F | # | 100 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 8500 | | F | # | 100 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 - 60.09 | 8500 | | F | # | 100 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 9600 | | F | # | 100 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 8600 | | F | # | 50 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 8400 | | F | # | 500 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 7900 | | F | # | 50 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 17000 | | F | # | 250 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 17000 | | F | # | 250 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 17000 | | F | # | 250 | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 8200 | | F | # | 100 | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 8100 | | F | # | 100 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 8200 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfide | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 0.02 | | F | # | 0.01 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 0.02 | | F | # | 0.01 | - |
| Temperature | C | 0405 | WL | 05/06/2004 | N001 | 18.29 - 18.29 | 17.32 | | F | # | - | - |
| | C | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 18.36 | | F | # | - | - |
| | C | 0405 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 18.23 | | F | # | - | - |
| | C | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 15.27 | | F | # | - | - |
| | C | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 16.94 | | F | # | - | - |
| | C | 0405 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 16.16 | | F | # | - | - |
| | C | 0405 | WL | 07/14/2005 | N001 | 18.00 - 18.00 | 20.04 | | F | # | - | - |
| | C | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 18.80 | | F | # | - | - |
| | C | 0405 | WL | 11/03/2005 | N001 | 17.60 - 17.60 | 18.48 | | F | # | - | - |
| | C | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 16.30 | | F | # | - | - |
| | C | 0406 | WL | 05/06/2004 | N001 | 16.29 - 16.29 | 18.72 | | F | # | - | - |
| | C | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 17.98 | | F | # | - | - |
| | C | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 14.63 | | F | # | - | - |
| | C | 0406 | WL | 04/19/2005 | N001 | 16.00 - 16.00 | 17.50 | | F | # | - | - |
| | C | 0406 | WL | 07/14/2005 | N001 | 16.00 - 16.00 | 20.54 | | F | # | - | - |
| | C | 0406 | WL | 11/03/2005 | N001 | 17.30 - 17.30 | 18.74 | | F | # | - | - |
| | C | 0488 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 21.67 | | F | # | - | - |
| | C | 0488 | WL | 08/19/2004 | N001 | 26.00 - 26.00 | 22.43 | | F | # | - | - |
| | C | 0488 | WL | 08/19/2004 | N001 | 33.00 - 33.00 | 23.01 | | F | # | - | - |
| | C | 0488 | WL | 10/15/2004 | N001 | 33.00 - 33.00 | 19.74 | | F | # | - | - |
| | C | 0488 | WL | 05/26/2005 | N001 | 39.00 - 39.00 | 17.06 | | F | # | - | - |
| | C | 0488 | WL | 05/26/2005 | N001 | 33.00 - 33.00 | 17.43 | | F | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0488 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 17.94 | | F # | - | - |
| | C | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 17.6 | | F # | - | - |
| | C | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 17.38 | | F # | - | - |
| | C | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 16.4 | | F # | - | - |
| | C | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 14.64 | | F # | - | - |
| | C | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 13.38 | | F # | - | - |
| | C | 0493 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 19.64 | | F # | - | - |
| | C | 0493 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 21.82 | | F # | - | - |
| | C | 0493 | WL | 10/15/2004 | N001 | 46.00 - 46.00 | 16.98 | | F # | - | - |
| | C | 0493 | WL | 10/15/2004 | N001 | 54.00 - 54.00 | 17.27 | | F # | - | - |
| | C | 0493 | WL | 05/26/2005 | N001 | 54.00 - 54.00 | 17.61 | | F # | - | - |
| | C | 0493 | WL | 05/26/2005 | N001 | 46.00 - 46.00 | 18.12 | | F # | - | - |
| | C | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 17.6 | | F # | - | - |
| | C | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 17.7 | | F # | - | - |
| | C | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 16.1 | | F # | - | - |
| | C | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 13.99 | | F # | - | - |
| | C | SMI-PW01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 18.6 | | F # | - | - |
| | C | SMI-PW01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 16.3 | | F # | - | - |
| | C | SMI-PW01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 11.81 | | F # | - | - |
| | C | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 18.2 | | F # | - | - |
| | C | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 16.2 | | F # | - | - |
| | C | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 15.10 | | F # | - | - |
| | C | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 18.9 | | F # | - | - |
| | C | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 16.4 | | F # | - | - |
| | C | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 15.13 | | F # | - | - |
| | C | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 18.2 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 17.3 | | F | # | - | - |
| | C | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 16.24 | | F | # | - | - |
| Total Dissolved Solids | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 12000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 13000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 13000 | | F | # | 200 | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 12000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 19400 | | F | # | 3.6 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 21000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 20000 | | F | # | 400 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 15800 | | F | # | 3.6 | - |
| | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 11000 | | F | # | 400 | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 10000 | | F | # | 200 | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 11000 | | F | # | 400 | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 10000 | | F | # | 200 | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 12000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 18000 | | F | # | 200 | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 - 39.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 13500 | | F | # | 3.6 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 - 26.00 | 15000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 - 39.00 | 18000 | | F | # | 400 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 14700 | | F | # | 3.6 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 14700 | | F | # | 3.6 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 28000 | | F | # | 1000 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 38000 | | F | # | 1000 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 35000 | | F | # | 400 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 36000 | | F | # | 400 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 20000 | | F | # | 400 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 26000 | | F | # | 400 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 21000 | | F | # | 400 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 33000 | | F | # | 1000 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 32000 | | F | # | 1000 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 33000 | | F | # | 1000 | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 16000 | | JF | # | 400 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 14000 | | F | # | 400 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 - 60.09 | 14000 | | F | # | 400 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 15000 | | F | # | 400 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 16000 | | F | # | 2000 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 74000 | | F | # | 8000 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 84000 | | F | # | 2000 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 31000 | | F | # | 1000 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 33000 | | F | # | 1000 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 32000 | | F | # | 1000 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 14000 | | F | # | 400 | - |
| Total Inorganic Carbon | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 159 | B | F | # | 44.4 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 139 | | F | # | 22.2 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 207 | | F | # | 44.4 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 222 | | F | # | 22.2 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 231 | | F | # | 22.2 | - |
| Total Kjeldahl Nitrogen | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 693 | | F | # | 0.12 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 464 | | F | # | 0.12 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 1080 | | F | # | 0.12 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 818 | | F | # | 0.12 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 890 | | F | # | 0.12 | - |
| Total Organic Carbon | mg/L | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 1630 | H | JF | # | 43 | - |
| | mg/L | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 7.6 | | F | # | 0.47 | - |
| | mg/L | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 1810 | H | JF | # | 43 | - |
| | mg/L | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 2.8 | | F | # | 0.47 | - |
| | mg/L | 0488 | WL | 12/14/2005 | N003 | 26.00 - 26.00 | 3.2 | | F | # | 0.47 | - |
| Turbidity | NTU | 0405 | WL | 05/06/2004 | N001 | 18.29 - 18.29 | 7.65 | | F | # | - | - |
| | NTU | 0405 | WL | 08/11/2004 | N001 | 19.00 - 19.00 | 4.54 | | F | # | - | - |
| | NTU | 0405 | WL | 10/15/2004 | N001 | 18.00 - 18.00 | 6.71 | | F | # | - | - |
| | NTU | 0405 | WL | 11/01/2004 | N001 | 18.00 - 18.00 | 2.56 | | F | # | - | - |
| | NTU | 0405 | WL | 04/19/2005 | N001 | 18.00 - 18.00 | 83.7 | | F | # | - | - |
| | NTU | 0405 | WL | 05/26/2005 | N001 | 18.00 - 18.00 | 33.3 | | F | # | - | - |
| | NTU | 0405 | WL | 07/14/2005 | N001 | 18.00 - 18.00 | 4.43 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0405 | WL | 10/26/2005 | N001 | 18.00 - 18.00 | 2.10 | | F # | - | - |
| | NTU | 0405 | WL | 11/03/2005 | N001 | 17.60 - 17.60 | 2.10 | | F # | - | - |
| | NTU | 0405 | WL | 12/13/2005 | N001 | 18.00 - 18.00 | 1.30 | | F # | - | - |
| | NTU | 0406 | WL | 05/06/2004 | N001 | 16.29 - 16.29 | 8.84 | | F # | - | - |
| | NTU | 0406 | WL | 08/11/2004 | N001 | 17.00 - 17.00 | 4.89 | | F # | - | - |
| | NTU | 0406 | WL | 11/02/2004 | N001 | 16.00 - 16.00 | 4.20 | | F # | - | - |
| | NTU | 0406 | WL | 07/14/2005 | N001 | 16.00 - 16.00 | 4.38 | | F # | - | - |
| | NTU | 0406 | WL | 11/03/2005 | N001 | 17.30 - 17.30 | 3.20 | | F # | - | - |
| | NTU | 0488 | WL | 08/19/2004 | N001 | 39.00 - 39.00 | 14.8 | | F # | - | - |
| | NTU | 0488 | WL | 08/19/2004 | N001 | 26.00 - 26.00 | 13.2 | | F # | - | - |
| | NTU | 0488 | WL | 08/19/2004 | N001 | 33.00 - 33.00 | 14.1 | | F # | - | - |
| | NTU | 0488 | WL | 10/15/2004 | N001 | 33.00 - 33.00 | 2.30 | | F # | - | - |
| | NTU | 0488 | WL | 05/26/2005 | N001 | 33.00 - 33.00 | 5.26 | | F # | - | - |
| | NTU | 0488 | WL | 05/26/2005 | N001 | 39.00 - 39.00 | 9.84 | | F # | - | - |
| | NTU | 0488 | WL | 05/26/2005 | N001 | 26.00 - 26.00 | 2.22 | | F # | - | - |
| | NTU | 0488 | WL | 10/11/2005 | N001 | 39.00 - 39.00 | 2.24 | | F # | - | - |
| | NTU | 0488 | WL | 10/26/2005 | N001 | 26.00 - 26.00 | 2.71 | | F # | - | - |
| | NTU | 0488 | WL | 11/09/2005 | N001 | 39.00 - 39.00 | 6.19 | | F # | - | - |
| | NTU | 0488 | WL | 12/08/2005 | N001 | 39.00 - 39.00 | 6.53 | | F # | - | - |
| | NTU | 0488 | WL | 12/14/2005 | N001 | 26.00 - 26.00 | 1.27 | | F # | - | - |
| | NTU | 0493 | WL | 08/19/2004 | N001 | 46.00 - 46.00 | 28.5 | | F # | - | - |
| | NTU | 0493 | WL | 08/19/2004 | N001 | 54.00 - 54.00 | 11.2 | | F # | - | - |
| | NTU | 0493 | WL | 10/15/2004 | N001 | 46.00 - 46.00 | 2.18 | | F # | - | - |
| | NTU | 0493 | WL | 10/15/2004 | N001 | 54.00 - 54.00 | 2.95 | | F # | - | - |
| | NTU | 0493 | WL | 05/26/2005 | N001 | 54.00 - 54.00 | 1.08 | | F # | - | - |
| | NTU | 0493 | WL | 05/26/2005 | N001 | 46.00 - 46.00 | 2.10 | | F # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0493 | WL | 10/11/2005 | N001 | 46.00 - 46.00 | 3.23 | | F | # | - | - |
| | NTU | 0493 | WL | 10/11/2005 | N001 | 54.00 - 54.00 | 4.08 | | F | # | - | - |
| | NTU | 0493 | WL | 11/09/2005 | N001 | 54.00 - 54.00 | 5.81 | | F | # | - | - |
| | NTU | 0493 | WL | 12/08/2005 | N001 | 54.00 - 54.00 | 7.27 | | F | # | - | - |
| | NTU | SMI-PW01 | WL | 10/13/2005 | N001 | 40.00 - 40.00 | 1.71 | | F | # | - | - |
| | NTU | SMI-PW01 | WL | 11/09/2005 | N001 | 40.00 - 40.00 | 2.59 | | F | # | - | - |
| | NTU | SMI-PW01 | WL | 12/08/2005 | N001 | 40.00 - 40.00 | 35.2 | | F | # | - | - |
| | NTU | SMI-PZ1D2 | WL | 10/13/2005 | N001 | 73.00 - 73.00 | 5.65 | | F | # | - | - |
| | NTU | SMI-PZ1D2 | WL | 11/09/2005 | N001 | 73.00 - 73.00 | 9.36 | | F | # | - | - |
| | NTU | SMI-PZ1D2 | WL | 12/08/2005 | N001 | 73.00 - 73.00 | 6.29 | | F | # | - | - |
| | NTU | SMI-PZ1M | WL | 10/13/2005 | N001 | 57.00 - 57.00 | 7.30 | | F | # | - | - |
| | NTU | SMI-PZ1M | WL | 11/09/2005 | N001 | 57.00 - 57.00 | 3.78 | | F | # | - | - |
| | NTU | SMI-PZ1M | WL | 12/08/2005 | N001 | 57.00 - 57.00 | 5.80 | | F | # | - | - |
| | NTU | SMI-PZ1S | WL | 10/13/2005 | N001 | 18.00 - 18.00 | 9.82 | | F | # | - | - |
| | NTU | SMI-PZ1S | WL | 11/09/2005 | N001 | 18.00 - 18.00 | 5.39 | | F | # | - | - |
| | NTU | SMI-PZ1S | WL | 12/08/2005 | N001 | 18.00 - 18.00 | 4.83 | | F | # | - | - |
| Uranium | mg/L | 0405 | WL | 05/06/2004 | 0001 | 18.29 - 18.29 | 1.300 | | F | # | 0.00069 | - |
| | mg/L | 0405 | WL | 08/11/2004 | 0001 | 19.00 - 19.00 | 1.300 | | F | # | 0.0012 | - |
| | mg/L | 0405 | WL | 10/15/2004 | 0001 | 18.00 - 18.00 | 1.500 | | JF | # | 0.00083 | - |
| | mg/L | 0405 | WL | 11/01/2004 | 0001 | 18.00 - 18.00 | 1.400 | | F | # | 0.00083 | - |
| | mg/L | 0405 | WL | 04/19/2005 | 0001 | 18.00 - 18.00 | 1.400 | | F | # | 0.00022 | - |
| | mg/L | 0405 | WL | 07/14/2005 | 0001 | 18.00 - 18.00 | 1.400 | | F | # | 0.00019 | - |
| | mg/L | 0405 | WL | 10/26/2005 | 0001 | 18.00 - 18.00 | 3.090 | | F | # | 0.00014 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0001 | 17.60 - 17.60 | 3.500 | | F | # | 0.00024 | - |
| | mg/L | 0405 | WL | 11/03/2005 | 0002 | 17.60 - 17.60 | 3.600 | | F | # | 0.00024 | - |
| | mg/L | 0405 | WL | 12/13/2005 | 0001 | 18.00 - 18.00 | 3.220 | | F | # | 0.00014 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0406 | WL | 05/06/2004 | 0001 | 16.29 - 16.29 | 1.300 | | F | # | 0.00069 | - |
| | mg/L | 0406 | WL | 08/11/2004 | 0001 | 17.00 - 17.00 | 1.300 | | F | # | 0.0012 | - |
| | mg/L | 0406 | WL | 11/02/2004 | 0001 | 16.00 - 16.00 | 1.500 | | F | # | 0.00083 | - |
| | mg/L | 0406 | WL | 04/19/2005 | 0001 | 16.00 - 16.00 | 2.200 | | F | # | 0.00022 | - |
| | mg/L | 0406 | WL | 07/14/2005 | 0001 | 16.00 - 16.00 | 1.600 | | F | # | 0.00019 | - |
| | mg/L | 0406 | WL | 11/03/2005 | 0001 | 17.30 - 17.30 | 2.100 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 39.00 - 39.00 | 2.500 | | F | # | 0.0012 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 26.00 - 26.00 | 2.300 | | F | # | 0.0012 | - |
| | mg/L | 0488 | WL | 08/19/2004 | 0001 | 33.00 - 33.00 | 2.400 | | F | # | 0.0012 | - |
| | mg/L | 0488 | WL | 10/15/2004 | 0001 | 33.00 - 33.00 | 2.600 | | JF | # | 0.00083 | - |
| | mg/L | 0488 | WL | 05/26/2005 | 0001 | 33.00 - 33.00 | 2.200 | | F | # | 0.00022 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0001 | 39.00 - 39.00 | 2.600 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 10/11/2005 | 0002 | 39.00 - 39.00 | 2.400 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 10/26/2005 | 0001 | 26.00 - 26.00 | 1.800 | | F | # | 0.00014 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 26.00 - 26.00 | 2.100 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 11/09/2005 | 0001 | 39.00 - 39.00 | 2.700 | | F | # | 0.00048 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0001 | 39.00 - 39.00 | 2.500 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 12/08/2005 | 0002 | 39.00 - 39.00 | 2.800 | | F | # | 0.00024 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0001 | 26.00 - 26.00 | 1.820 | | F | # | 0.00014 | - |
| | mg/L | 0488 | WL | 12/14/2005 | 0003 | 26.00 - 26.00 | 2.100 | | F | # | 0.00014 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 46.00 - 46.00 | 3.300 | | F | # | 0.0012 | - |
| | mg/L | 0493 | WL | 08/19/2004 | 0001 | 54.00 - 54.00 | 3.400 | | F | # | 0.0012 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 46.00 - 46.00 | 3.200 | | JF | # | 0.00083 | - |
| | mg/L | 0493 | WL | 10/15/2004 | 0001 | 54.00 - 54.00 | 3.400 | | JF | # | 0.00083 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 46.00 - 46.00 | 2.700 | | F | # | 0.00011 | - |
| | mg/L | 0493 | WL | 05/26/2005 | 0001 | 54.00 - 54.00 | 3.100 | | F | # | 0.00011 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:01 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0493 | WL | 10/11/2005 | 0001 | 46.00 - 46.00 | 2.500 | | F | # | 0.00048 | - |
| | mg/L | 0493 | WL | 10/11/2005 | 0001 | 54.00 - 54.00 | 3.200 | | F | # | 0.00024 | - |
| | mg/L | 0493 | WL | 11/09/2005 | 0001 | 54.00 - 54.00 | 3.500 | | F | # | 0.00024 | - |
| | mg/L | 0493 | WL | 12/08/2005 | 0001 | 54.00 - 54.00 | 3.300 | | F | # | 0.00024 | - |
| | mg/L | SMI-PW01 | WL | 10/13/2005 | 0001 | 40.00 - 40.00 | 2.200 | | F | # | 0.00048 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0001 | 40.00 - 40.00 | 2.100 | | F | # | 0.00024 | - |
| | mg/L | SMI-PW01 | WL | 11/09/2005 | 0002 | 20.09 - 60.09 | 2.100 | | F | # | 0.00024 | - |
| | mg/L | SMI-PW01 | WL | 12/08/2005 | 0001 | 40.00 - 40.00 | 2.500 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1D2 | WL | 10/13/2005 | 0001 | 73.00 - 73.00 | 1.400 | | F | # | 9.5E-05 | - |
| | mg/L | SMI-PZ1D2 | WL | 11/09/2005 | 0001 | 73.00 - 73.00 | 1.000 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1D2 | WL | 12/08/2005 | 0001 | 73.00 - 73.00 | 0.880 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1M | WL | 10/13/2005 | 0001 | 57.00 - 57.00 | 3.400 | | F | # | 0.00048 | - |
| | mg/L | SMI-PZ1M | WL | 11/09/2005 | 0001 | 57.00 - 57.00 | 3.600 | | F | # | 0.00048 | - |
| | mg/L | SMI-PZ1M | WL | 12/08/2005 | 0001 | 57.00 - 57.00 | 3.600 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1S | WL | 10/13/2005 | 0001 | 18.00 - 18.00 | 1.400 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1S | WL | 11/09/2005 | 0001 | 18.00 - 18.00 | 1.700 | | F | # | 0.00024 | - |
| | mg/L | SMI-PZ1S | WL | 12/08/2005 | 0001 | 18.00 - 18.00 | 1.800 | | F | # | 0.00024 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0405','0406','0488','0493','SMI-PW 01','SMI-PZ1S','SMI-PZ1M','SMI-PZ1D2') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 728 | | QF | # | - | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 708 | | QF | # | - | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 698 | | F | # | - | - |
| Ammonia Total as N | mg/L | 0495 | WL | 08/19/2004 | 0001 | 4.19 - 4.19 | 430 | | F | # | 50 | - |
| | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 400 | | QF | # | 50 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 71.300 | | QF | # | 5.49 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 75.200 | | FQ | # | 2.19 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 370 | | FQ | # | 50 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 330 | | QF | # | 20 | - |
| | mg/L | 0496 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 380 | | QF | # | 50 | - |
| | mg/L | 0497 | WL | 08/19/2004 | 0001 | 4.12 - 4.12 | 470 | | F | # | 50 | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 430 | | QF | # | 50 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 360 | | FQ | # | 50 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 440 | | QF | # | 20 | - |
| | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 410 | | QF | # | 50 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 522.000 | | QF | # | 5.49 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 455.000 | | FQ | # | 5.49 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 550 | | FQ | # | 50 | - |
| | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 520 | | QF | # | 20 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 560 | | QF | # | 50 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 490 | | F | # | 50 | - |
| | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 490 | | QF | # | 20 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 500 | | QF | # | 50 | - |
| | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 60 | | FQ | # | 2 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 79 | | QF | # | 20 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 120 | | QF | # | 5 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia Total as N | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 200 | | FQ | # | 50 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 490 | | QF | # | 20 | - |
| | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 460 | | QF | # | 50 | - |
| Biochemical Oxygen Dema | mg/L | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 0.19 | | QF | # | 0.1 | - |
| | mg/L | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 2.06 | | QF | # | 0.1 | - |
| Bromide | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 4.8 | | FQ | # | 0.026 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 4 | U | QF | # | 4 | - |
| | mg/L | 0496 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 4 | U | QF | # | 4 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 4 | U | QF | # | 4 | - |
| | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 4 | U | QF | # | 4 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 5.1 | U | QF | # | 5.1 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 25.7 | U | FQ | # | 25.7 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 4 | U | QF | # | 4 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 4 | U | QF | # | 4 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 4 | U | F | # | 4 | - |
| | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 4 | U | QF | # | 4 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 4 | U | QF | # | 4 | - |
| | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 4 | U | QF | # | 4 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 4 | U | QF | # | 4 | - |
| | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 4 | U | FQ | # | 4 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 4 | U | QF | # | 4 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 4 | U | QF | # | 4 | - |
| Carbon Dioxide | mg/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 100 | | QF | # | 0.53 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 100 | | FQ | # | 0.53 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 34 | | F | # | 0.53 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 17 | | FQ | # | 0.53 | - |
| Chemical Oxygen Demand | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 1420 | | JFQ | # | 9.2 | - |
| Chloride | mg/L | 0495 | WL | 08/19/2004 | 0001 | 4.19 - 4.19 | 1300 | | F | # | 40 | - |
| | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 1400 | | QF | # | 40 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 5700 | | QF | # | 250 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 5170 | J | FQ | # | 125 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 2400 | | FQ | # | 40 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 2200 | | QF | # | 40 | - |
| | mg/L | 0496 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 2500 | | QF | # | 40 | - |
| | mg/L | 0497 | WL | 08/19/2004 | 0001 | 4.12 - 4.12 | 1400 | | F | # | 40 | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 1500 | | QF | # | 40 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 3200 | | FQ | # | 40 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 3200 | | QF | # | 40 | - |
| | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 3600 | | QF | # | 100 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 2900 | | QF | # | 125 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 2620 | J | FQ | # | 25 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 2500 | | FQ | # | 40 | - |
| | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 2100 | | QF | # | 40 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 2300 | | QF | # | 40 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 2500 | | F | # | 40 | - |
| | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 2400 | | QF | # | 40 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 2600 | | QF | # | 40 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 3300 | | FQ | # | 40 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 2800 | | QF | # | 40 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 3500 | | QF | # | 100 | - |
| | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 2100 | | FQ | # | 40 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 2400 | | QF | # | 40 | - |
| | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 2800 | | QF | # | 100 | - |
| Dissolved Organic Carbon | mg/L | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 5720 | H | JQF | # | 43 | - |
| | mg/L | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 125 | | FQ | # | 0.474 | - |
| | mg/L | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 2150 | H | JQF | # | 43 | - |
| | mg/L | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 0.87 | B | FQ | # | 0.47 | - |
| Dissolved Oxygen | mg/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 5.6 | | QF | # | 0.07 | - |
| | mg/L | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 5.36 | | QF | # | - | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 4.3 | | FQ | # | 0.07 | - |
| | mg/L | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 5.39 | | FQ | # | - | - |
| | mg/L | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | 0.80 | | FQ | # | - | - |
| | mg/L | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 1.11 | | QF | # | - | - |
| | mg/L | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 4.23 | | QF | # | - | - |
| | mg/L | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | 2.11 | | FQ | # | - | - |
| | mg/L | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 2.67 | | QF | # | - | - |
| | mg/L | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 5.54 | | QF | # | - | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 4.3 | | F | # | 0.07 | - |
| | mg/L | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 2.93 | | QF | # | - | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 4.3 | | FQ | # | 0.07 | - |
| | mg/L | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 4.76 | | FQ | # | - | - |
| | mg/L | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | 0.70 | | FQ | # | - | - |
| | mg/L | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 3.26 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dissolved Oxygen | mg/L | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 3.90 | | QF | # | - | - |
| | mg/L | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | 0.98 | | F | # | - | - |
| | mg/L | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 3.11 | | QF | # | - | - |
| | mg/L | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 7.19 | | QF | # | - | - |
| | mg/L | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | 0.55 | | FQ | # | - | - |
| | mg/L | 0617 | WL | 11/09/2005 | N001 | 2.20 - 2.20 | 3.02 | | QF | # | - | - |
| | mg/L | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | 6.92 | | QF | # | - | - |
| | mg/L | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | 1.53 | | FQ | # | - | - |
| | mg/L | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 3.44 | | QF | # | - | - |
| | mg/L | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 5.40 | | QF | # | - | - |
| Iron | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.0074 | U | QF | # | 0.0074 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.34 | | QF | # | 0.03 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.0074 | U | FQ | # | 0.0074 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.12 | | QF | # | 0.03 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 4.00 | | F | # | 0.03 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 1.570 | | QF | # | 0.0074 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.26 | | QF | # | 0.03 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.701 | | FQ | # | 0.0074 | - |
| Iron (II) | mg/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 0.6 | J | QF | # | 0.1 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 0.3 | | JFQ | # | 0.1 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 0.6 | J | F | # | 0.1 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 1 | | FQ | # | 0.1 | - |
| Manganese | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 5.020 | | QF | # | 0.001 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 4.820 | | FQ | # | 0.001 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 7.840 | | QF | # | 0.001 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 6.160 | | FQ | # | 0.001 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manganese (II) | mg/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 3.7 | | QF | # | - | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 7.2 | | FQ | # | - | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 5.7 | | F | # | - | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 4.7 | J | FQ | # | - | - |
| Methane | ug/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 280 | | QF | # | 0.011 | - |
| | ug/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 7.1 | J | FQ | # | 0.011 | - |
| | ug/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 0.91 | | F | # | 0.011 | - |
| | ug/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 0.82 | UM | FQ | # | 0.011 | - |
| Nitrate + Nitrite as Nitrogen | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 523.000 | | QF | # | 2.69 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 386.000 | | JFQ | # | 2.69 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 185.000 | | QF | # | 2.69 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 177.000 | | JFQ | # | 1.08 | - |
| Nitrifying Bacteria | cfu/mL | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 100000 | | QF | # | 1000 | - |
| | cfu/mL | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 1000 | U | QF | # | 1000 | - |
| | cfu/mL | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 100000 | | F | # | 1000 | - |
| | cfu/mL | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 100000 | | QF | # | 1000 | - |
| Nitrite as Nitrogen | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.041 | | QF | # | 0.005 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.063 | | QF | # | 0.005 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 2.1 | | F | # | 0.005 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 3.3 | | QF | # | 0.005 | - |
| Nitrogen, Total | mg/L | 0495 | WL | 10/26/2005 | 0002 | 5.10 - 5.10 | 20 | | QF | # | 0.06 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0002 | 5.10 - 5.10 | 18 | | FQ | # | 0.06 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0002 | 9.80 - 9.80 | 16 | | F | # | 0.06 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0002 | 9.80 - 9.80 | 15 | | FQ | # | 0.06 | - |
| ortho-Phosphate | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.3 | U | QF | # | 0.3 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ortho-Phosphate | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.3 | U | QF | # | 0.3 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.4 | | F | # | 0.3 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.3 | U | QF | # | 0.3 | - |
| Oxidation Reduction Potent | mV | 0495 | WL | 08/19/2004 | N001 | 4.19 - 4.19 | -112.7 | | F | # | - | - |
| | mV | 0495 | WL | 10/19/2004 | N001 | 4.19 - 4.19 | -221 | | QF | # | - | - |
| | mV | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | -72.8 | | QF | # | - | - |
| | mV | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 141.6 | | FQ | # | - | - |
| | mV | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | -162 | | FQ | # | - | - |
| | mV | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | -46.0 | | QF | # | - | - |
| | mV | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | -25 | | QF | # | - | - |
| | mV | 0497 | WL | 08/19/2004 | N001 | 4.12 - 4.12 | 33.7 | | F | # | - | - |
| | mV | 0497 | WL | 10/19/2004 | N001 | 4.12 - 4.12 | -258 | | QF | # | - | - |
| | mV | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | -251 | | FQ | # | - | - |
| | mV | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | -86.0 | | QF | # | - | - |
| | mV | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 23 | | QF | # | - | - |
| | mV | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | -291.6 | | QF | # | - | - |
| | mV | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 30.1 | | FQ | # | - | - |
| | mV | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | -82 | | FQ | # | - | - |
| | mV | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 75.0 | | QF | # | - | - |
| | mV | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 45 | | QF | # | - | - |
| | mV | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | -13 | | F | # | - | - |
| | mV | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | -24.0 | | QF | # | - | - |
| | mV | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 23 | | QF | # | - | - |
| | mV | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | -133 | | FQ | # | - | - |
| | mV | 0617 | WL | 11/09/2005 | N001 | 2.20 - 2.20 | -144 | | QF | # | - | - |
| | mV | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | -102 | | QF | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Oxidation Reduction Potent | mV | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | -112 | | FQ | # | - | - |
| | mV | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | -142 | | QF | # | - | - |
| | mV | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 8.4 | | QF | # | - | - |
| pH | s.u. | 0495 | WL | 08/19/2004 | N001 | 4.19 - 4.19 | 8.29 | | F | # | - | - |
| | s.u. | 0495 | WL | 10/19/2004 | N001 | 4.19 - 4.19 | 6.80 | | QF | # | - | - |
| | s.u. | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 7.13 | | QF | # | - | - |
| | s.u. | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 6.75 | | FQ | # | - | - |
| | s.u. | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | 7.72 | | FQ | # | - | - |
| | s.u. | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 7.29 | | QF | # | - | - |
| | s.u. | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 7.16 | | QF | # | - | - |
| | s.u. | 0497 | WL | 08/19/2004 | N001 | 4.12 - 4.12 | 6.68 | | F | # | - | - |
| | s.u. | 0497 | WL | 10/19/2004 | N001 | 4.12 - 4.12 | 8.51 | | QF | # | - | - |
| | s.u. | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | 8.90 | | FQ | # | - | - |
| | s.u. | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 9.21 | | QF | # | - | - |
| | s.u. | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 8.29 | | QF | # | - | - |
| | s.u. | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 8.38 | | QF | # | - | - |
| | s.u. | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 9.22 | | FQ | # | - | - |
| | s.u. | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | 7.96 | | FQ | # | - | - |
| | s.u. | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 6.95 | | QF | # | - | - |
| | s.u. | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 8.01 | | QF | # | - | - |
| | s.u. | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | 6.75 | | F | # | - | - |
| | s.u. | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 7.00 | | QF | # | - | - |
| | s.u. | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 7.35 | | QF | # | - | - |
| | s.u. | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | 7.71 | | FQ | # | - | - |
| | s.u. | 0617 | WL | 11/09/2005 | N001 | 2.20 - 2.20 | 7.76 | | QF | # | - | - |
| | s.u. | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | 7.69 | | QF | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB DATA QA | | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| pH | s.u. | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | 8.40 | FQ | # | - | - |
| | s.u. | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 8.63 | QF | # | - | - |
| | s.u. | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 8.06 | QF | # | - | - |
| Phosphorus | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.415 | FQ | # | 0.0101 | - |
| Selenium | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.00053 | QF | # | 0.00057 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.00227 | FQ | # | 0.00057 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.00229 | QF | # | 0.00057 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.00134 | FQ | # | 0.00057 | - |
| Specific Conductance | umhos/cm | 0495 | WL | 08/19/2004 | N001 | 4.19 - 4.19 | 17191 | F | # | - | - |
| | umhos/cm | 0495 | WL | 10/19/2004 | N001 | 4.19 - 4.19 | 15244 | QF | # | - | - |
| | umhos/cm | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 26895 | QF | # | - | - |
| | umhos/cm | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 34009 | FQ | # | - | - |
| | umhos/cm | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | 11470 | FQ | # | - | - |
| | umhos/cm | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 15000 | QF | # | - | - |
| | umhos/cm | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 15100 | QF | # | - | - |
| | umhos/cm | 0497 | WL | 08/19/2004 | N001 | 4.12 - 4.12 | 16333 | F | # | - | - |
| | umhos/cm | 0497 | WL | 10/19/2004 | N001 | 4.12 - 4.12 | 14510 | QF | # | - | - |
| | umhos/cm | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | 1610 | FQ | # | - | - |
| | umhos/cm | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 2390 | QF | # | - | - |
| | umhos/cm | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 21770 | QF | # | - | - |
| | umhos/cm | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 21062 | QF | # | - | - |
| | umhos/cm | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 20486 | FQ | # | - | - |
| | umhos/cm | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | 19860 | FQ | # | - | - |
| | umhos/cm | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 18520 | QF | # | - | - |
| | umhos/cm | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 18580 | QF | # | - | - |
| | umhos/cm | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | 19850 | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Specific Conductance | umhos/cm | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 20340 | | QF | # | - | - |
| | umhos/cm | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 20120 | | QF | # | - | - |
| | umhos/cm | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | 19240 | | FQ | # | - | - |
| | umhos/cm | 0617 | WL | 11/09/2005 | N001 | 2.20 - 2.20 | 19940 | | QF | # | - | - |
| | umhos/cm | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | 18800 | | QF | # | - | - |
| | umhos/cm | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | 3335 | | FQ | # | - | - |
| | umhos/cm | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 19190 | | QF | # | - | - |
| | umhos/cm | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 20190 | | QF | # | - | - |
| Sulfate | mg/L | 0495 | WL | 08/19/2004 | 0001 | 4.19 - 4.19 | 7100 | | F | # | 100 | - |
| | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 7600 | | QF | # | 100 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 16100 | | QF | # | 612 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 18200 | | FQ | # | 306 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 8200 | | FQ | # | 100 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 7700 | | QF | # | 100 | - |
| | mg/L | 0496 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 8200 | | QF | # | 100 | - |
| | mg/L | 0497 | WL | 08/19/2004 | 0001 | 4.12 - 4.12 | 7400 | | F | # | 100 | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 7300 | | QF | # | 100 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 11000 | | FQ | # | 100 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 12000 | | QF | # | 100 | - |
| | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 12000 | | QF | # | 250 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 8880 | | QF | # | 306 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 10000 | | FQ | # | 61.2 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 10000 | | FQ | # | 100 | - |
| | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 8600 | | QF | # | 100 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 9200 | | QF | # | 100 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 9200 | | F | # | 100 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 9500 | | QF | # | 100 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 9800 | | QF | # | 100 | - |
| | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 11000 | | FQ | # | 100 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 10000 | | QF | # | 100 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 12000 | | QF | # | 250 | - |
| | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 8700 | | FQ | # | 100 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 9700 | | QF | # | 100 | - |
| | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 9900 | | QF | # | 250 | - |
| Sulfide | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.01 | U | QF | # | 0.01 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 0.01 | U | QF | # | 0.01 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 0.01 | U | F | # | 0.01 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 0.01 | U | QF | # | 0.01 | - |
| Temperature | C | 0495 | WL | 08/19/2004 | N001 | 4.19 - 4.19 | 23.86 | | F | # | - | - |
| | C | 0495 | WL | 10/19/2004 | N001 | 4.19 - 4.19 | 15.88 | | QF | # | - | - |
| | C | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 18.08 | | QF | # | - | - |
| | C | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 11.70 | | FQ | # | - | - |
| | C | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | 18.4 | | FQ | # | - | - |
| | C | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 15.6 | | QF | # | - | - |
| | C | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 9.3 | | QF | # | - | - |
| | C | 0497 | WL | 08/19/2004 | N001 | 4.12 - 4.12 | 21.25 | | F | # | - | - |
| | C | 0497 | WL | 10/19/2004 | N001 | 4.12 - 4.12 | 14.43 | | QF | # | - | - |
| | C | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | 17.0 | | FQ | # | - | - |
| | C | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 14.6 | | QF | # | - | - |
| | C | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 10.0 | | QF | # | - | - |
| | C | 0597 | WL | 10/26/2005 | N001 | 9.80 - 9.80 | 17.49 | | QF | # | - | - |
| | C | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 12.05 | | FQ | # | - | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Temperature | C | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | 17.9 | | FQ | # | - | - |
| | C | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 15.8 | | QF | # | - | - |
| | C | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 11.4 | | QF | # | - | - |
| | C | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | 16.6 | | F | # | - | - |
| | C | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 15.4 | | QF | # | - | - |
| | C | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 11.6 | | QF | # | - | - |
| | C | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | 14.7 | | FQ | # | - | - |
| | C | 0617 | WL | 11/09/2005 | N001 | 2.20 - 2.20 | 13.0 | | QF | # | - | - |
| | C | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | 5.1 | | QF | # | - | - |
| | C | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | 15.1 | | FQ | # | - | - |
| | C | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 12.5 | | QF | # | - | - |
| | C | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 5.4 | | QF | # | - | - |
| Total Dissolved Solids | mg/L | 0495 | WL | 08/19/2004 | 0001 | 4.19 - 4.19 | 13000 | | F | # | 400 | - |
| | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 13000 | | QF | # | 400 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 38800 | | QF | # | 3.6 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 31800 | J | FQ | # | 3.6 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 14000 | | FQ | # | 400 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 14000 | | QF | # | 400 | - |
| | mg/L | 0496 | WL | 12/07/2005 | 0001 | 2.70 - 2.70 | 14000 | | QF | # | 400 | - |
| | mg/L | 0497 | WL | 08/19/2004 | 0001 | 4.12 - 4.12 | 13000 | | F | # | 400 | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 13000 | | QF | # | 400 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 21000 | | FQ | # | 400 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 21000 | | QF | # | 400 | - |
| | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 21000 | | QF | # | 400 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 18200 | J | FQ | # | 3.6 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 17000 | | FQ | # | 400 | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 14000 | | QF | # | 400 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 15000 | | QF | # | 400 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 16000 | | F | # | 400 | - |
| | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 16000 | | QF | # | 400 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 17000 | | QF | # | 400 | - |
| | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 21000 | | FQ | # | 400 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 19000 | | QF | # | 400 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 23000 | | QF | # | 400 | - |
| | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 12000 | | FQ | # | 400 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 17000 | | QF | # | 400 | - |
| | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 18000 | | QF | # | 400 | - |
| Total Inorganic Carbon | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 241 | | QF | # | 44.4 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 247 | | FQ | # | 22.2 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 62.8 | | QF | # | 11.1 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 220 | | FQ | # | 22.2 | - |
| Total Kjeldahl Nitrogen | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 64.7 | | FQ | # | 0.12 | - |
| Total Organic Carbon | mg/L | 0495 | WL | 10/26/2005 | N001 | 5.10 - 5.10 | 6460 | H | JQF | # | 43 | - |
| | mg/L | 0495 | WL | 12/13/2005 | N001 | 5.10 - 5.10 | 4.7 | U | FQ | # | 4.7 | - |
| | mg/L | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 7.8 | | FQ | # | 0.47 | - |
| Turbidity | NTU | 0495 | WL | 08/19/2004 | N001 | 4.19 - 4.19 | 1000 | > | F | # | - | - |
| | NTU | 0495 | WL | 10/19/2004 | N001 | 4.19 - 4.19 | 1000 | > | QF | # | - | - |
| | NTU | 0496 | WL | 10/12/2005 | N001 | 2.70 - 2.70 | 1000 | > | FQ | # | - | - |
| | NTU | 0496 | WL | 11/09/2005 | N001 | 2.70 - 2.70 | 1000 | > | QF | # | - | - |
| | NTU | 0496 | WL | 12/07/2005 | N001 | 2.70 - 2.70 | 1000 | > | QF | # | - | - |
| | NTU | 0497 | WL | 08/19/2004 | N001 | 4.12 - 4.12 | 130 | | F | # | - | - |

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbidity | NTU | 0497 | WL | 10/19/2004 | N001 | 4.12 - 4.12 | 217 | | QF # | - | - |
| | NTU | 0497 | WL | 10/12/2005 | N001 | 4.80 - 4.80 | 1000 | > | FQ # | - | - |
| | NTU | 0497 | WL | 11/09/2005 | N001 | 4.80 - 4.80 | 837 | | QF # | - | - |
| | NTU | 0497 | WL | 12/07/2005 | N001 | 4.80 - 4.80 | 322 | | QF # | - | - |
| | NTU | 0597 | WL | 12/13/2005 | N001 | 9.80 - 9.80 | 567 | | FQ # | - | - |
| | NTU | 0598 | WL | 10/12/2005 | N001 | 9.60 - 9.60 | 1000 | > | FQ # | - | - |
| | NTU | 0598 | WL | 11/09/2005 | N001 | 9.60 - 9.60 | 1000 | > | QF # | - | - |
| | NTU | 0598 | WL | 12/07/2005 | N001 | 9.60 - 9.60 | 675 | | QF # | - | - |
| | NTU | 0599 | WL | 10/12/2005 | N001 | 9.90 - 9.90 | 8.36 | | F # | - | - |
| | NTU | 0599 | WL | 11/09/2005 | N001 | 9.90 - 9.90 | 155 | | QF # | - | - |
| | NTU | 0599 | WL | 12/07/2005 | N001 | 9.90 - 9.90 | 50.5 | | QF # | - | - |
| | NTU | 0617 | WL | 10/12/2005 | N001 | 2.20 - 2.20 | 1000 | > | FQ # | - | - |
| | NTU | 0617 | WL | 12/07/2005 | N001 | 2.20 - 2.20 | 121 | | QF # | - | - |
| | NTU | 0618 | WL | 10/12/2005 | N001 | 5.80 - 5.80 | 1000 | > | FQ # | - | - |
| | NTU | 0618 | WL | 11/09/2005 | N001 | 5.80 - 5.80 | 210 | | QF # | - | - |
| | NTU | 0618 | WL | 12/07/2005 | N001 | 5.80 - 5.80 | 112 | | QF # | - | - |
| Uranium | mg/L | 0495 | WL | 08/19/2004 | 0001 | 4.19 - 4.19 | 1.200 | | F # | 0.0012 | - |
| | mg/L | 0495 | WL | 10/19/2004 | 0001 | 4.19 - 4.19 | 1.300 | | JQF # | 0.00083 | - |
| | mg/L | 0495 | WL | 10/26/2005 | 0001 | 5.10 - 5.10 | 0.849 | | QF # | 0.00014 | - |
| | mg/L | 0495 | WL | 12/13/2005 | 0001 | 5.10 - 5.10 | 17.400 | | FQ # | 0.00068 | - |
| | mg/L | 0496 | WL | 10/12/2005 | 0001 | 2.70 - 2.70 | 0.0037 | | FQ # | 4.8E-06 | - |
| | mg/L | 0496 | WL | 11/09/2005 | 0001 | 2.70 - 2.70 | 0.00045 | | QF # | 4.8E-06 | - |
| | mg/L | 0497 | WL | 08/19/2004 | 0001 | 4.12 - 4.12 | 1.400 | E | JF # | 0.0012 | - |
| | mg/L | 0497 | WL | 10/19/2004 | 0001 | 4.12 - 4.12 | 0.840 | | JQF # | 8.3E-05 | - |
| | mg/L | 0497 | WL | 10/12/2005 | 0001 | 4.80 - 4.80 | 0.600 | | FQ # | 4.8E-05 | - |
| | mg/L | 0497 | WL | 11/09/2005 | 0001 | 4.80 - 4.80 | 1.400 | | QF # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA | QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Uranium | mg/L | 0497 | WL | 12/07/2005 | 0001 | 4.80 - 4.80 | 0.850 | | QF | # | 0.00024 | - |
| | mg/L | 0597 | WL | 10/26/2005 | 0001 | 9.80 - 9.80 | 1.110 | | QF | # | 0.00014 | - |
| | mg/L | 0597 | WL | 12/13/2005 | 0001 | 9.80 - 9.80 | 1.590 | | FQ | # | 0.00014 | - |
| | mg/L | 0598 | WL | 10/12/2005 | 0001 | 9.60 - 9.60 | 0.500 | | FQ | # | 4.8E-05 | - |
| | mg/L | 0598 | WL | 11/09/2005 | 0001 | 9.60 - 9.60 | 1.700 | | QF | # | 0.00024 | - |
| | mg/L | 0598 | WL | 12/07/2005 | 0001 | 9.60 - 9.60 | 2.100 | | QF | # | 0.00024 | - |
| | mg/L | 0599 | WL | 10/12/2005 | 0001 | 9.90 - 9.90 | 1.800 | | F | # | 0.00024 | - |
| | mg/L | 0599 | WL | 11/09/2005 | 0001 | 9.90 - 9.90 | 2.300 | | QF | # | 0.00024 | - |
| | mg/L | 0599 | WL | 12/07/2005 | 0001 | 9.90 - 9.90 | 2.400 | | QF | # | 0.00024 | - |
| | mg/L | 0617 | WL | 10/12/2005 | 0001 | 2.20 - 2.20 | 1.600 | | FQ | # | 0.00024 | - |
| | mg/L | 0617 | WL | 11/09/2005 | 0001 | 2.20 - 2.20 | 1.000 | | QF | # | 0.00024 | - |
| | mg/L | 0617 | WL | 12/07/2005 | 0001 | 2.20 - 2.20 | 2.800 | | QF | # | 0.00024 | - |
| | mg/L | 0618 | WL | 10/12/2005 | 0001 | 5.80 - 5.80 | 0.190 | | FQ | # | 2.4E-05 | - |
| | mg/L | 0618 | WL | 11/09/2005 | 0001 | 5.80 - 5.80 | 0.450 | | QF | # | 2.4E-05 | - |
| | mg/L | 0618 | WL | 12/07/2005 | 0001 | 5.80 - 5.80 | 0.220 | | QF | # | 0.00024 | - |

GROUND WATER QUALITY DATA BY PARAMETER WITH DEPTH (USEE200) FOR SITE MOA01, Moab Site
REPORT DATE: 4/27/2006 4:04 pm

| PARAMETER | UNITS | LOCATION ID | LOCATION TYPE | SAMPLE: DATE | ID | DEPTH RANGE (FT BLS) | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UN-CERTAINTY |
|---|---|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE200 WHERE site_code='MOA01' AND location_code in ('0494','0495','0597','0496','0497','0598','0617','0618','0599') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LOCATION TYPES: WL WELL

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compound (TIC). |
| P | > 25% difference in detected pesticide or Aroclor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | | | |
|---|---|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. | J | Estimated value. |
| L | Less than 3 bore volumes purged prior to sampling. | Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. | | |

QA QUALIFIER: # = validated according to Quality Assurance guidelines.

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:25 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | SAMPLE: ID | RESULT | QUALIFIERS: LAB | QUALIFIERS: DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|
| Alkalinity, Total (As CaCO3 | mg/L | 0243 | 10/12/2005 | 0001 | 164 | | # | - | - |
| Ammonia Total as N | mg/L | 0243 | 10/12/2005 | 0001 | 0.1 | U | # | 0.1 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 0.32 | | # | 0.1 | - |
| Bromide | mg/L | 0243 | 10/12/2005 | 0001 | 0.4 | U | # | 0.4 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 0.4 | U | # | 0.4 | - |
| Chloride | mg/L | 0243 | 10/12/2005 | 0001 | 92 | | # | 4 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 150 | | # | 4 | - |
| Dissolved Oxygen | mg/L | 0243 | 10/12/2005 | N001 | 10.41 | | # | - | - |
| | mg/L | 0243 | 12/08/2005 | N001 | 12.84 | | # | - | - |
| Oxidation Reduction Potent | mV | 0243 | 10/12/2005 | N001 | 29 | | # | - | - |
| | mV | 0243 | 12/08/2005 | N001 | 110 | | # | - | - |
| pH | s.u. | 0243 | 10/12/2005 | N001 | 8.19 | | # | - | - |
| | s.u. | 0243 | 12/08/2005 | N001 | 8.26 | | # | - | - |
| Specific Conductance | umhos/cm | 0243 | 10/12/2005 | N001 | 1330 | | # | - | - |
| | umhos/cm | 0243 | 12/08/2005 | N001 | 1517 | | # | - | - |
| Sulfate | mg/L | 0243 | 10/12/2005 | 0001 | 350 | | # | 10 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 290 | | # | 10 | - |
| Temperature | C | 0243 | 10/12/2005 | N001 | 14.1 | | # | - | - |
| | C | 0243 | 12/08/2005 | N001 | 1.9 | | # | - | - |
| Total Dissolved Solids | mg/L | 0243 | 10/12/2005 | 0001 | 790 | | # | 40 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 840 | | # | 40 | - |
| Turbidity | NTU | 0243 | 10/12/2005 | N001 | 1000 | > | # | - | - |
| Uranium | mg/L | 0243 | 10/12/2005 | 0001 | 0.0072 | | # | 4.8E-06 | - |
| | mg/L | 0243 | 12/08/2005 | 0001 | 0.010 | | # | 2.4E-05 | - |

SURFACE WATER QUALITY DATA BY PARAMETER (USEE800) FOR SITE MOA01, Moab Site
REPORT DATE: 5/8/2006 9:25 am

| PARAMETER | UNITS | LOCATION ID | SAMPLE: DATE | ID | RESULT | QUALIFIERS: LAB | DATA QA | DETECTION LIMIT | UNCERTAINTY |
|---|---|---|---|---|---|---|---|---|---|

RECORDS: SELECTED FROM USEE800 WHERE site_code='MOA01' AND location_code in ('0241','0242','0243') AND quality_assurance = TRUE AND (data_validation_qualifiers IS NULL OR data_validation_qualifiers NOT LIKE '%R%' AND data_validation_qualifiers NOT LIKE '%X%') AND DATE_SAMPLED between #1/1/2004# and #12/31/2005#

SAMPLE ID CODES: 000X = Filtered sample (0.45 µm). N00X = Unfiltered sample. X = replicate number.

LAB QUALIFIERS:

| | |
|---|---|
| * | Replicate analysis not within control limits. |
| + | Correlation coefficient for MSA < 0.995. |
| > | Result above upper detection limit. |
| A | TIC is a suspected aldol-condensation product. |
| B | Inorganic: Result is between the IDL and CRDL. Organic & Radiochemistry: Analyte also found in method blank. |
| C | Pesticide result confirmed by GC-MS. |
| D | Analyte determined in diluted sample. |
| E | Inorganic: Estimate value because of interference, see case narrative. Organic: Analyte exceeded calibration range of the GC-MS. |
| H | Holding time expired, value suspect. |
| I | Increased detection limit due to required dilution. |
| J | Estimated |
| M | GFAA duplicate injection precision not met. |
| N | Inorganic or radiochemical: Spike sample recovery not within control limits. Organic: Tentatively identified compund (TIC). |
| P | > 25% difference in detected pesticide or Arochlor concentrations between 2 columns. |
| S | Result determined by method of standard addition (MSA). |
| U | Analytical result below detection limit. |
| W | Post-digestion spike outside control limits while sample absorbance < 50% of analytical spike absorbance. |
| X | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Y | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |
| Z | Laboratory defined (USEPA CLP organic) qualifier, see case narrative. |

DATA QUALIFIERS:

| | | | |
|---|---|---|---|
| F | Low flow sampling method used. | G | Possible grout contamination, pH > 9. |
| J | Estimated value. | L | Less than 3 bore volumes purged prior to sampling. |
| Q | Qualitative result due to sampling technique | R | Unusable result. |
| U | Parameter analyzed for but was not detected. | X | Location is undefined. |

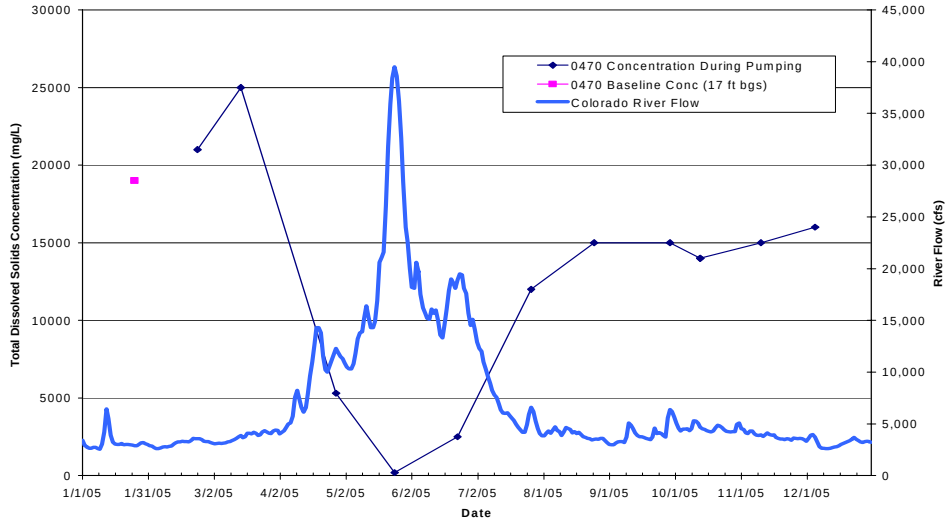
QA QUALIFIER: # = validated according to Quality Assurance guidelines.

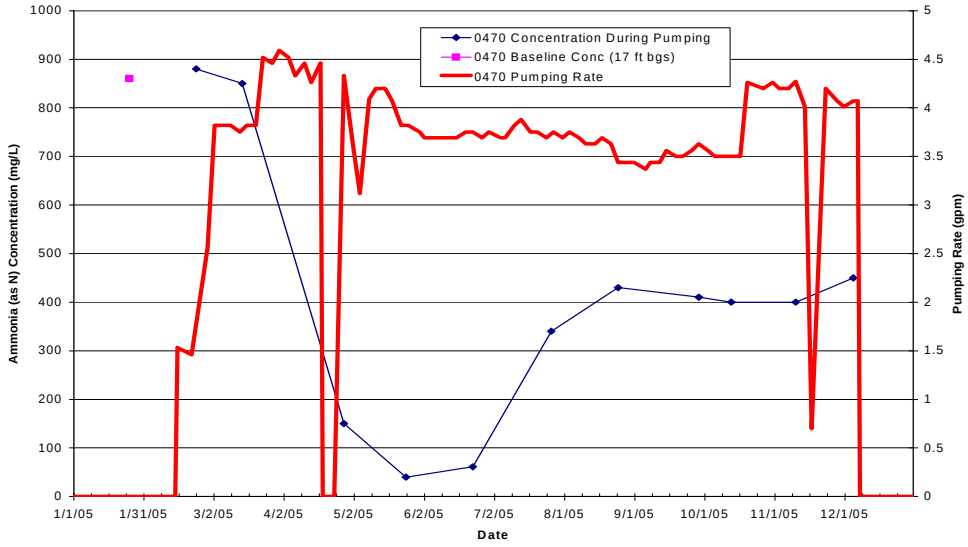
# Appendix H

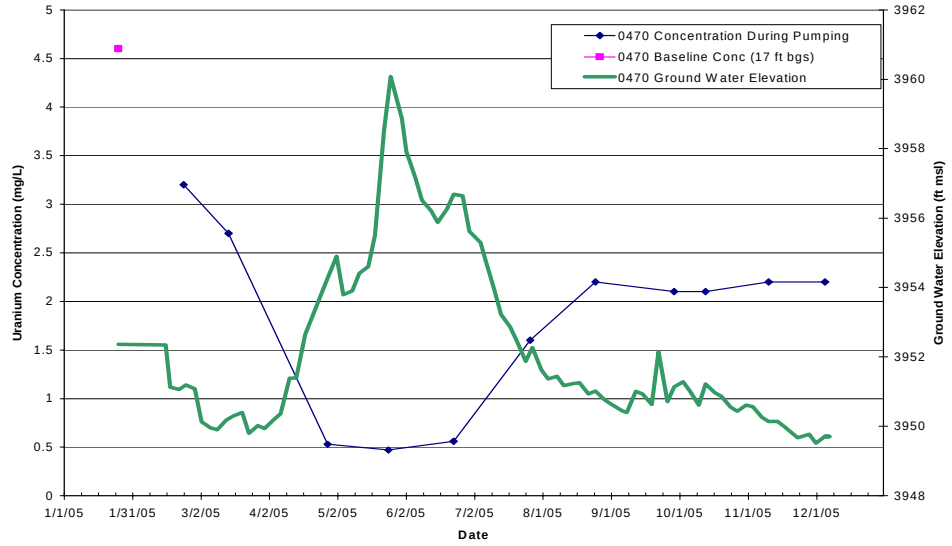
# Configurations 1 and 3 Extraction Well Analyte Concentration Plots and Surface Water 216 Photos

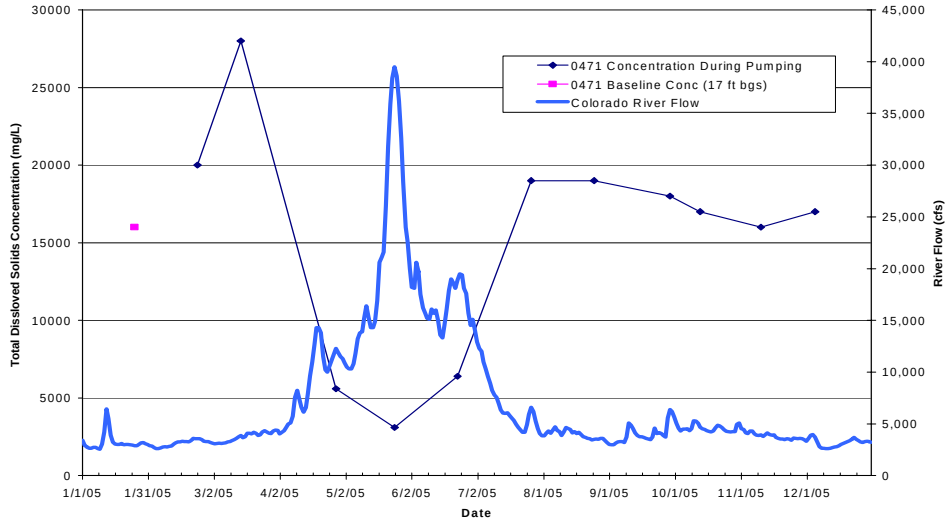
# Appendix H−1

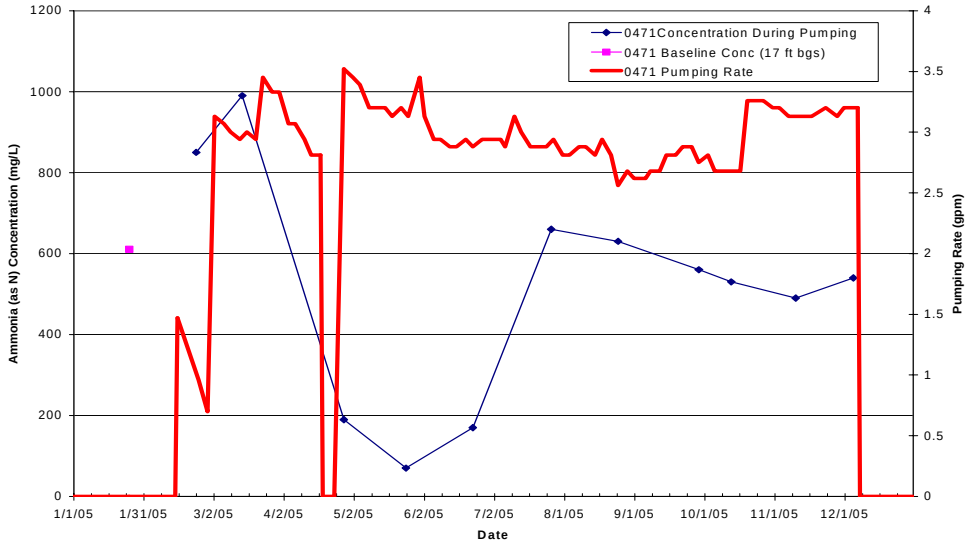
# Configuration 1 Extraction Well
# Analyte Concentration Plots

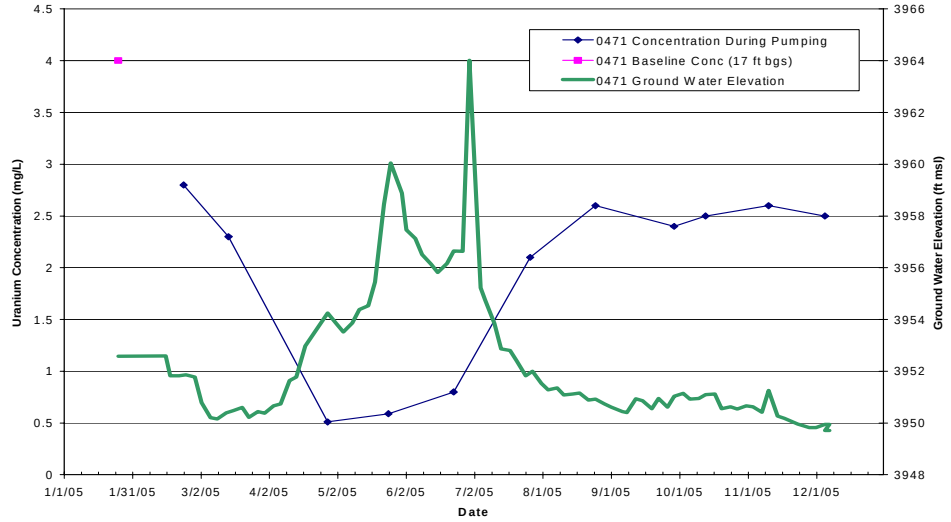

0470 Concentration During Pumping
0470 Baseline Conc (17 ft bgs)
Colorado River Flow
Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
30000
25000
20000
15000
10000
5000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

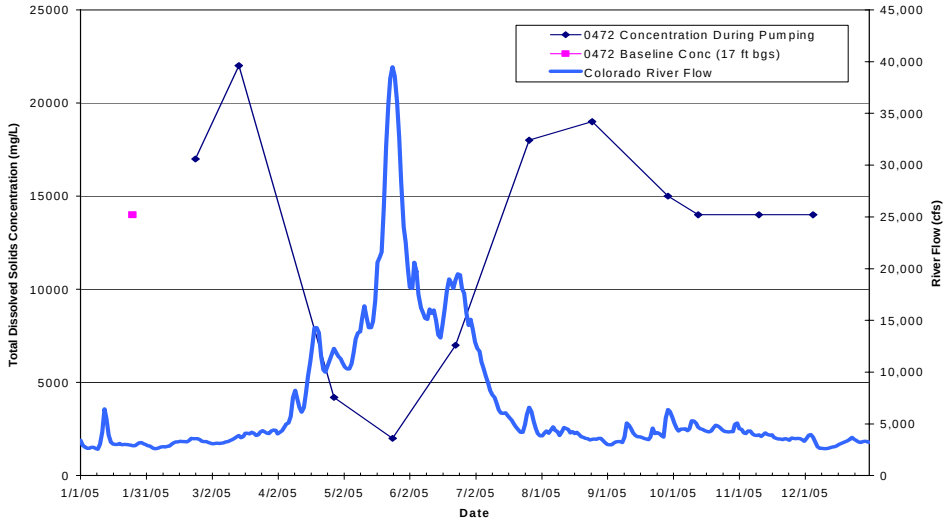

0470 Concentration During Pumping
0470 Baseline Conc (17 ft bgs)
0470 Pumping Rate
Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
1000
900
800
700
600
500
400
300
200
100
0
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

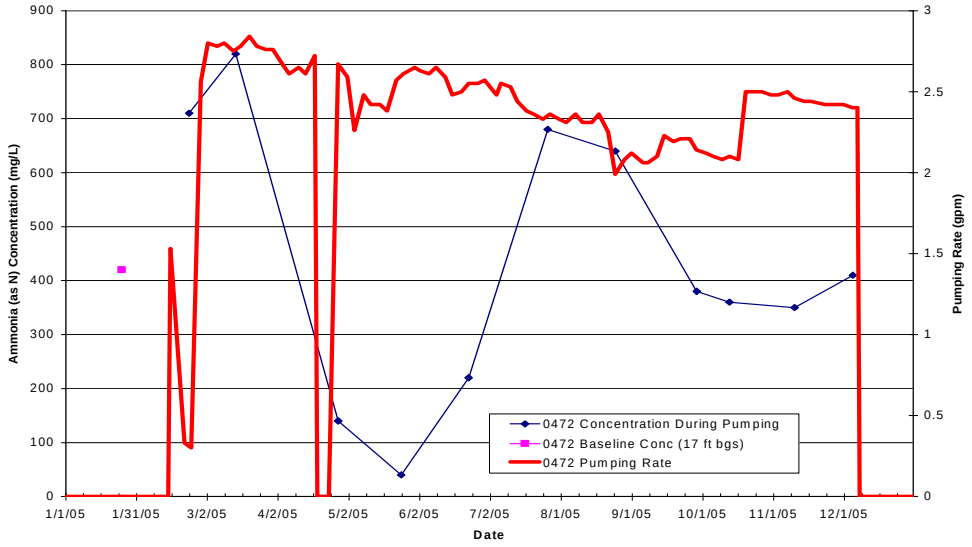

0470 Concentration During Pumping
0470 Baseline Conc (17 ft bgs)
0470 Ground Water Elevation
Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

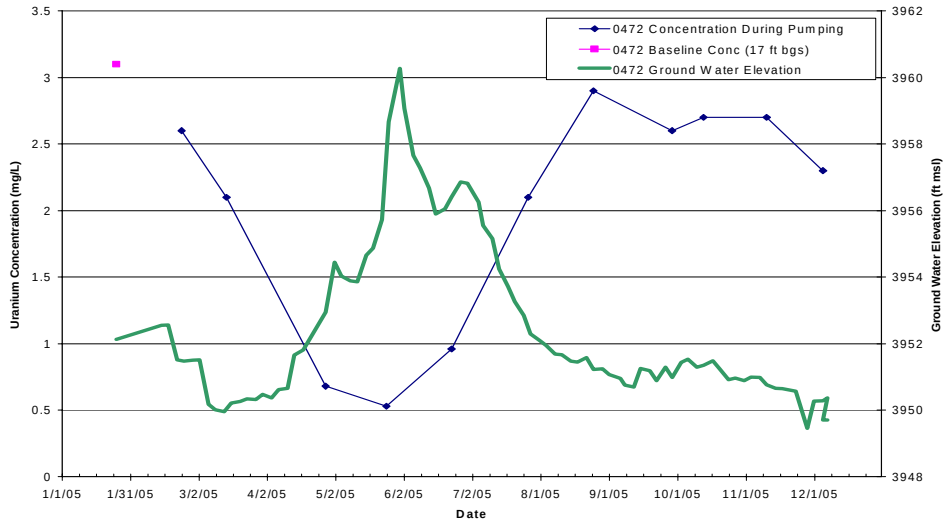

0471 Concentration During Pumping
0471 Baseline Conc (17 ft bgs)
Colorado River Flow
Total Dissloved Solids Concentration (mg/L)
River Flow (cfs)
Date

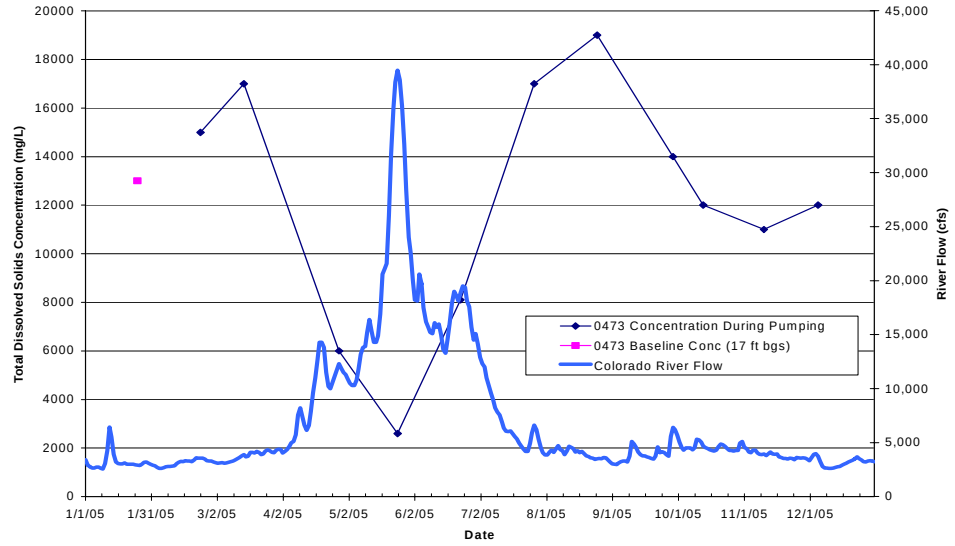

0471Concentration During Pumping
0471 Baseline Conc (17 ft bgs)
0471 Pumping Rate
Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date

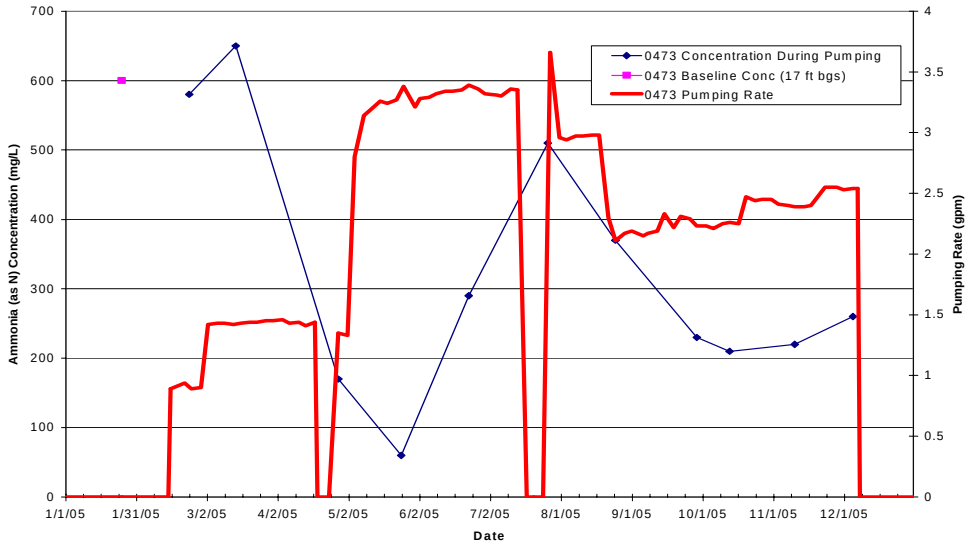

0471 Concentration During Pumping
0471 Baseline Conc (17 ft bgs)
0471 Ground Water Elevation
Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date

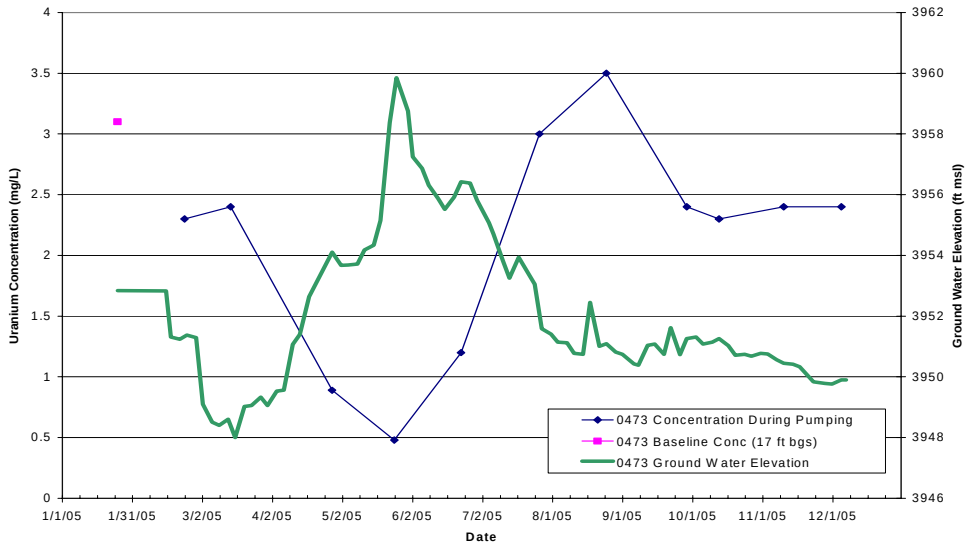

0472 Concentration During Pumping
0472 Baseline Conc (17 ft bgs)
Colorado River Flow
Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
25000
20000
15000
10000
5000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

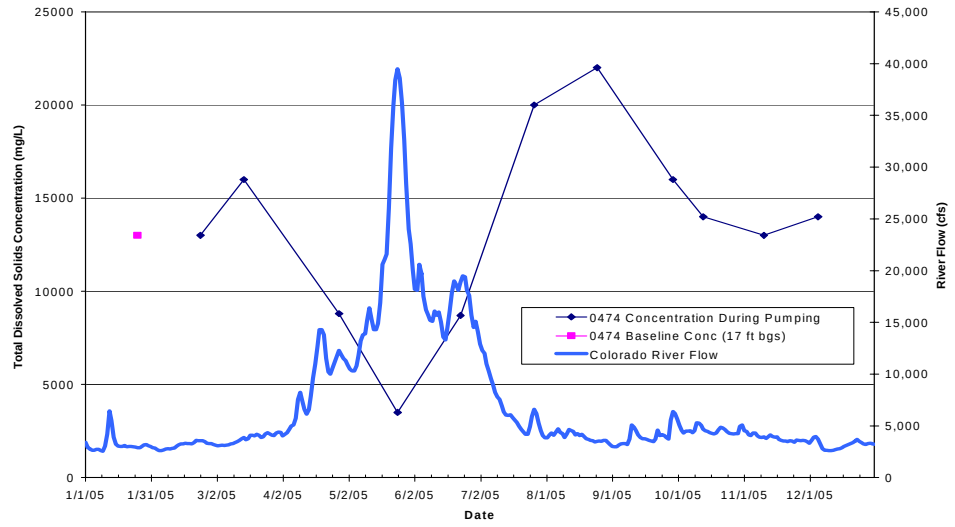

0472 Concentration During Pumping
0472 Baseline Conc (17 ft bgs)
0472 Pumping Rate
Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
900
800
700
600
500
400
300
200
100
0
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

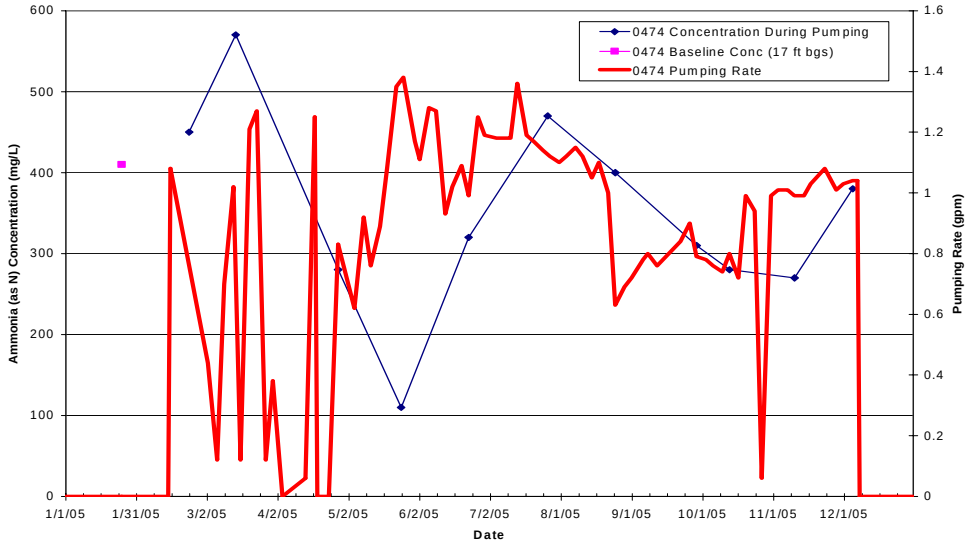

0472 Concentration During Pumping
0472 Baseline Conc (17 ft bgs)
0472 Ground Water Elevation
Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

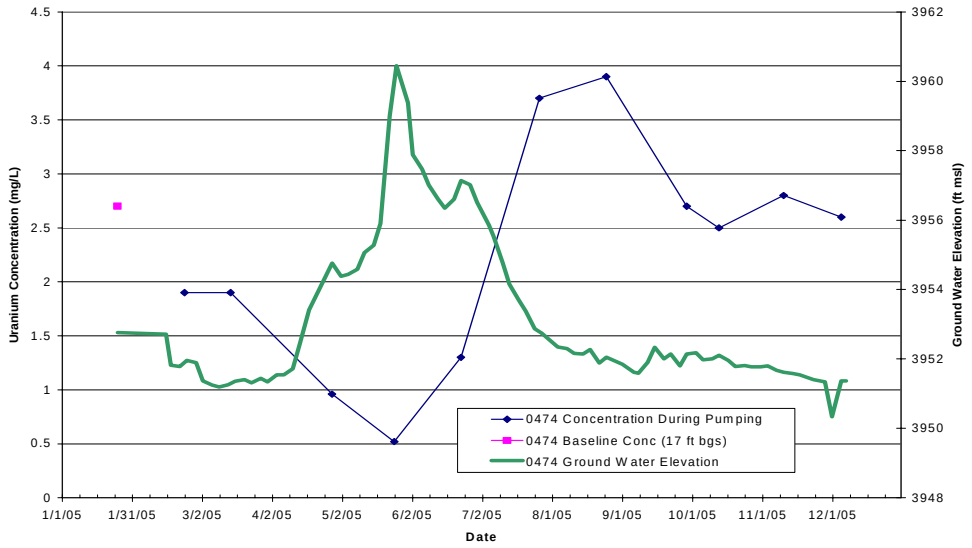

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0473 Concentration During Pumping
0473 Baseline Conc (17 ft bgs)
Colorado River Flow
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

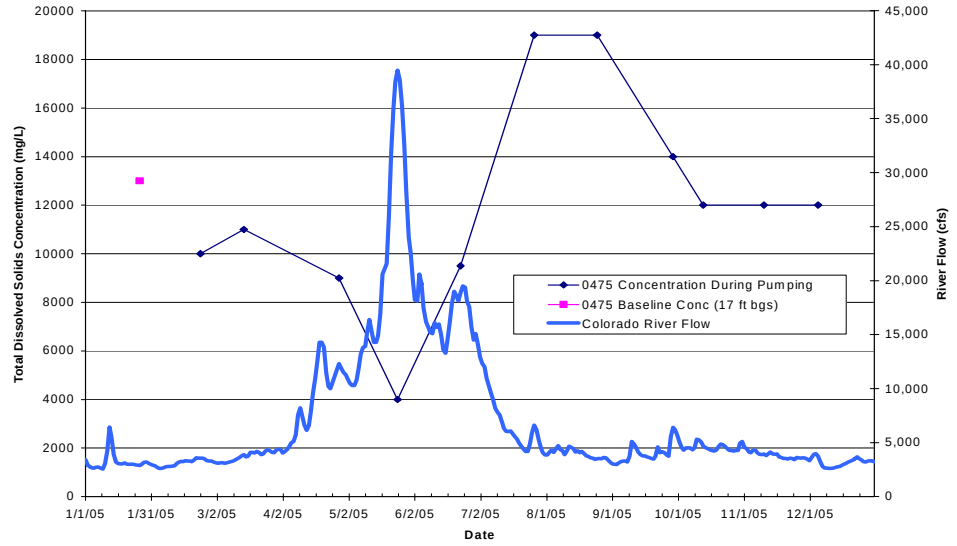

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0473 Concentration During Pumping
0473 Baseline Conc (17 ft bgs)
0473 Pumping Rate
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

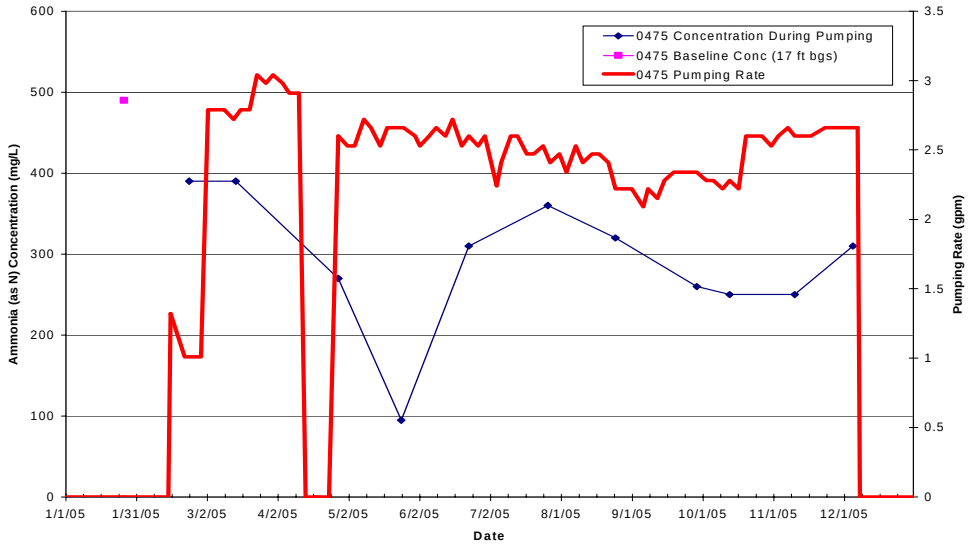

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0473 Concentration During Pumping
0473 Baseline Conc (17 ft bgs)
0473 Ground Water Elevation
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

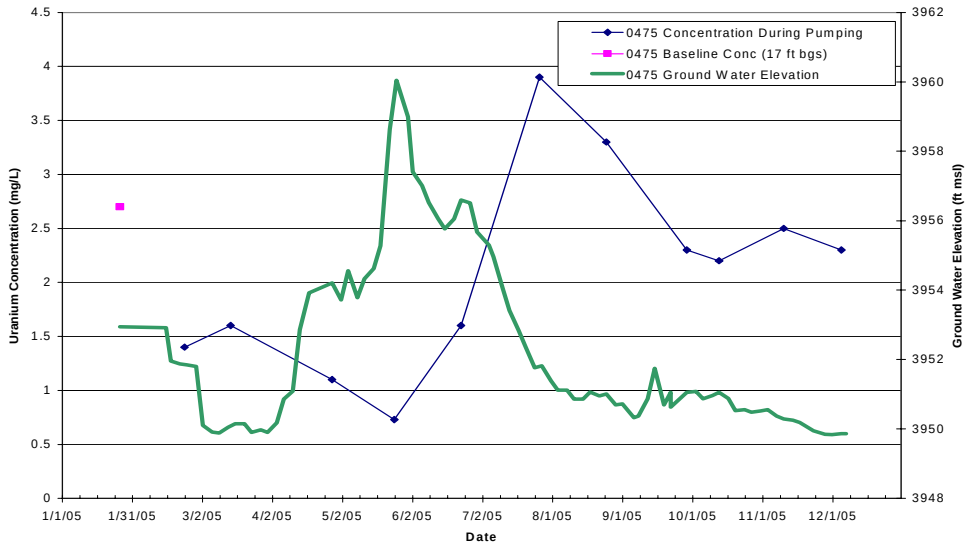

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0474 Concentration During Pumping
0474 Baseline Conc (17 ft bgs)
Colorado River Flow
25000
20000
15000
10000
5000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

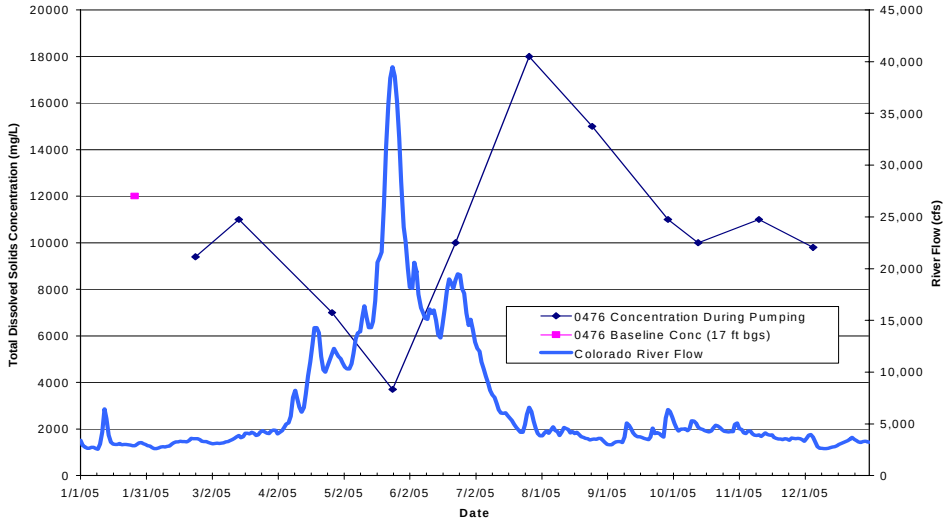

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0474 Concentration During Pumping
0474 Baseline Conc (17 ft bgs)
0474 Pumping Rate
600
500
400
300
200
100
0
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

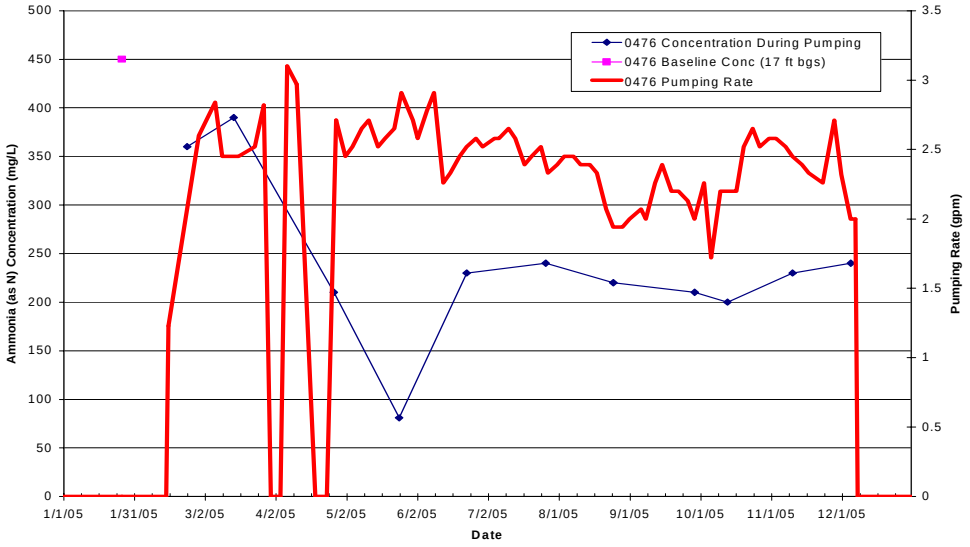

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0474 Concentration During Pumping
0474 Baseline Conc (17 ft bgs)
0474 Ground Water Elevation
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

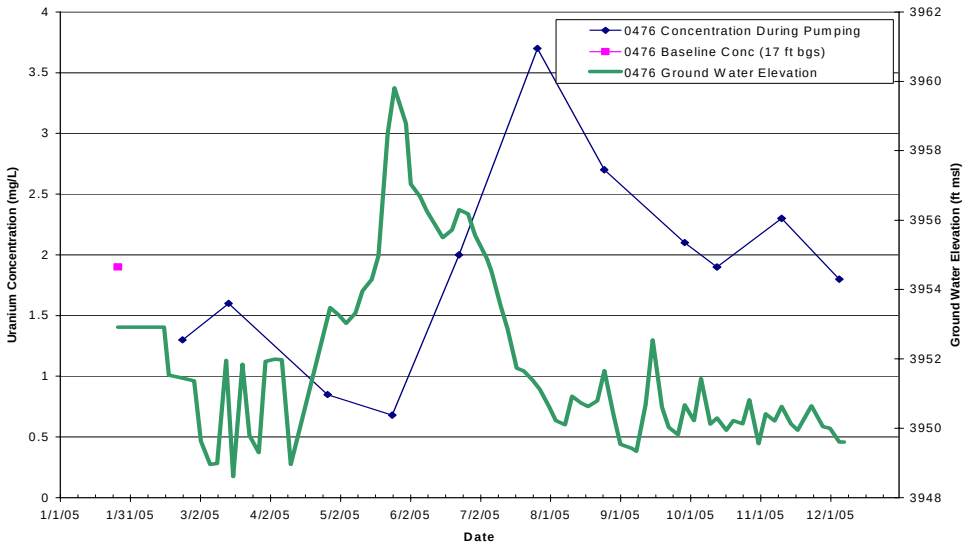

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0475 Concentration During Pumping
0475 Baseline Conc (17 ft bgs)
Colorado River Flow
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

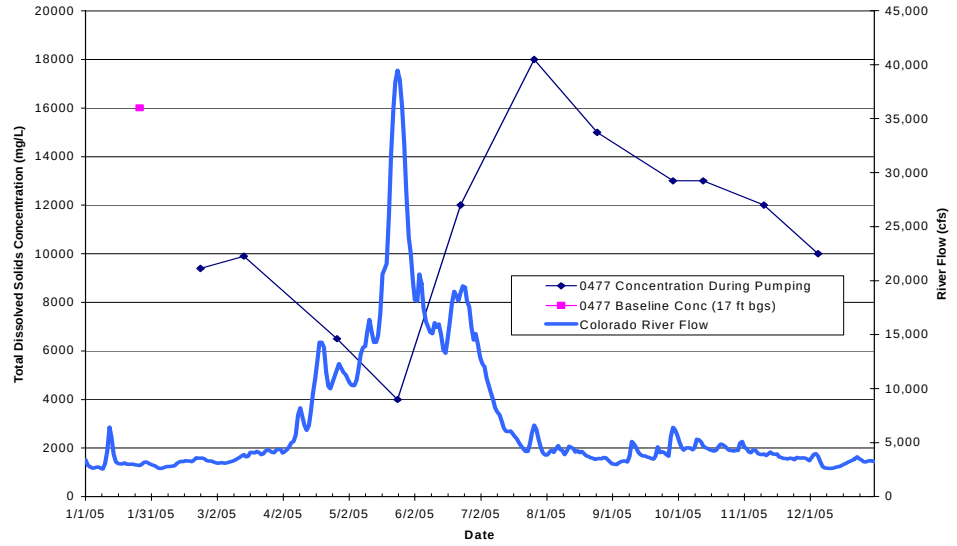

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0475 Concentration During Pumping
0475 Baseline Conc (17 ft bgs)
0475 Pumping Rate
600
500
400
300
200
100
0
3.5
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

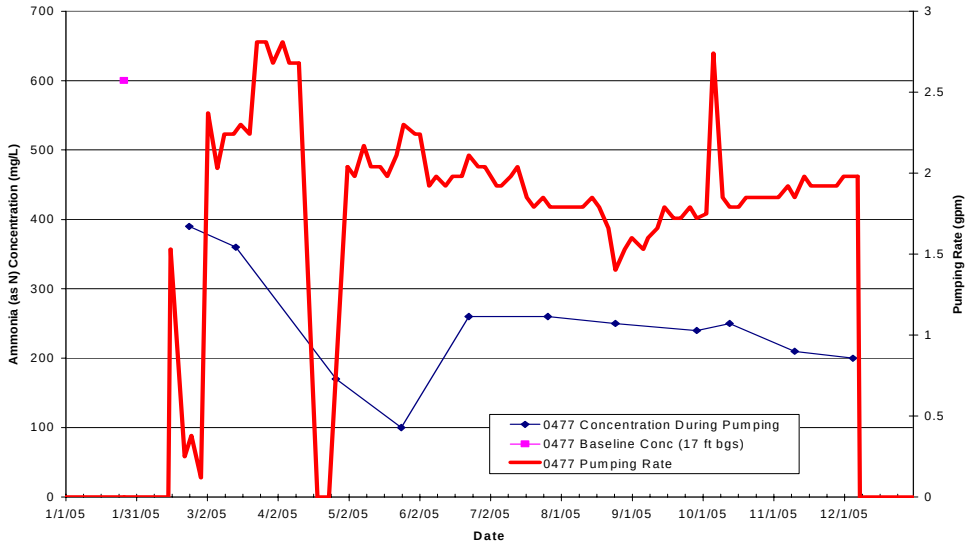

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0475 Concentration During Pumping
0475 Baseline Conc (17 ft bgs)
0475 Ground Water Elevation
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

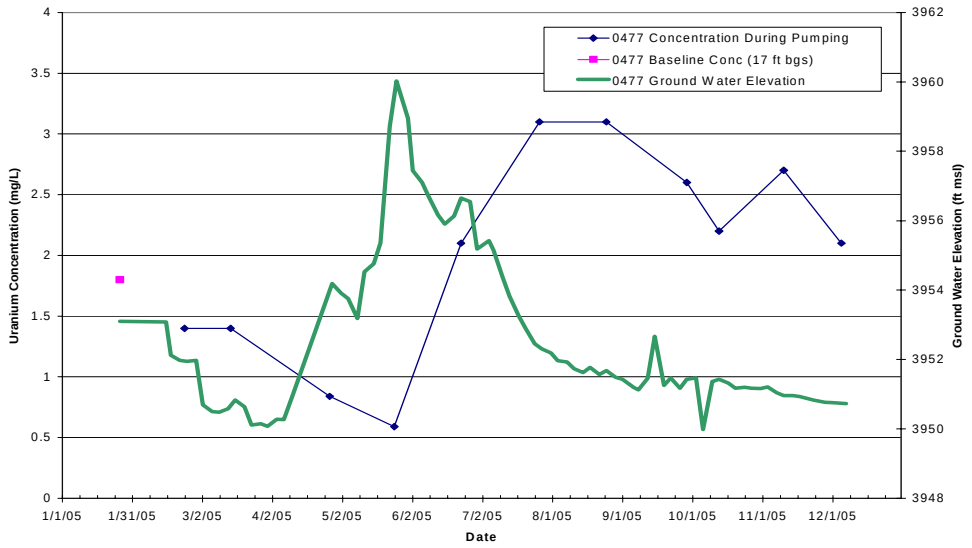

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0476 Concentration During Pumping
0476 Baseline Conc (17 ft bgs)
Colorado River Flow
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

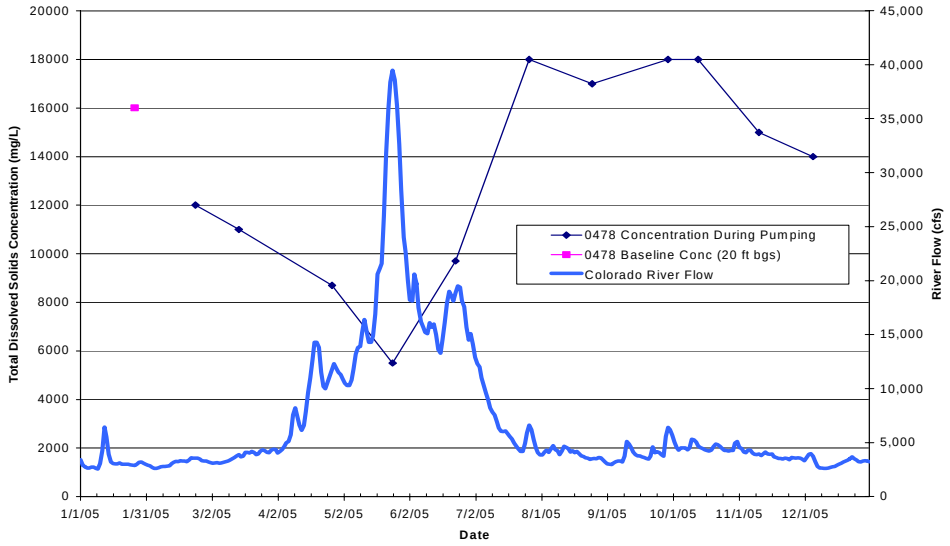

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0476 Concentration During Pumping
0476 Baseline Conc (17 ft bgs)
0476 Pumping Rate
500
450
400
350
300
250
200
150
100
50
0
3.5
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

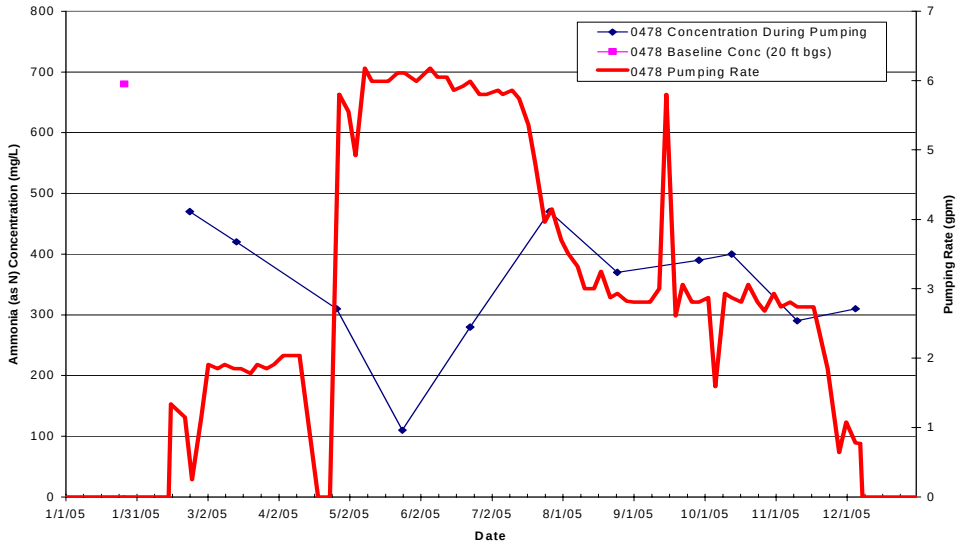

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0476 Concentration During Pumping
0476 Baseline Conc (17 ft bgs)
0476 Ground Water Elevation
4
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

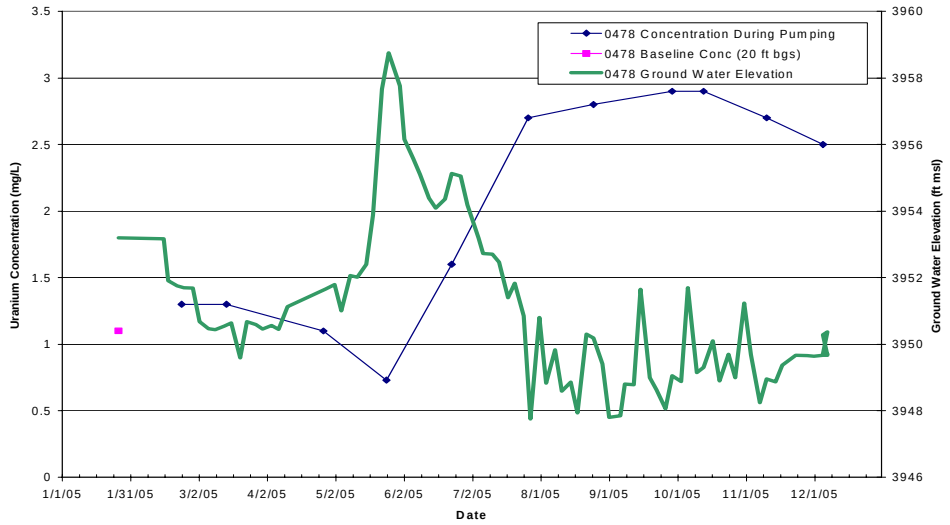

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0477 Concentration During Pumping
0477 Baseline Conc (17 ft bgs)
Colorado River Flow
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

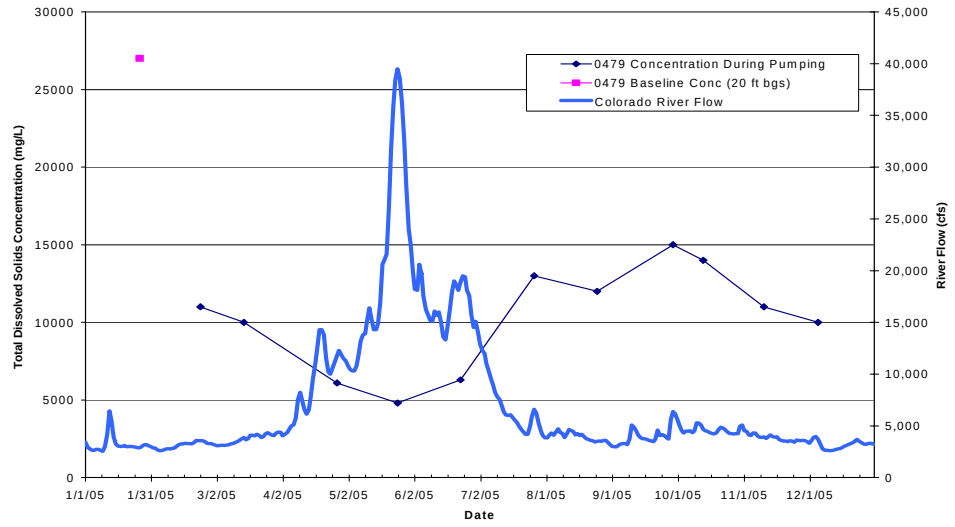

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0477 Concentration During Pumping
0477 Baseline Conc (17 ft bgs)
0477 Pumping Rate
700
600
500
400
300
200
100
0
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

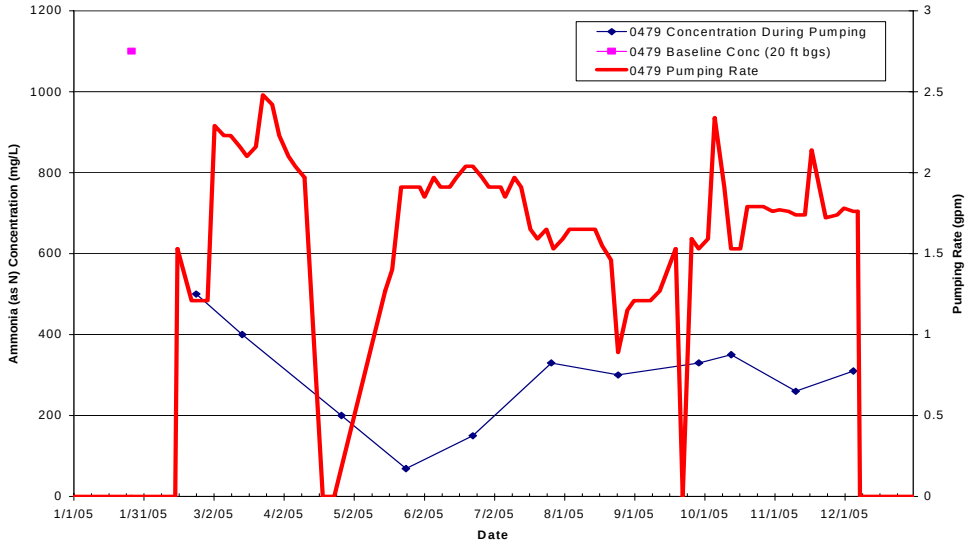

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0477 Concentration During Pumping
0477 Baseline Conc (17 ft bgs)
0477 Ground Water Elevation
4
3.5
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

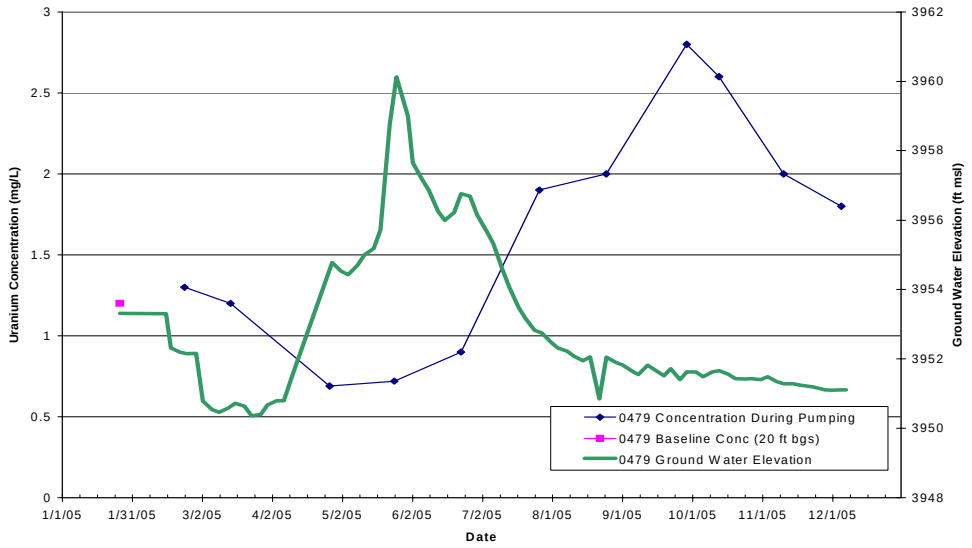

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0478 Concentration During Pumping
0478 Baseline Conc (20 ft bgs)
Colorado River Flow
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0478 Concentration During Pumping
0478 Baseline Conc (20 ft bgs)
0478 Pumping Rate
800
700
600
500
400
300
200
100
0
7
6
5
4
3
2
1
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0478 Concentration During Pumping
0478 Baseline Conc (20 ft bgs)
0478 Ground Water Elevation
3.5
3
2.5
2
1.5
1
0.5
0
3960
3958
3956
3954
3952
3950
3948
3946
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05


0479 Concentration During Pumping
0479 Baseline Conc (20 ft bgs)
Colorado River Flow
Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
30000
25000
20000
15000
10000
5000
0
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

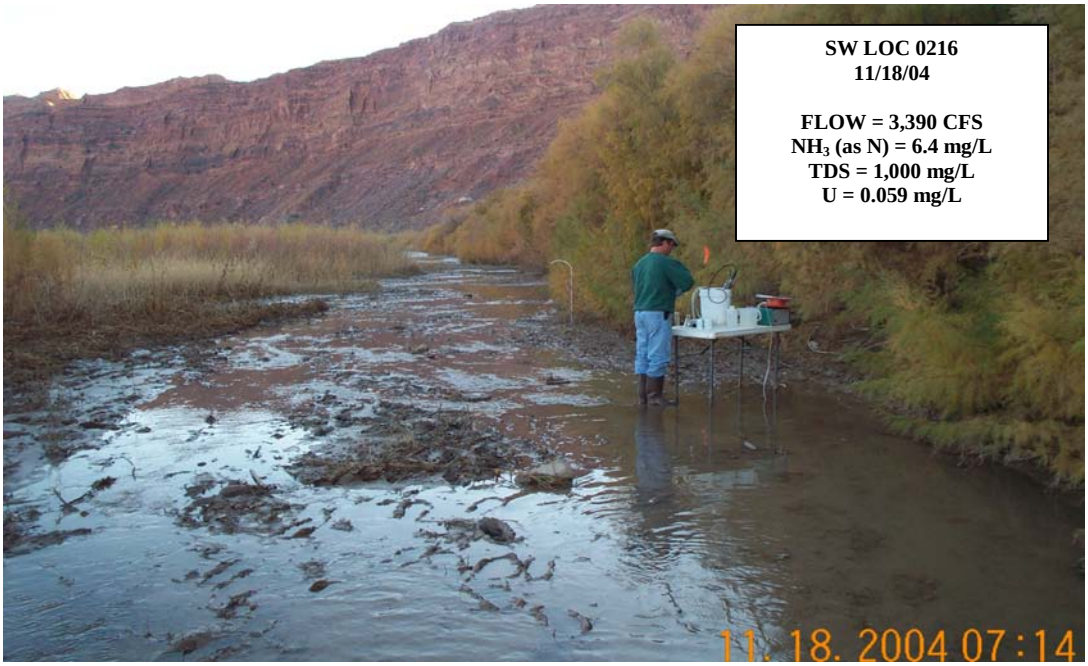

0479 Concentration During Pumping
0479 Baseline Conc (20 ft bgs)
0479 Pumping Rate
Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
1200
1000
800
600
400
200
0
3
2.5
2
1.5
1
0.5
0
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

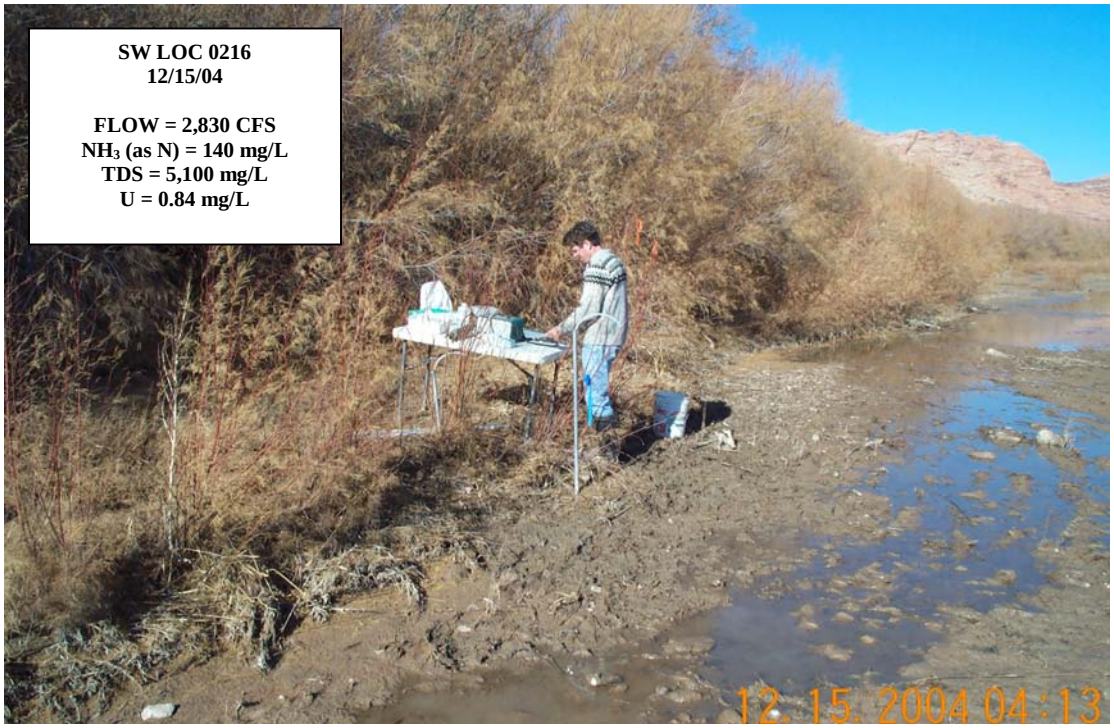

0479 Concentration During Pumping
0479 Baseline Conc (20 ft bgs)
0479 Ground Water Elevation
Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
3
2.5
2
1.5
1
0.5
0
3962
3960
3958
3956
3954
3952
3950
3948
1/1/05
1/31/05
3/2/05
4/2/05
5/2/05
6/2/05
7/2/05
8/1/05
9/1/05
10/1/05
11/1/05
12/1/05

# Appendix H−2

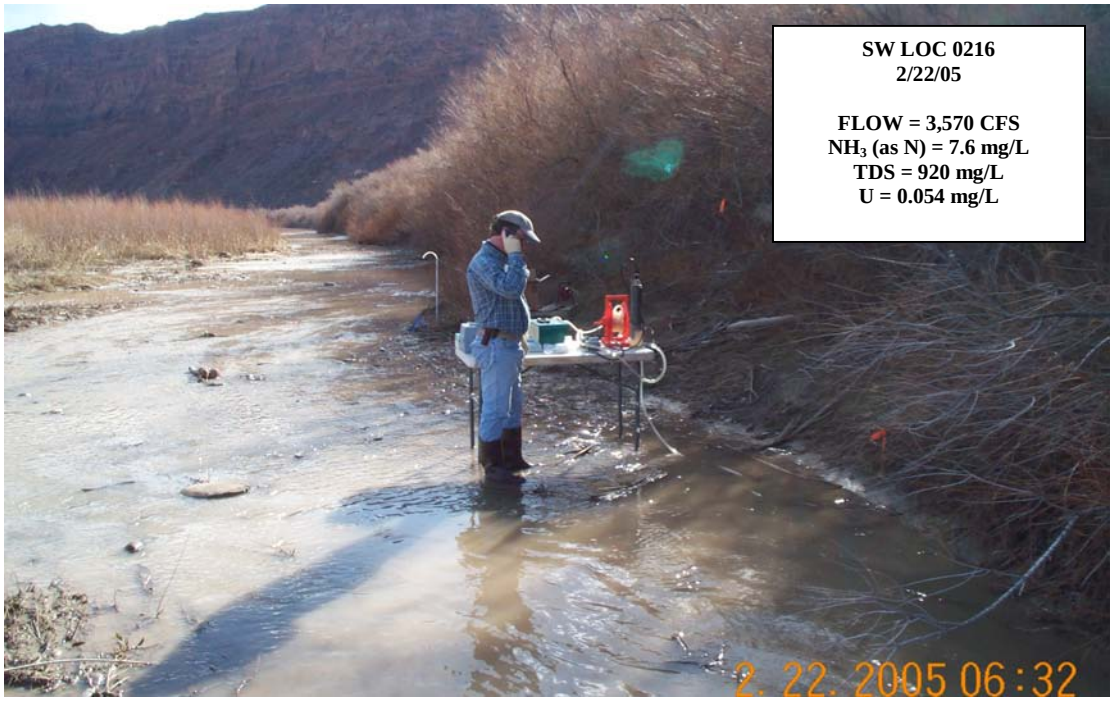
# Surface Water Location 216 Photos


SW LOC 0216
10/14/04
FLOW = 3,340 CFS
NH3 (as N) = 0.14 mg/L
TDS = 830 mg/L
U = 0.019 mg/L
10. 14. 2004 02 : 58


SW LOC 0216
11/18/04
FLOW = 3,390 CFS
NH3 (as N) = 6.4 mg/L
TDS = 1,000 mg/L
U = 0.059 mg/L
11. 18. 2004 07 : 14


SW LOC 0216
12/15/04
FLOW = 2,830 CFS
NH3 (as N) = 140 mg/L
TDS = 5,100 mg/L
U = 0.84 mg/L
12. 15. 2004 04 : 13


SW LOC 0216
1/26/05
FLOW = 2,890 CFS
NH3 (as N) = 57 mg/L
TDS = 3,800 mg/L
U = 0.5 mg/L
1. 26. 2005 08 : 08


SW LOC 0216
2/22/05
FLOW = 3,570 CFS
NH3 (as N) = 7.6 mg/L
TDS = 920 mg/L
U = 0.054 mg/L
2. 22. 2005 06:32


SW LOC 0216
3/14/05
FLOW = 3,760 CFS
NH3 (as N) = 0.54 mg/L
TDS = 630 mg/L
U = 0.012 mg/L
3. 14. 2005 05:20


SW LOC 0216
7/27/05
FLOW = 6,600 CFS
NH3 (as N) = 0.1 mg/L
TDS = 600 mg/L
U = 0.005 mg/L
7. 27. 2005 17:36


SW LOC 0216
8/24/05
FLOW = 3,440 CFS
NH3 (as N) = 0.1 mg/L
TDS = 750 mg/L
U = 0.011 mg/L
8. 24. 2005 17:05


SW LOC 0216
9/27/05
FLOW = 3,340 CFS
NH3 (as N) = 0.1 mg/L
TDS = 810 mg/L
U = 0.009 mg/L
9. 27. 2005 17 : 23

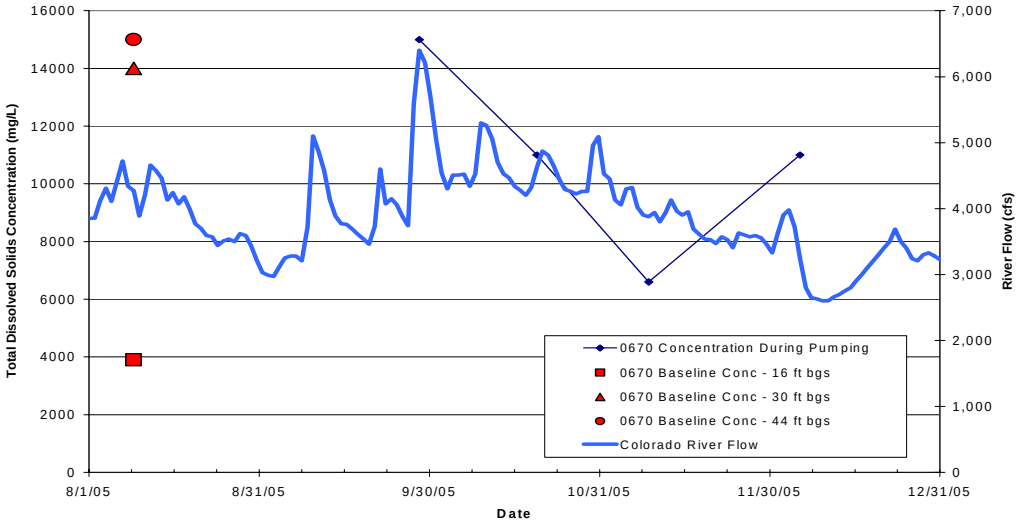

SW LOC 0216
10/12/05
FLOW = 5,060 CFS
NH3 (as N) = 0.1 mg/L
TDS = 810 mg/L
U = 0.008 mg/L
10. 12. 2005 11 : 59

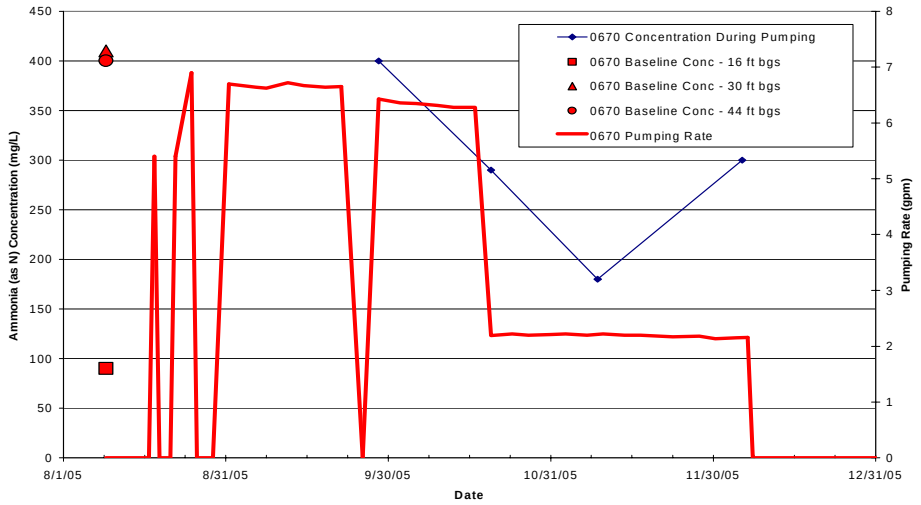

**SW LOC 0260**
**(~ 30 ft upstream of 216)**
**11/02/05**

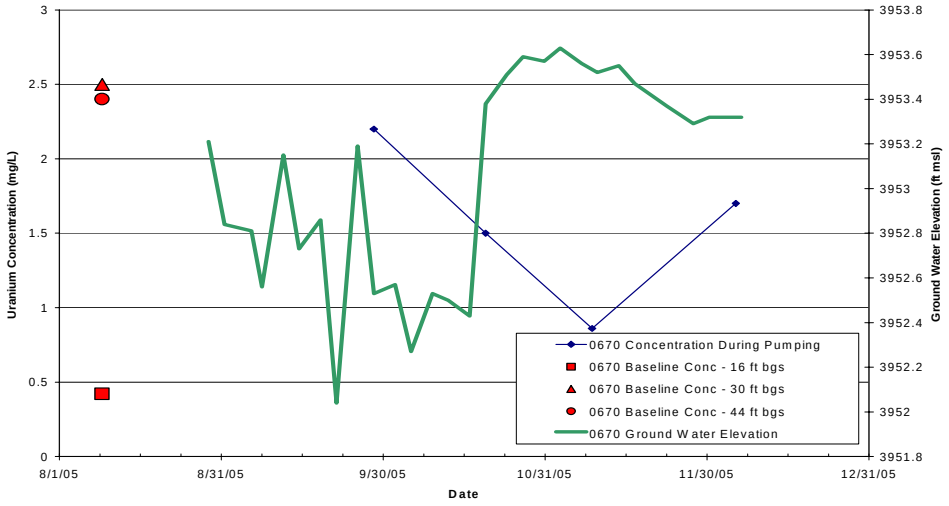
**FLOW = 4,450 CFS**
**$NH_3$ (as N) = 0.1 mg/L**
**TDS = 740 mg/L**
**U = 0.0075 mg/L**

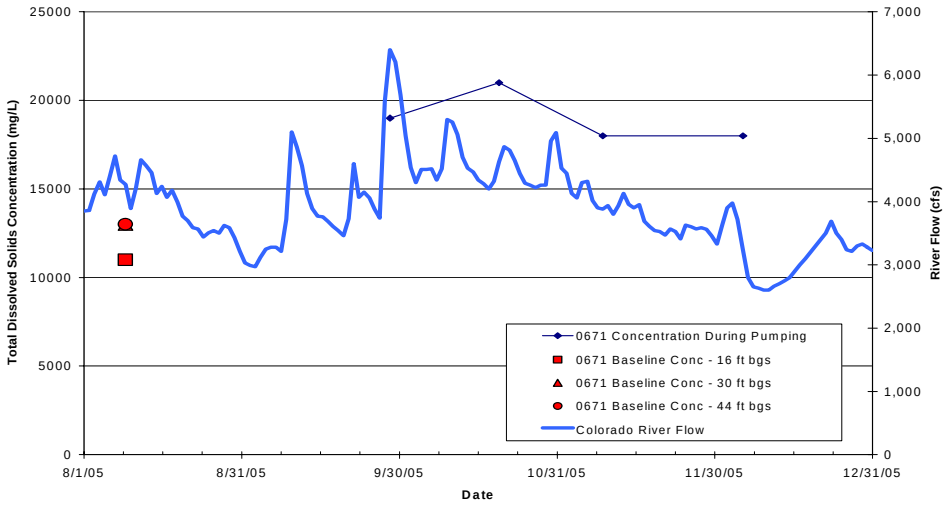
# Appendix H−3

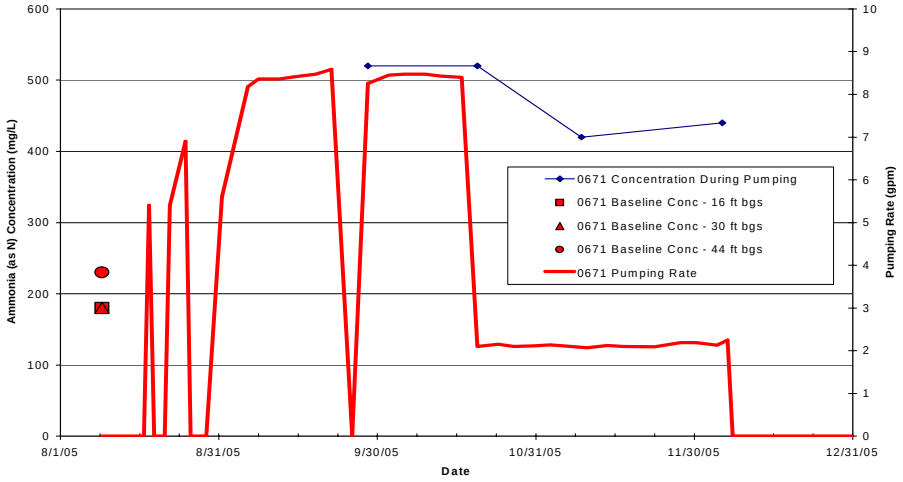
# Configuration 3 Remediation Well
# Analyte Concentration Plots

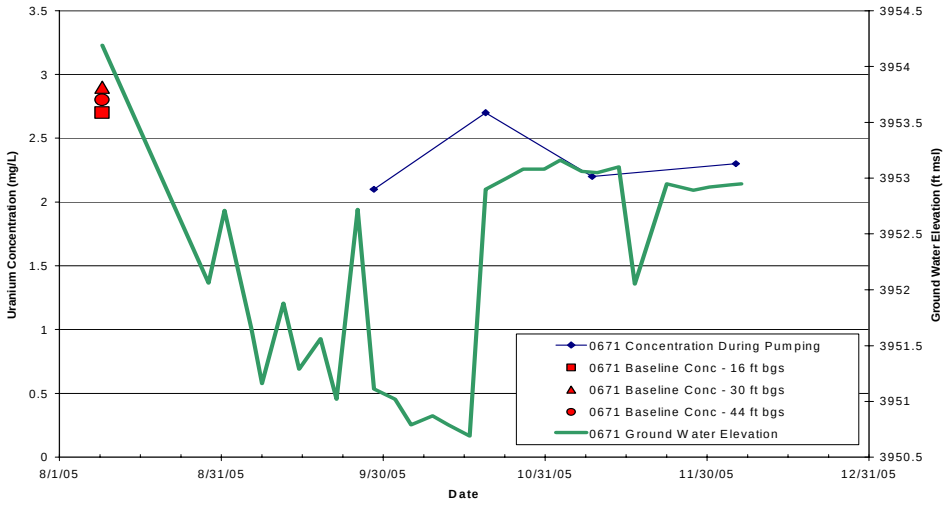

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0670 Concentration During Pumping
0670 Baseline Conc - 16 ft bgs
0670 Baseline Conc - 30 ft bgs
0670 Baseline Conc - 44 ft bgs
Colorado River Flow

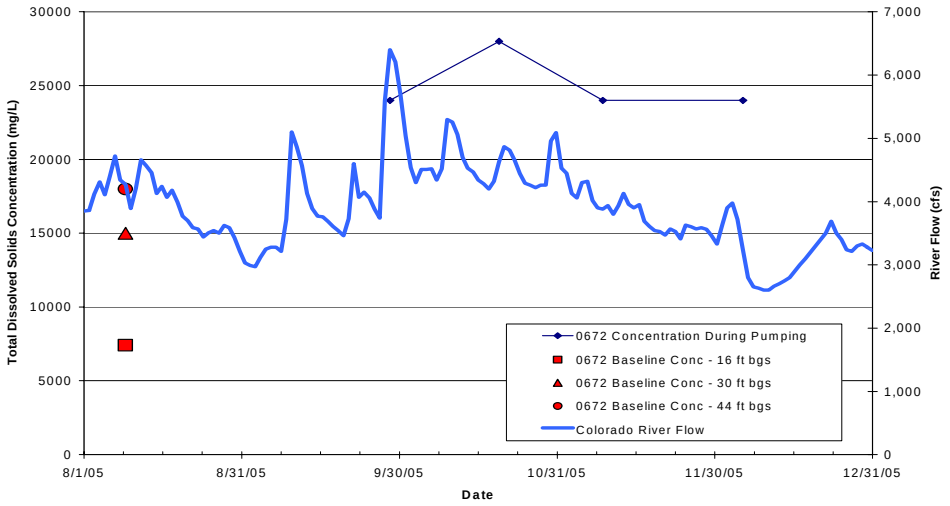

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0670 Concentration During Pumping
0670 Baseline Conc - 16 ft bgs
0670 Baseline Conc - 30 ft bgs
0670 Baseline Conc - 44 ft bgs
0670 Pumping Rate

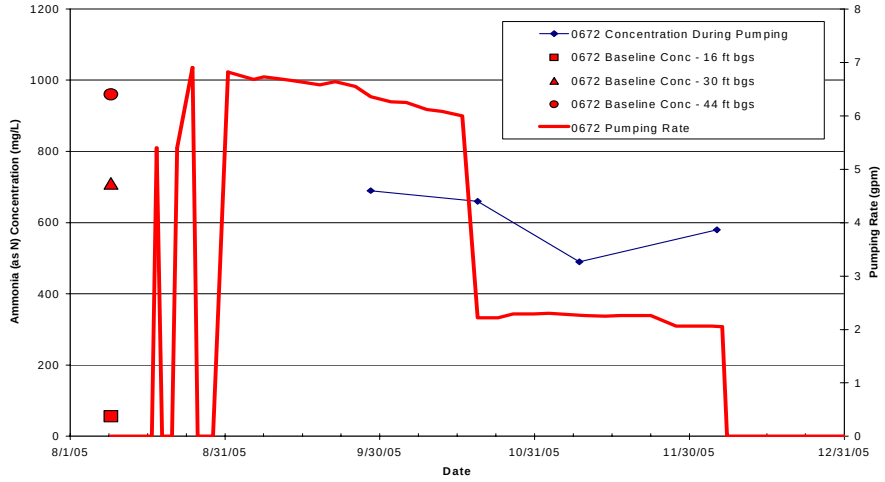

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0670 Concentration During Pumping
0670 Baseline Conc - 16 ft bgs
0670 Baseline Conc - 30 ft bgs
0670 Baseline Conc - 44 ft bgs
0670 Ground Water Elevation

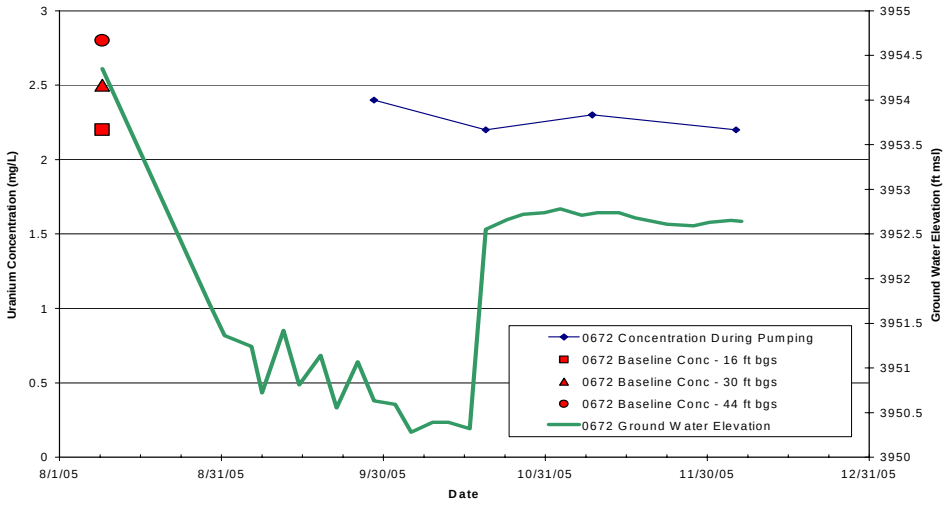

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0671 Concentration During Pumping
0671 Baseline Conc - 16 ft bgs
0671 Baseline Conc - 30 ft bgs
0671 Baseline Conc - 44 ft bgs
Colorado River Flow

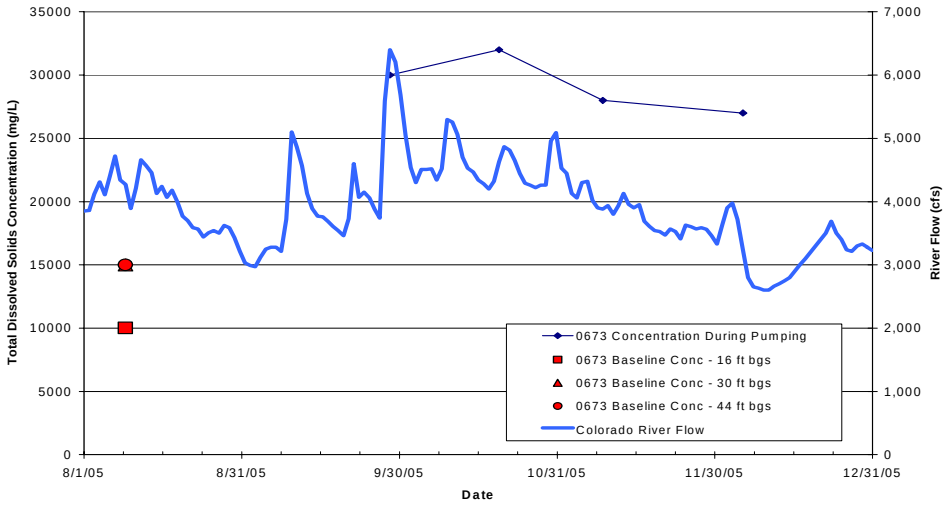

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0671 Concentration During Pumping
0671 Baseline Conc - 16 ft bgs
0671 Baseline Conc - 30 ft bgs
0671 Baseline Conc - 44 ft bgs
0671 Pumping Rate

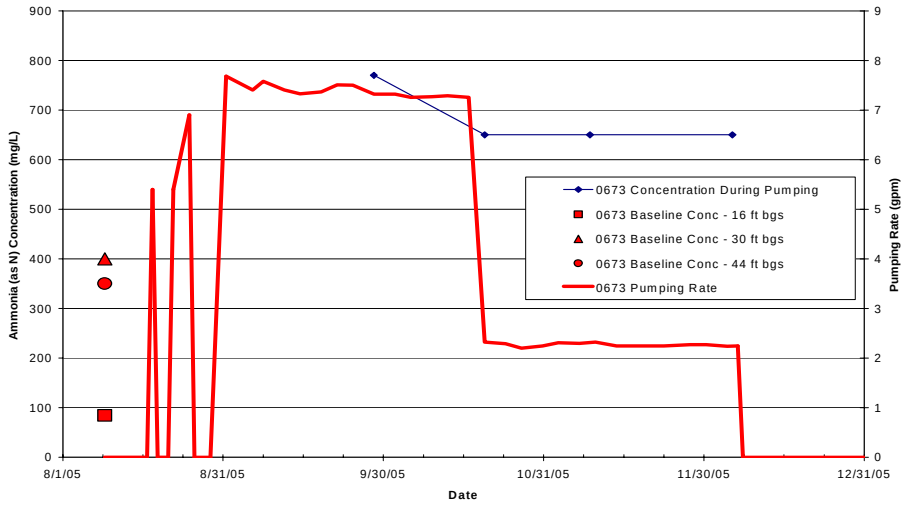

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0671 Concentration During Pumping
0671 Baseline Conc - 16 ft bgs
0671 Baseline Conc - 30 ft bgs
0671 Baseline Conc - 44 ft bgs
0671 Ground Water Elevation

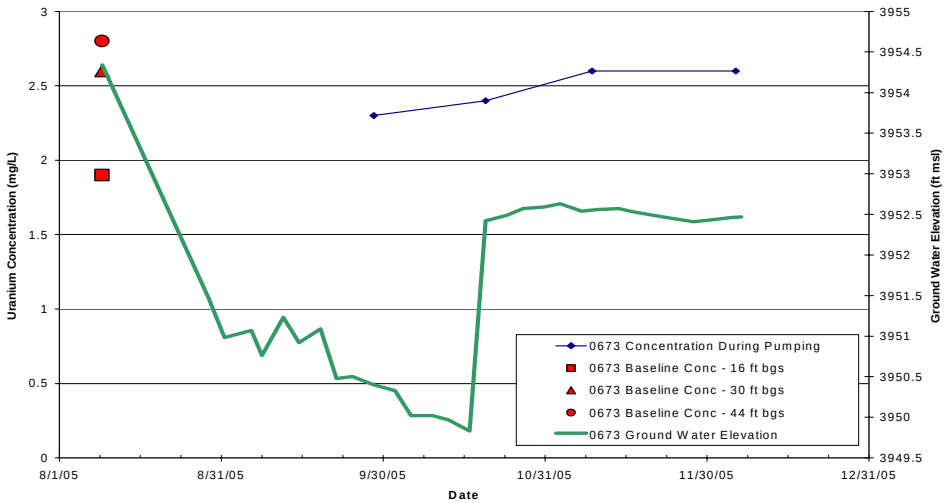

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0672 Concentration During Pumping
0672 Baseline Conc - 16 ft bgs
0672 Baseline Conc - 30 ft bgs
0672 Baseline Conc - 44 ft bgs
Colorado River Flow

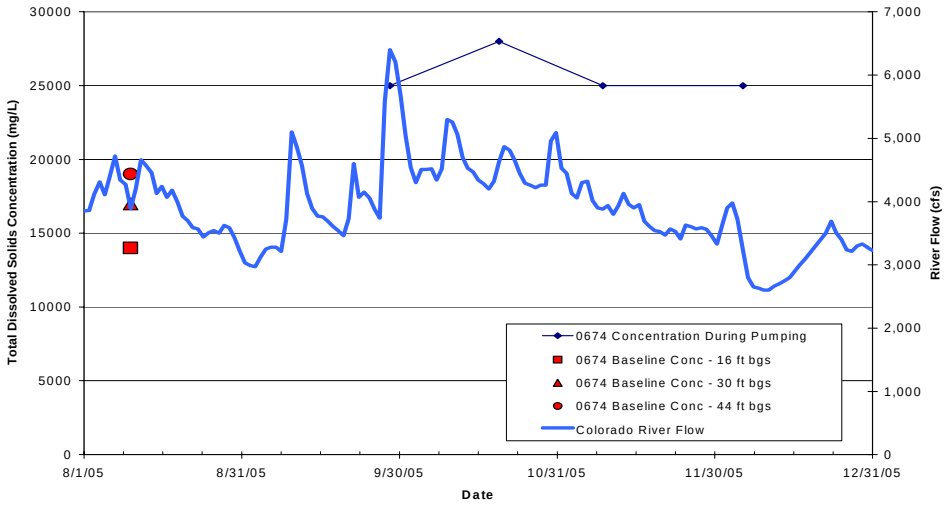

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0672 Concentration During Pumping
0672 Baseline Conc - 16 ft bgs
0672 Baseline Conc - 30 ft bgs
0672 Baseline Conc - 44 ft bgs
0672 Pumping Rate

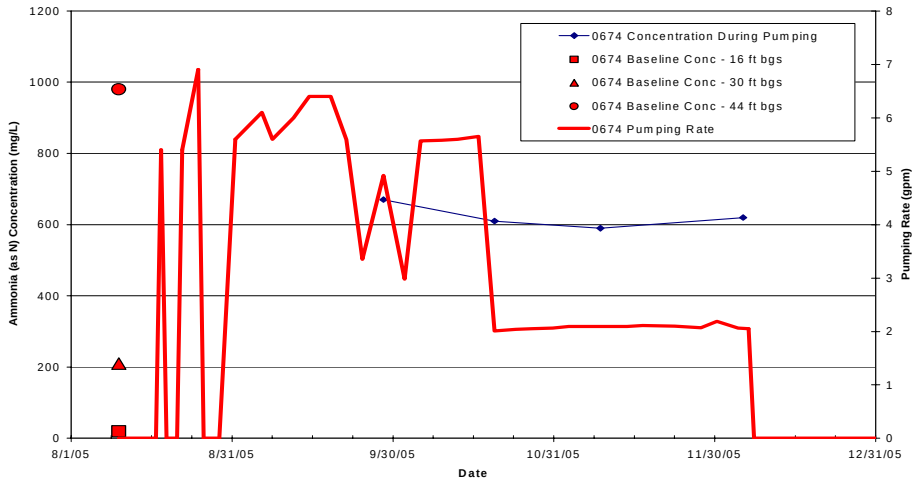

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0672 Concentration During Pumping
0672 Baseline Conc - 16 ft bgs
0672 Baseline Conc - 30 ft bgs
0672 Baseline Conc - 44 ft bgs
0672 Ground Water Elevation

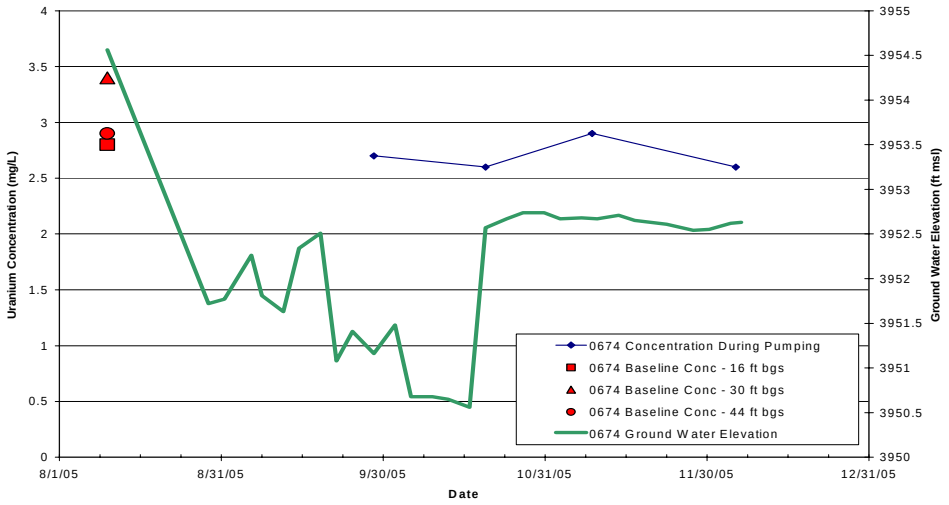

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0673 Concentration During Pumping
0673 Baseline Conc - 16 ft bgs
0673 Baseline Conc - 30 ft bgs
0673 Baseline Conc - 44 ft bgs
Colorado River Flow

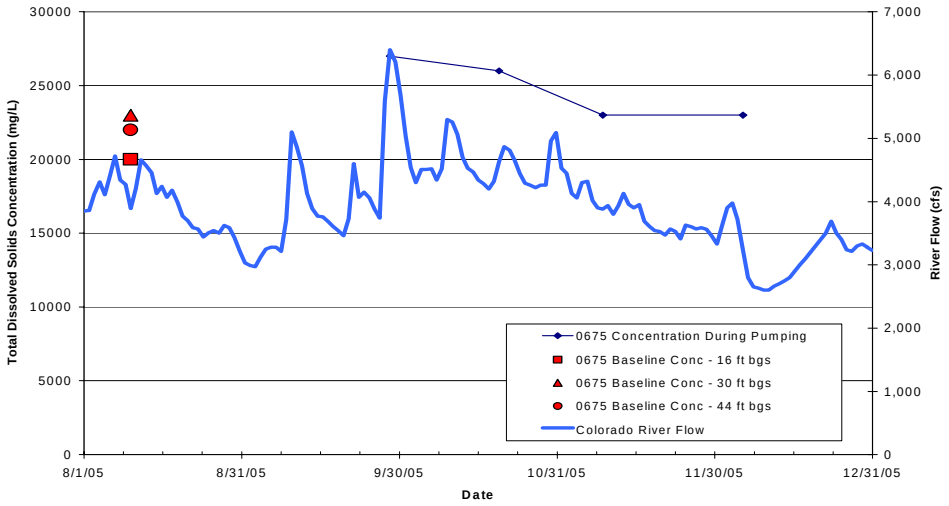

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0673 Concentration During Pumping
0673 Baseline Conc - 16 ft bgs
0673 Baseline Conc - 30 ft bgs
0673 Baseline Conc - 44 ft bgs
0673 Pumping Rate

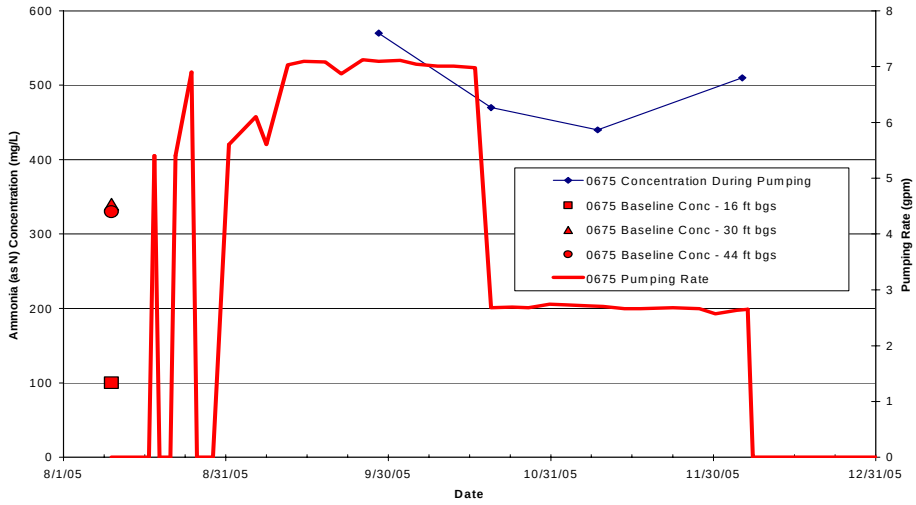

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0673 Concentration During Pumping
0673 Baseline Conc - 16 ft bgs
0673 Baseline Conc - 30 ft bgs
0673 Baseline Conc - 44 ft bgs
0673 Ground Water Elevation

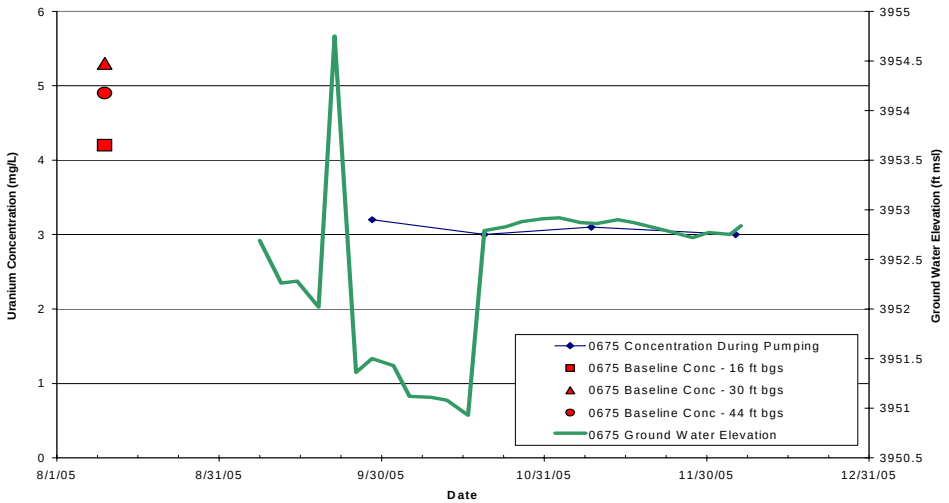

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0674 Concentration During Pumping
0674 Baseline Conc - 16 ft bgs
0674 Baseline Conc - 30 ft bgs
0674 Baseline Conc - 44 ft bgs
Colorado River Flow

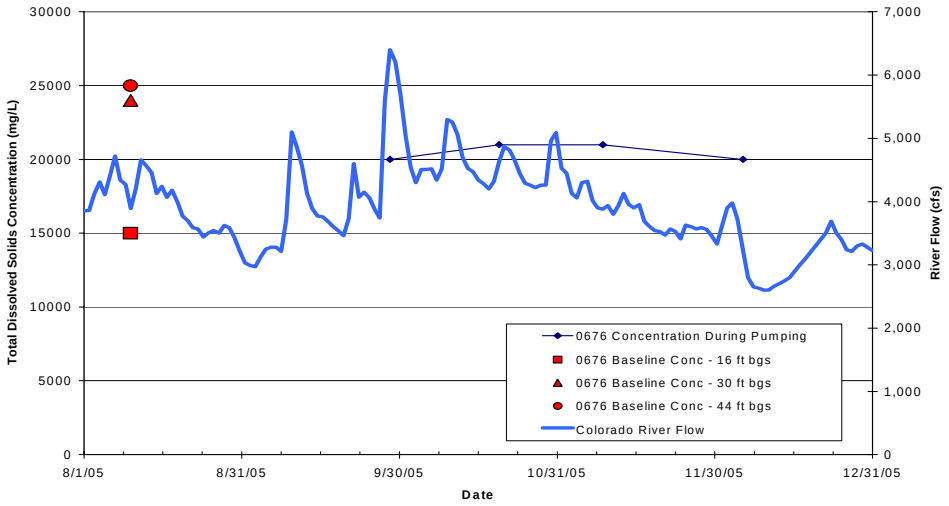

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0674 Concentration During Pumping
0674 Baseline Conc - 16 ft bgs
0674 Baseline Conc - 30 ft bgs
0674 Baseline Conc - 44 ft bgs
0674 Pumping Rate

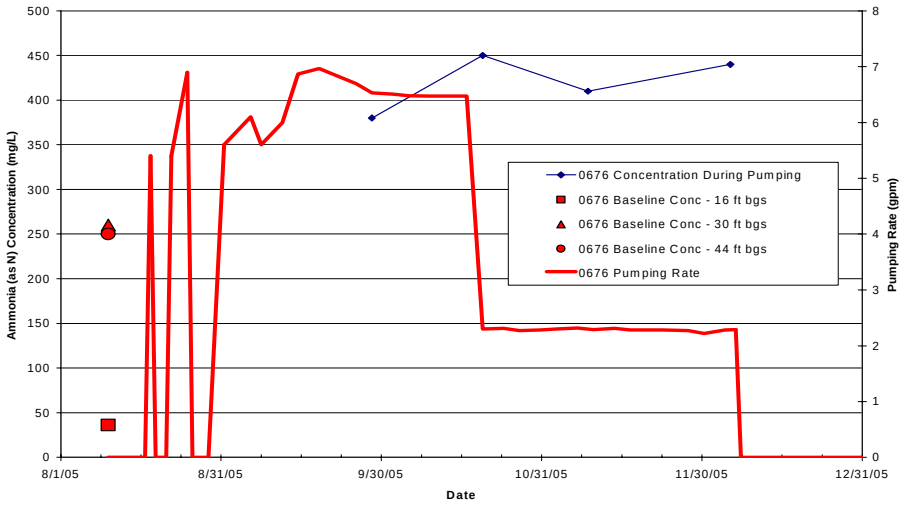

Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0674 Concentration During Pumping
0674 Baseline Conc - 16 ft bgs
0674 Baseline Conc - 30 ft bgs
0674 Baseline Conc - 44 ft bgs
0674 Ground Water Elevation

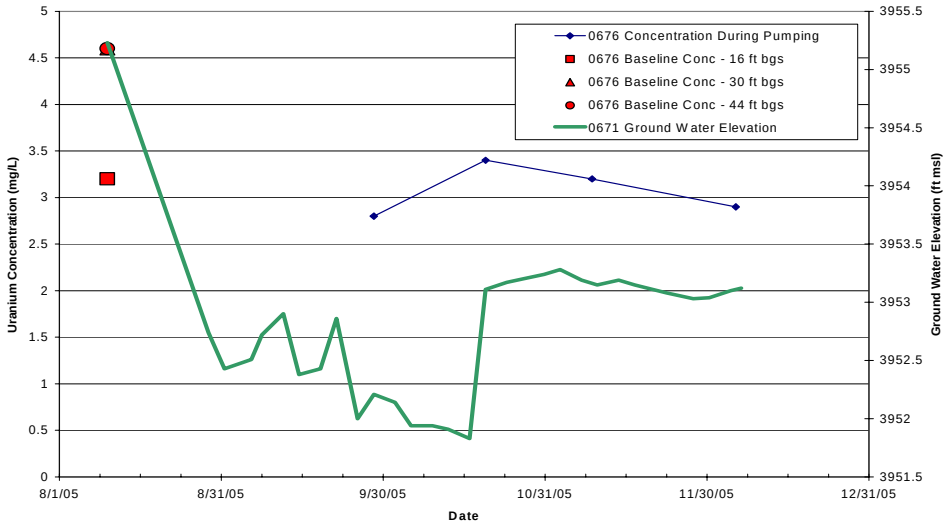

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0675 Concentration During Pumping
0675 Baseline Conc - 16 ft bgs
0675 Baseline Conc - 30 ft bgs
0675 Baseline Conc - 44 ft bgs
Colorado River Flow

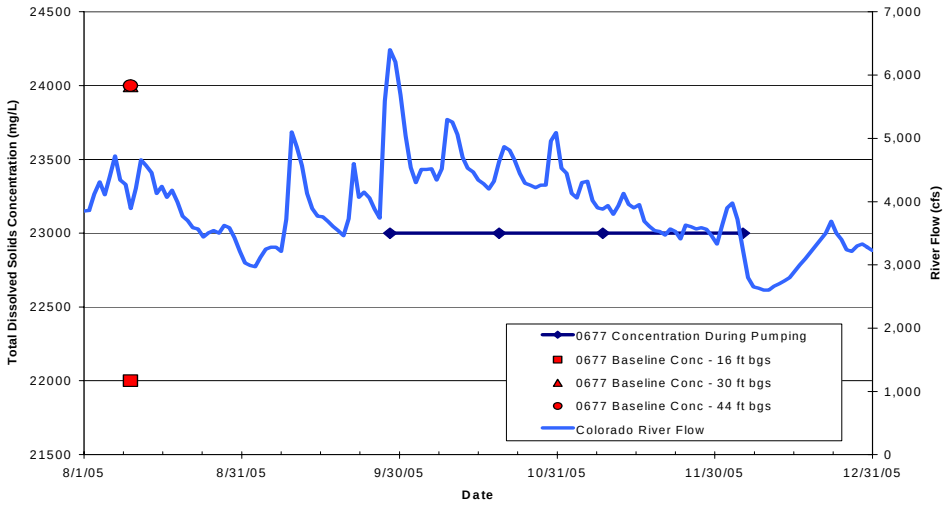

Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0675 Concentration During Pumping
0675 Baseline Conc - 16 ft bgs
0675 Baseline Conc - 30 ft bgs
0675 Baseline Conc - 44 ft bgs
0675 Pumping Rate


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0675 Concentration During Pumping
0675 Baseline Conc - 16 ft bgs
0675 Baseline Conc - 30 ft bgs
0675 Baseline Conc - 44 ft bgs
0675 Ground Water Elevation


Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0676 Concentration During Pumping
0676 Baseline Conc - 16 ft bgs
0676 Baseline Conc - 30 ft bgs
0676 Baseline Conc - 44 ft bgs
Colorado River Flow


Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0676 Concentration During Pumping
0676 Baseline Conc - 16 ft bgs
0676 Baseline Conc - 30 ft bgs
0676 Baseline Conc - 44 ft bgs
0676 Pumping Rate


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0676 Concentration During Pumping
0676 Baseline Conc - 16 ft bgs
0676 Baseline Conc - 30 ft bgs
0676 Baseline Conc - 44 ft bgs
0671 Ground Water Elevation


Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
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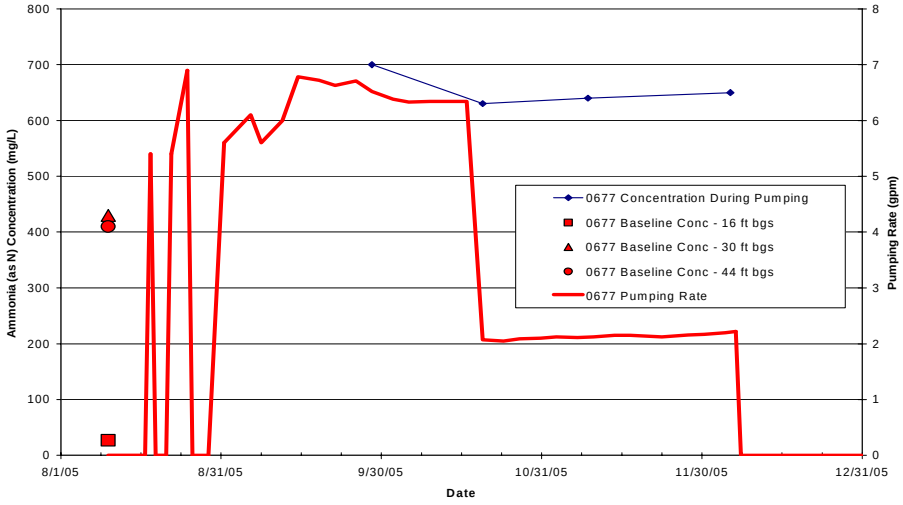
24000
23500
23000
22500
22000
21500
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
0677 Concentration During Pumping
0677 Baseline Conc - 16 ft bgs
0677 Baseline Conc - 30 ft bgs
0677 Baseline Conc - 44 ft bgs
Colorado River Flow


Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
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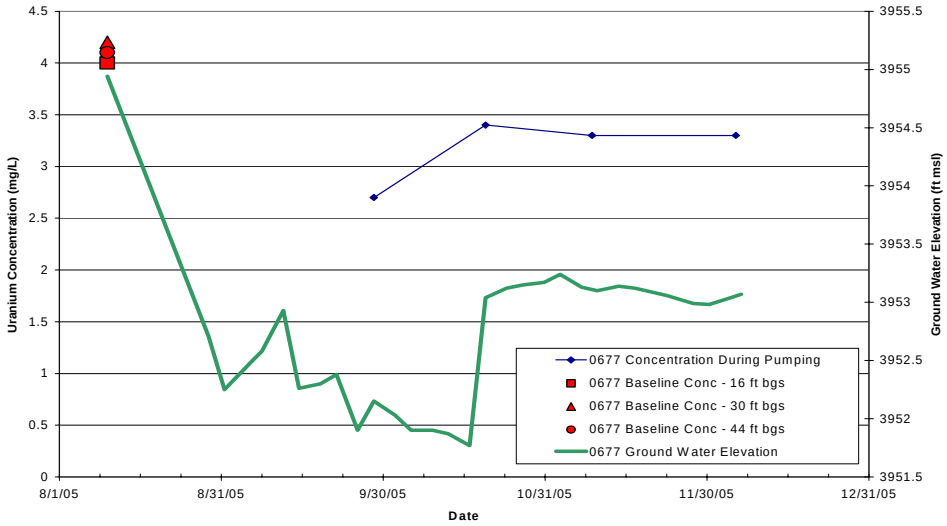
700
600
500
400
300
200
100
0
8
7
6
5
4
3
2
1
0
8/1/05
8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
0677 Concentration During Pumping
0677 Baseline Conc - 16 ft bgs
0677 Baseline Conc - 30 ft bgs
0677 Baseline Conc - 44 ft bgs
0677 Pumping Rate


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
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4
3.5
3
2.5
2
1.5
1
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0
3955.5
3955
3954.5
3954
3953.5
3953
3952.5
3952
3951.5
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8/31/05
9/30/05
10/31/05
11/30/05
12/31/05
0677 Concentration During Pumping
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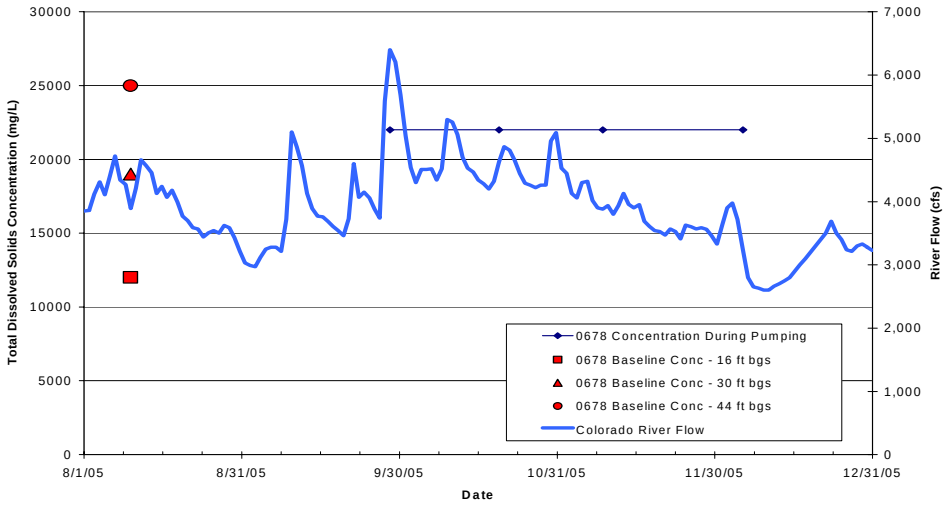
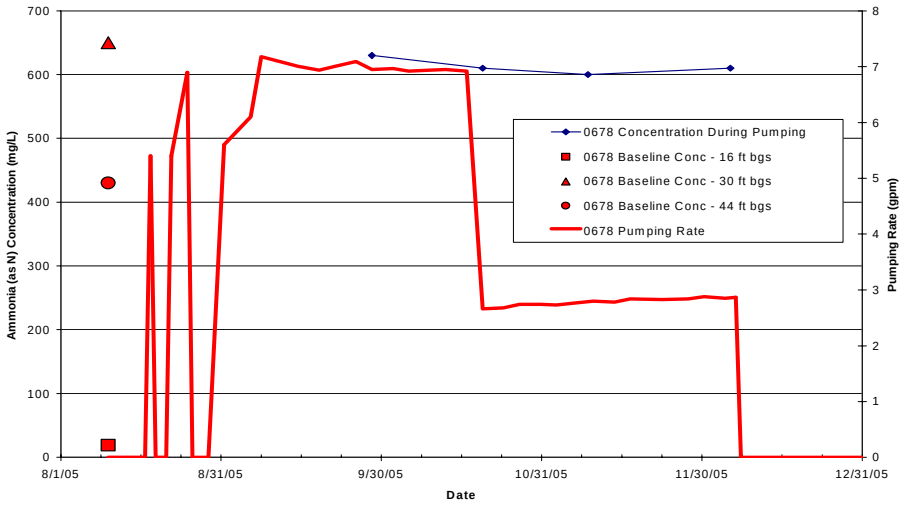
0677 Baseline Conc - 30 ft bgs
0677 Baseline Conc - 44 ft bgs
0677 Ground Water Elevation


Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0678 Concentration During Pumping
0678 Baseline Conc - 16 ft bgs
0678 Baseline Conc - 30 ft bgs
0678 Baseline Conc - 44 ft bgs
Colorado River Flow


Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
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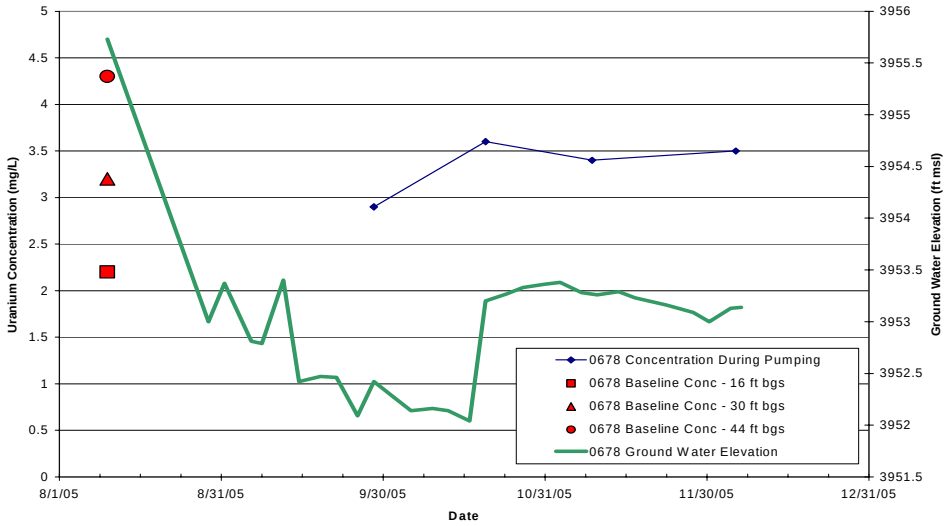
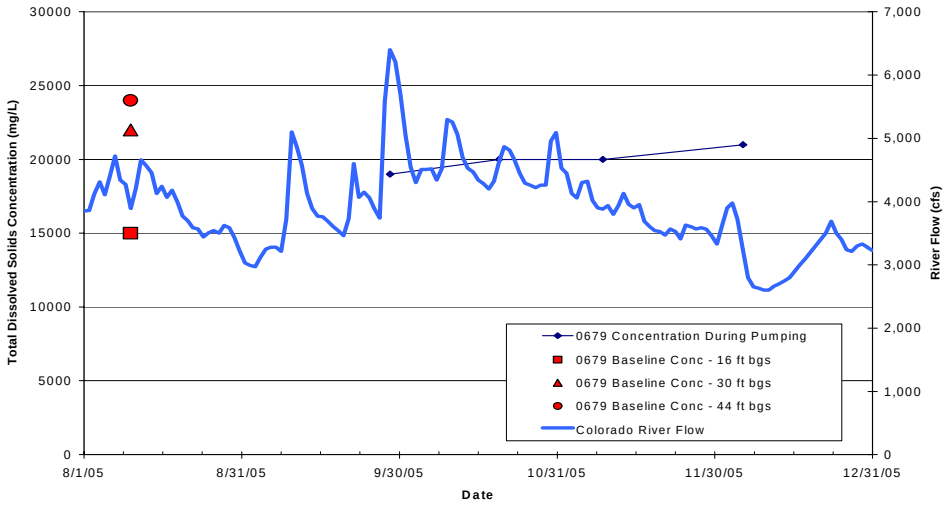
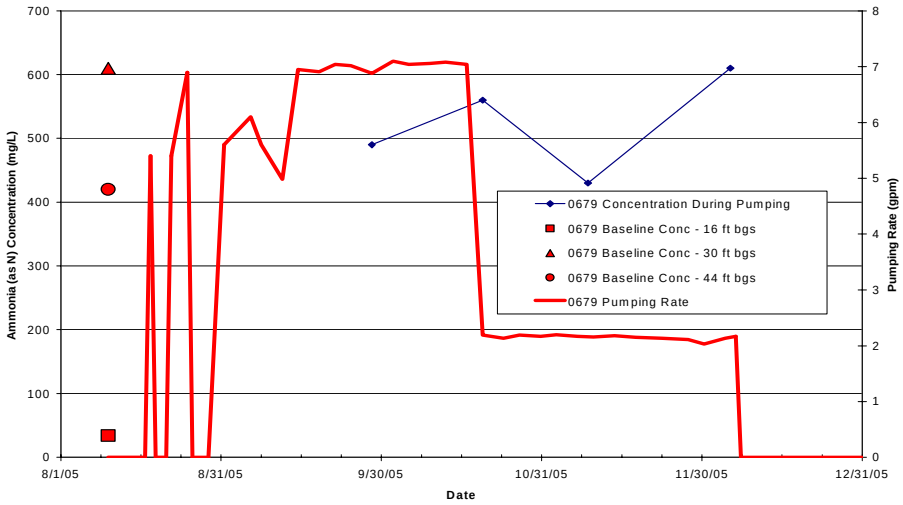
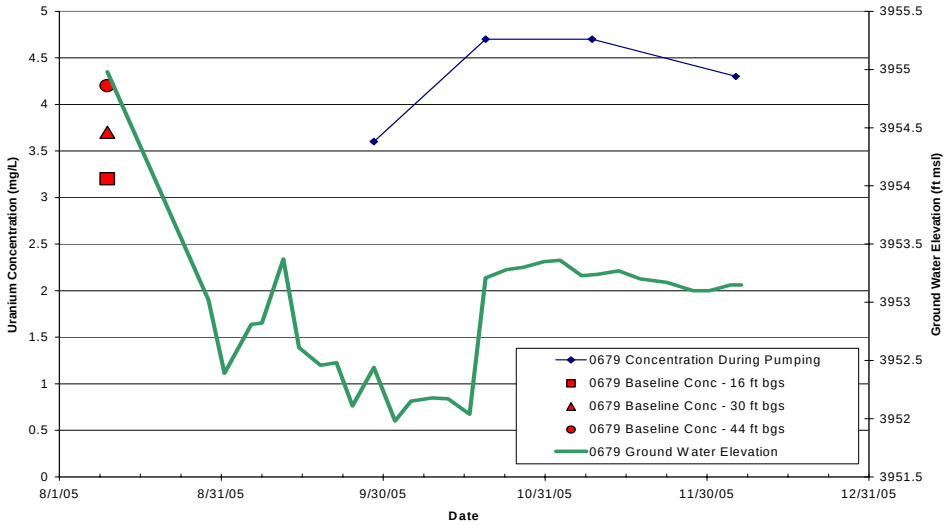
0678 Baseline Conc - 16 ft bgs
0678 Baseline Conc - 30 ft bgs
0678 Baseline Conc - 44 ft bgs
0678 Pumping Rate


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0678 Concentration During Pumping
0678 Baseline Conc - 16 ft bgs
0678 Baseline Conc - 30 ft bgs
0678 Baseline Conc - 44 ft bgs
0678 Ground Water Elevation

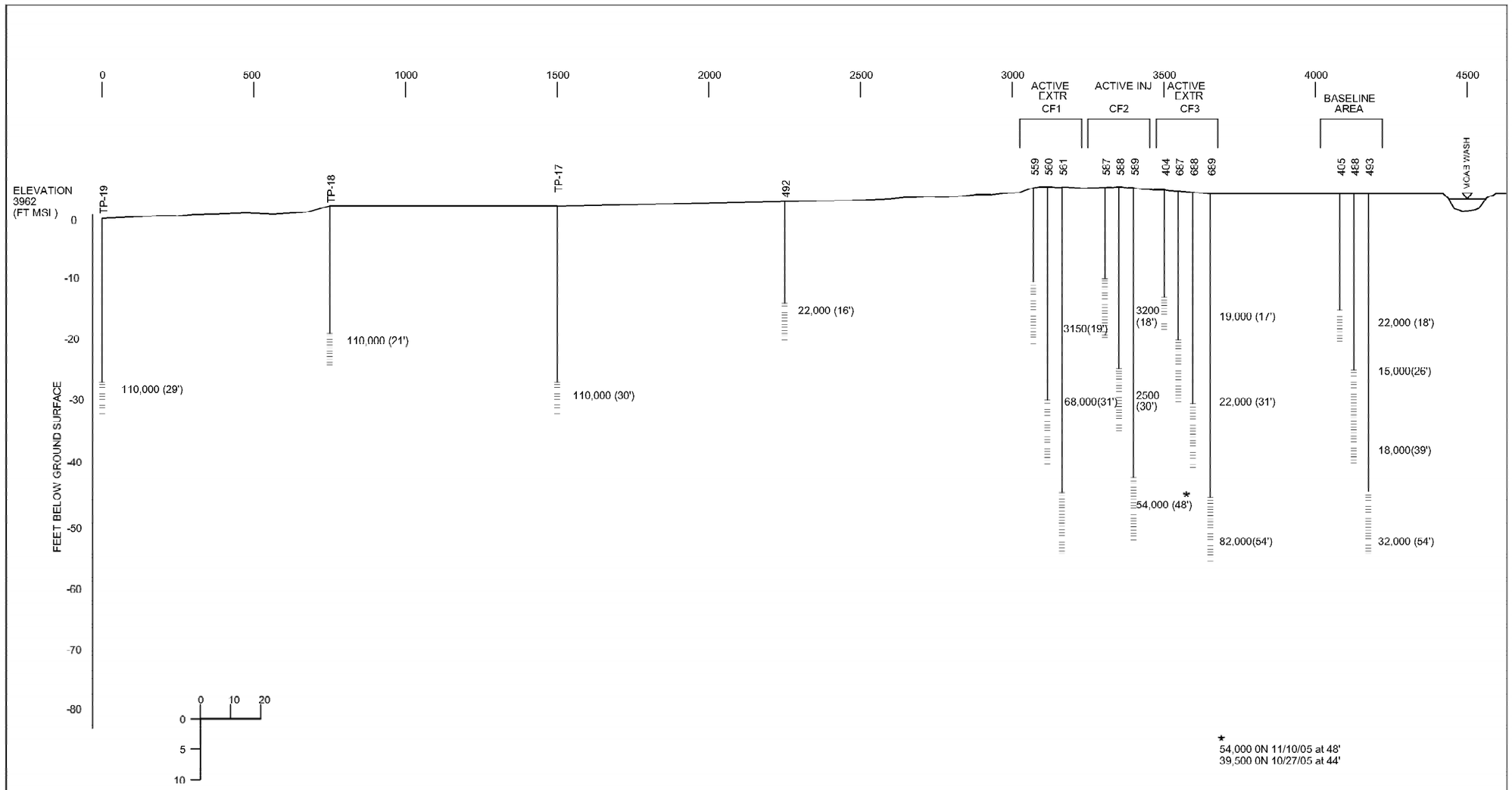

Total Dissolved Solids Concentration (mg/L)
River Flow (cfs)
Date
0679 Concentration During Pumping
0679 Baseline Conc - 16 ft bgs
0679 Baseline Conc - 30 ft bgs
0679 Baseline Conc - 44 ft bgs
Colorado River Flow


Ammonia (as N) Concentration (mg/L)
Pumping Rate (gpm)
Date
0679 Concentration During Pumping
0679 Baseline Conc - 16 ft bgs
0679 Baseline Conc - 30 ft bgs
0679 Baseline Conc - 44 ft bgs
0679 Pumping Rate


Uranium Concentration (mg/L)
Ground Water Elevation (ft msl)
Date
0679 Concentration During Pumping
0679 Baseline Conc - 16 ft bgs
0679 Baseline Conc - 30 ft bgs
0679 Baseline Conc - 44 ft bgs
0679 Ground Water Elevation

# Appendix I

# Analytical Data Cross-Sections




* 54,000 ON 11/10/05 at 48'
39,500 ON 10/27/05 at 44'

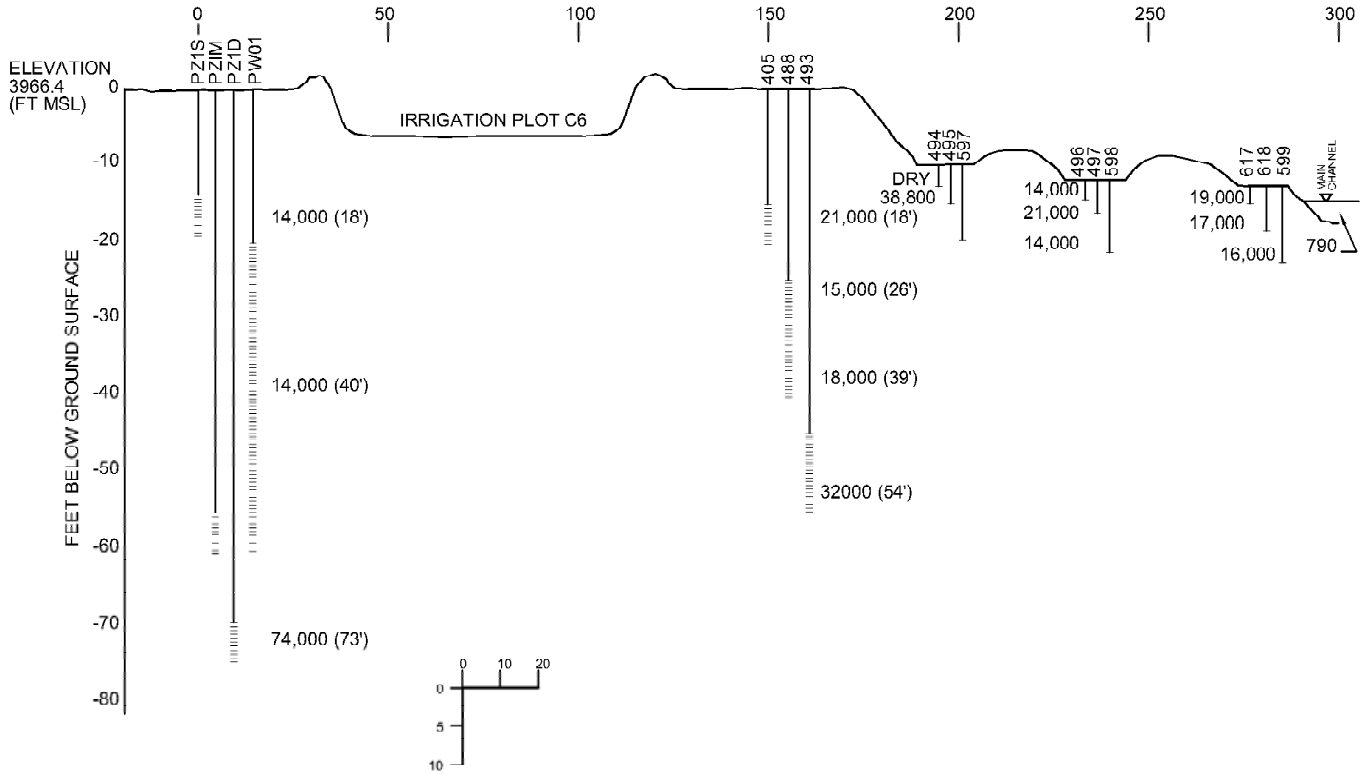
TDS DATA mg/L
OCT/NOV. 05

| | |
|---|---|
| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |

INTERIM ACTION
PERFORMANCE REPORT
RIVER BANK X-SECTION

| DATE PREPARED: | FILENAME: |
|---|---|
| APRIL 10, 2006 | X0161900 |

N:\MOA\999\000\08\005\X0161900.DWG 05/09/06 09:15am AlendoJ




TDS
OCT/NOV. 05

| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02CJ70401 |
|---|---|
| INTERIM ACTION<br>PERFORMANCE REPORT<br>BASELINE AREA X-SECTION | |
| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0162600 |

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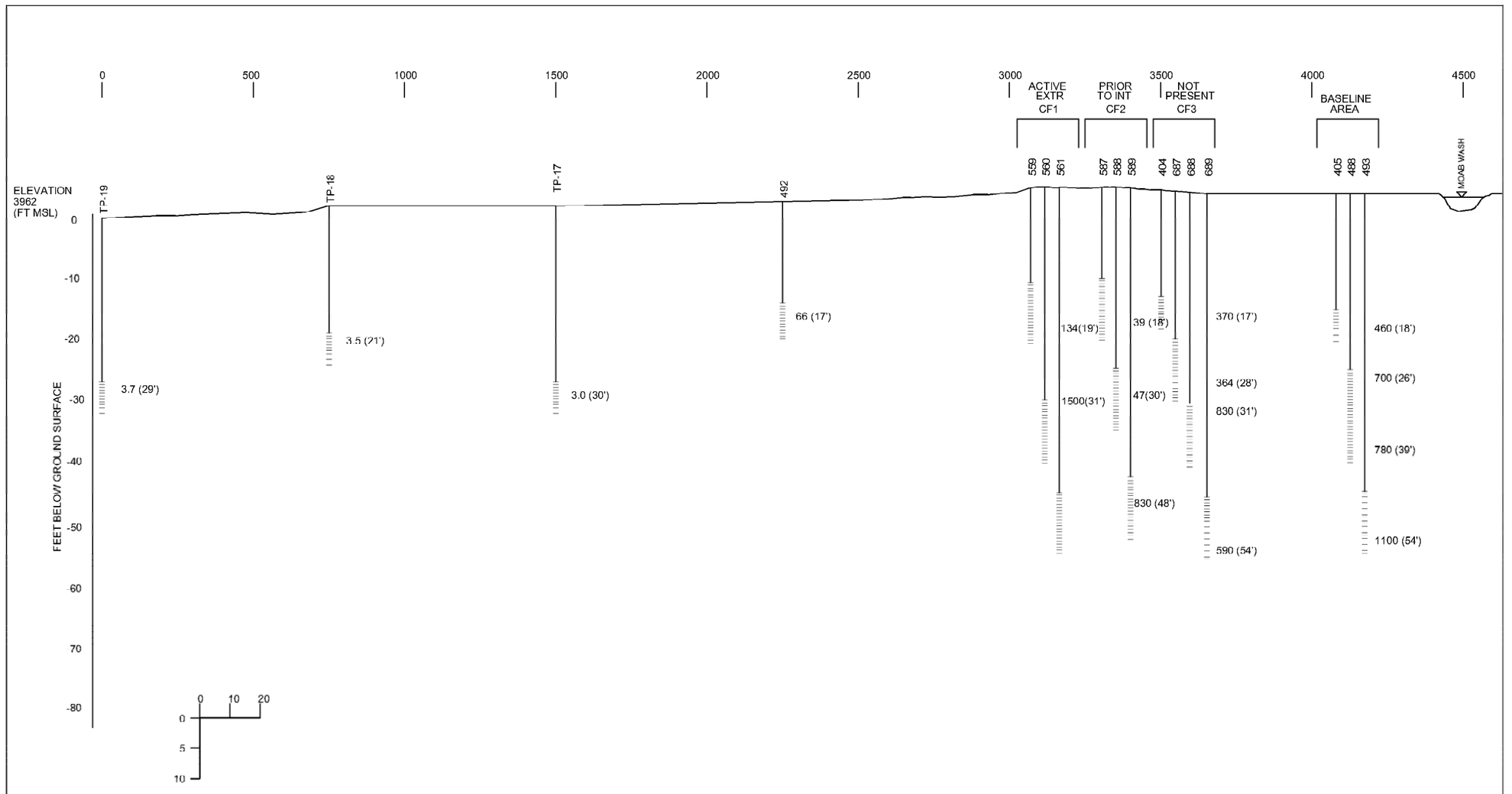


$NH_3$ -N DATA OCT/NOV. 05

| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |
|---|---|
| INTERIM ACTION<br>PERFORMANCE REPORT<br>RIVER BANK X-SECTION | |
| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0161600 |

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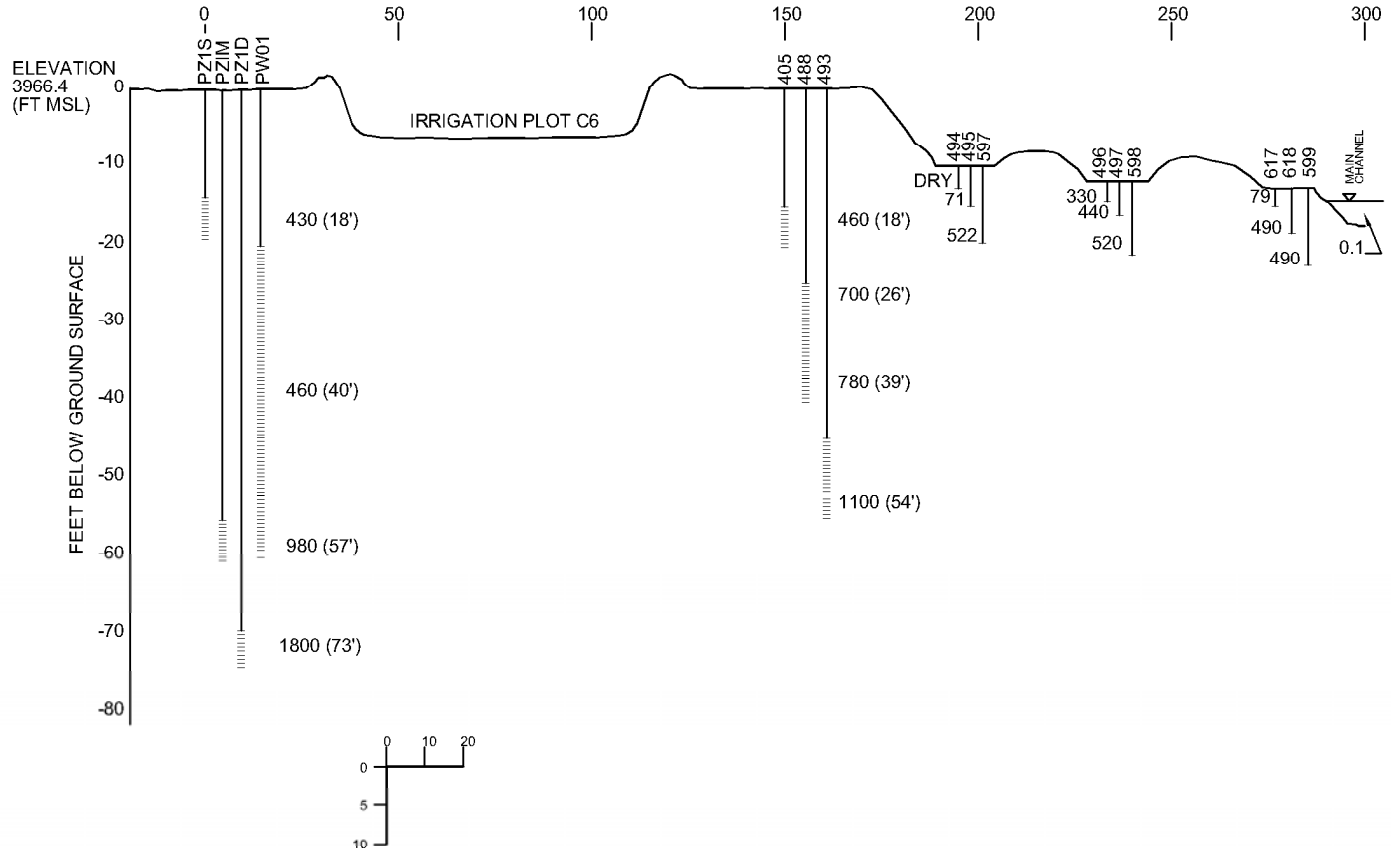


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| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |

INTERIM ACTION
PERFORMANCE REPORT
BASELINE AREA X-SECTION

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| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0162000 |

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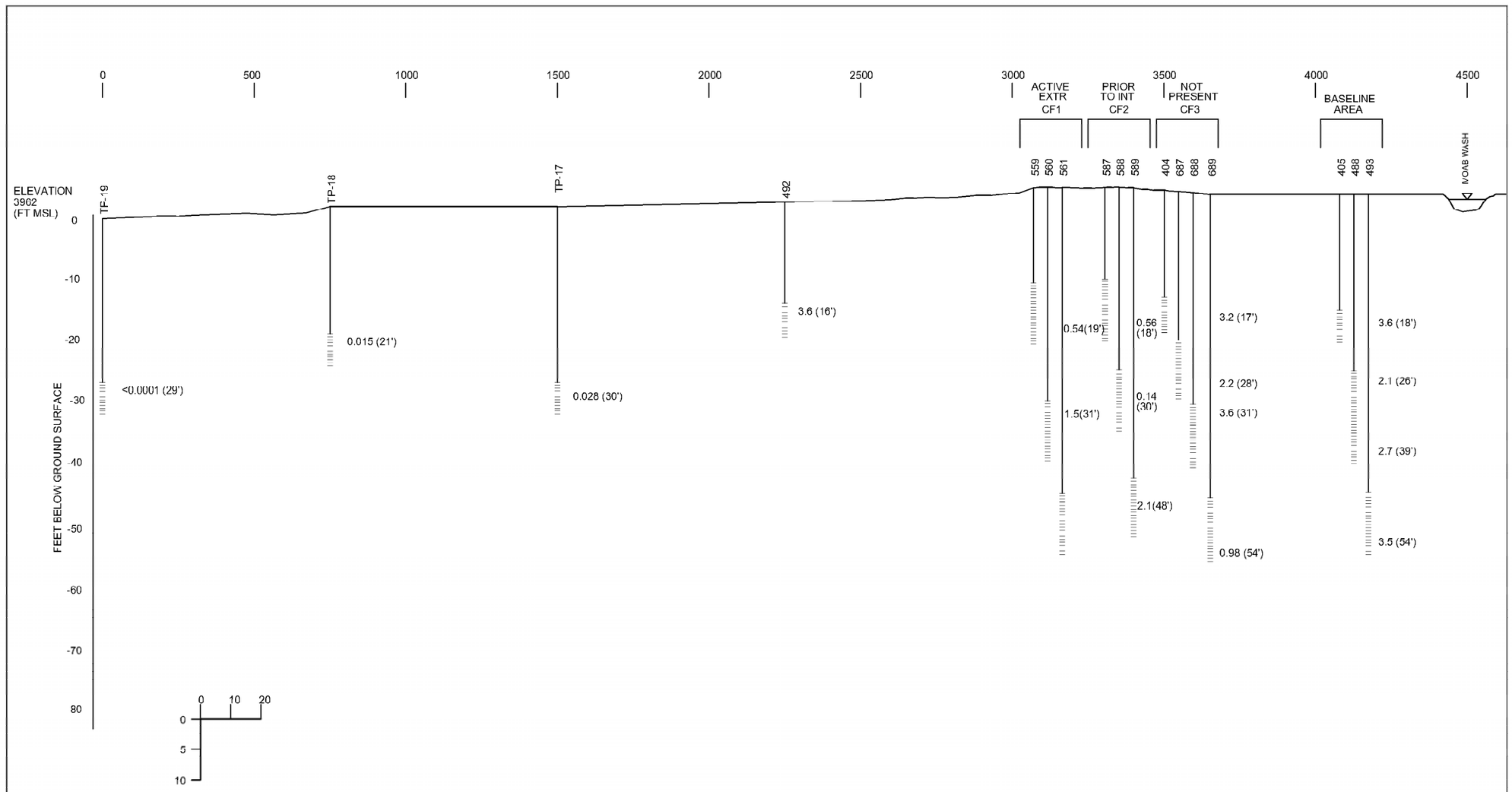


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| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |
| INTERIM ACTION<br>PERFORMANCE REPORT<br>RIVER BANK X-SECTION | |
| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0161500 |

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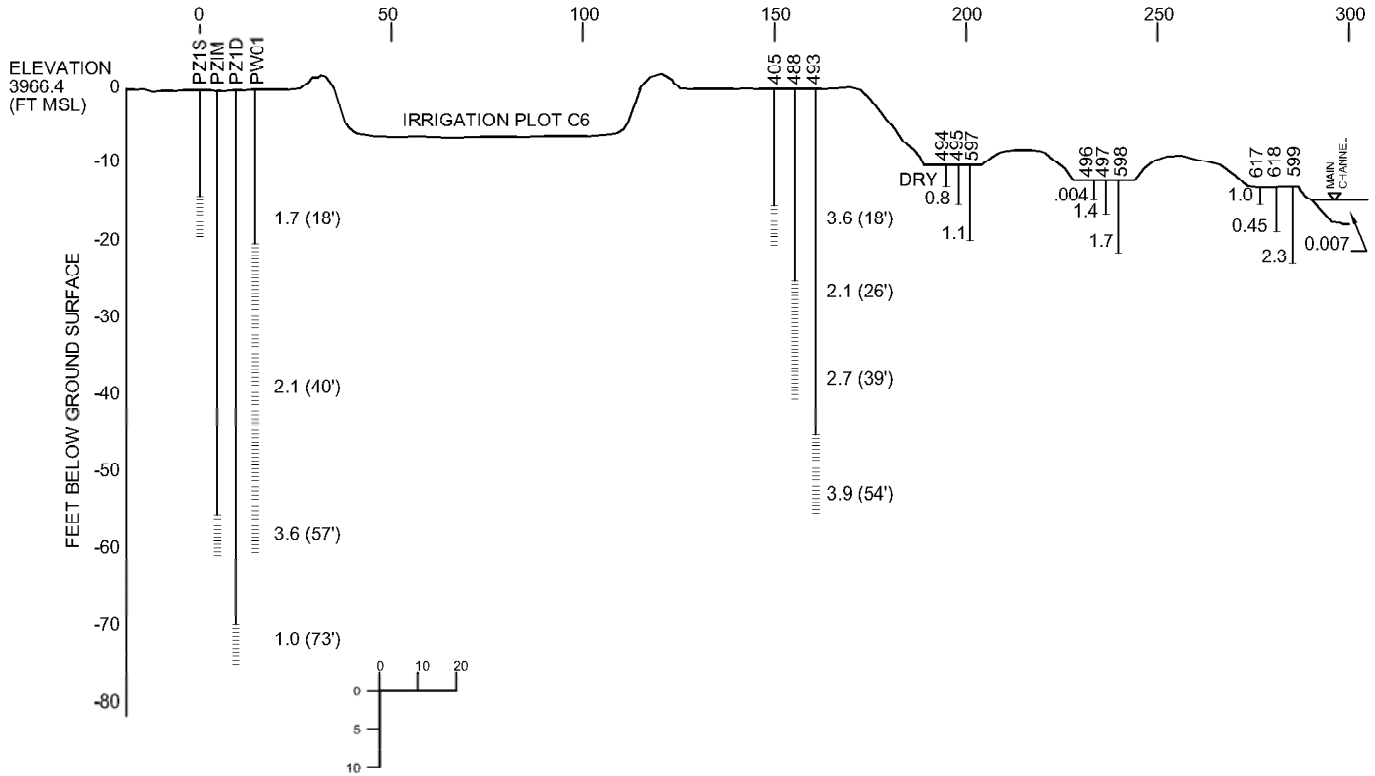


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| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |
| INTERIM ACTION<br>PERFORMANCE REPORT<br>BASELINE AREA X-SECTION | |
| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0162300 |

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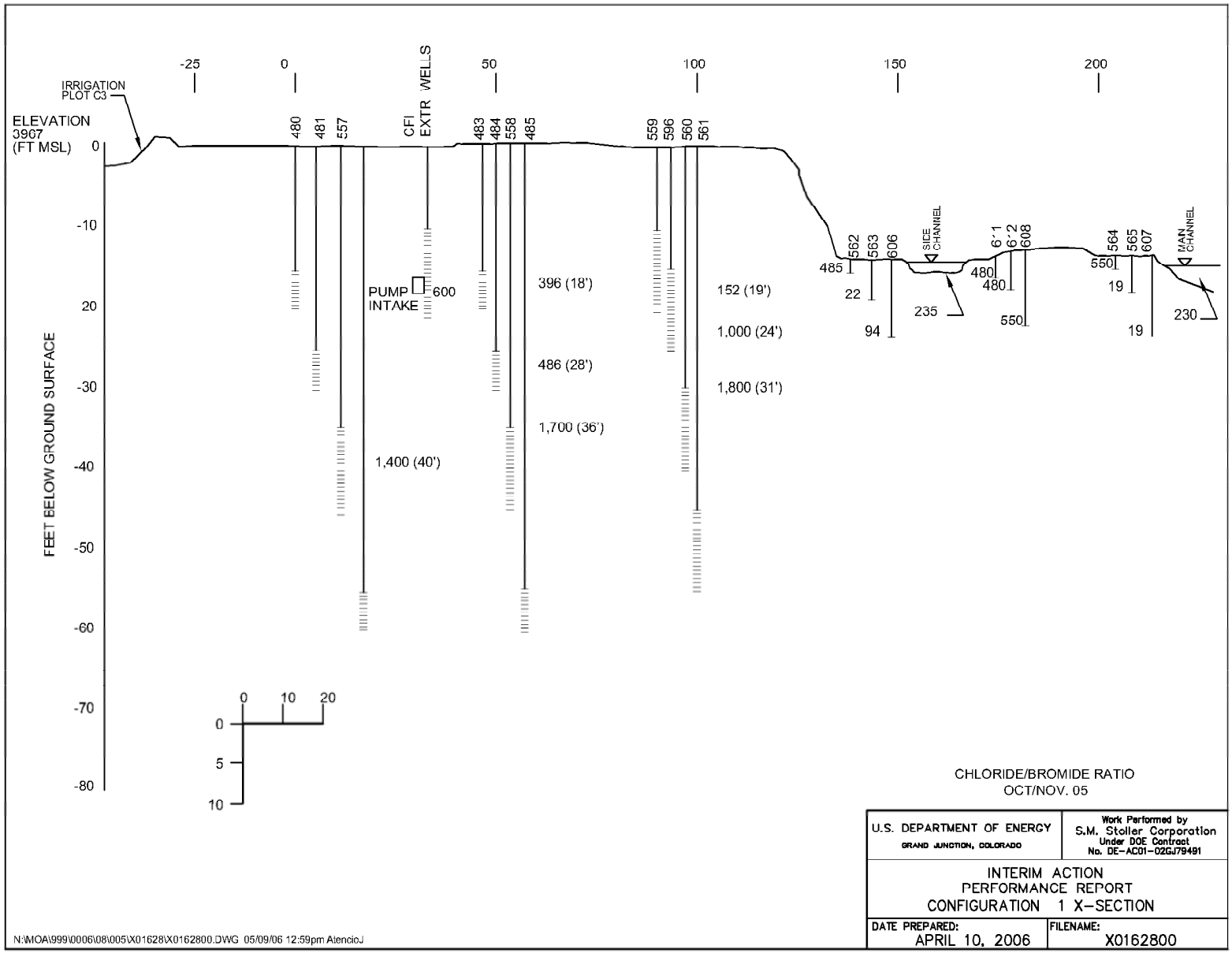
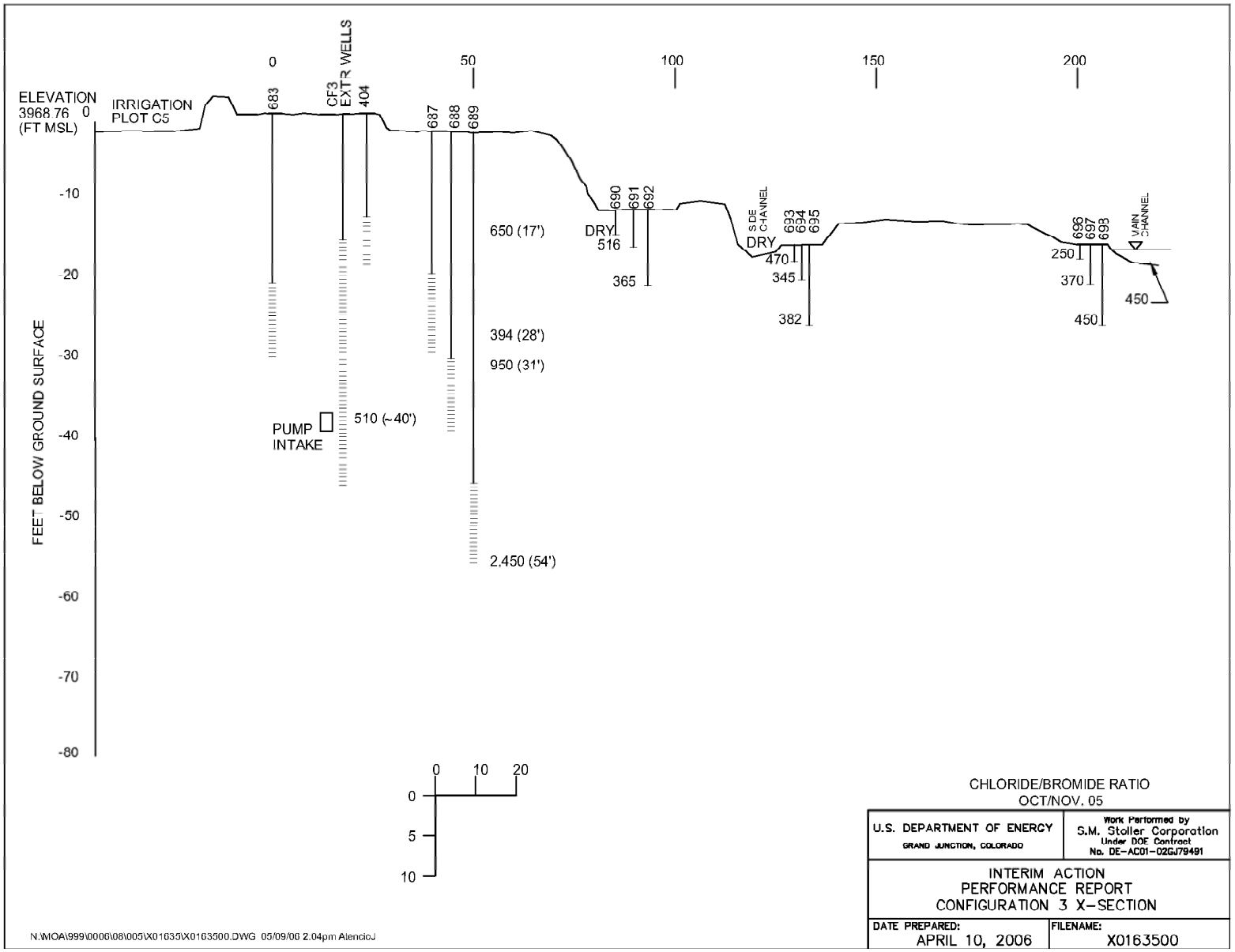

-25
0
50
100
150
200
IRRIGATION PLOT C3
ELEVATION 3967 (FT MSL)
CFI EXTR WELLS
480
481
557
483
484
558
485
559
596
560
561
562
563
606
SIDE CHANNEL
6-1
6-2
608
564
565
607
MAN CHANNEL
485
22
94
480
235
480
550
550
19
19
230
PUMP INTAKE
600
396 (18')
486 (28')
1,700 (36')
1,400 (40')
152 (19')
1,000 (24')
1,800 (31')
FEET BELOW GROUND SURFACE
0
-10
-20
-30
-40
-50
-60
-70
-80
0
10
20
0
5
10
CHLORIDE/BROMIDE RATIO
OCT/NOV. 05
U.S. DEPARTMENT OF ENERGY
GRAND JUNCTION, COLORADO
Work Performed by
S.M. Stoller Corporation
Under DOE Contract
No. DE-AC01-02GJ79491
INTERIM ACTION
PERFORMANCE REPORT
CONFIGURATION 1 X-SECTION
DATE PREPARED:
APRIL 10, 2006
FILENAME:
X0162800
N:\MOA\999\0006\08\005\X01628\X0162800.DWG 05/09/06 12:59pm AtencioJ


ELEVATION
3968.76 (FT MSL)
0
IRRIGATION
PLOT C5
CF3
EXTR WELLS
683
404
687
688
689
650 (17')
394 (28')
950 (31')
2,450 (54')
PUMP
INTAKE
510 (~40')
DRY
690
691
692
516
365
SIDE
CHANNEL
DRY
693
694
695
470
345
382
MAIN
CHANNEL
696
697
693
250
370
450
450
0
50
100
150
200
-10
-20
-30
-40
-50
-60
-70
-80
FEET BELOW GROUND SURFACE
0
10
20
0
5
10
CHLORIDE/BROMIDE RATIO
OCT/NOV. 05
U.S. DEPARTMENT OF ENERGY
GRAND JUNCTION, COLORADO
Work Performed by
S.M. Stoller Corporation
Under DOE Contract
No. DE-AC01-02GJ79491
INTERIM ACTION
PERFORMANCE REPORT
CONFIGURATION 3 X-SECTION
DATE PREPARED:
APRIL 10, 2006
FILENAME:
X0163500
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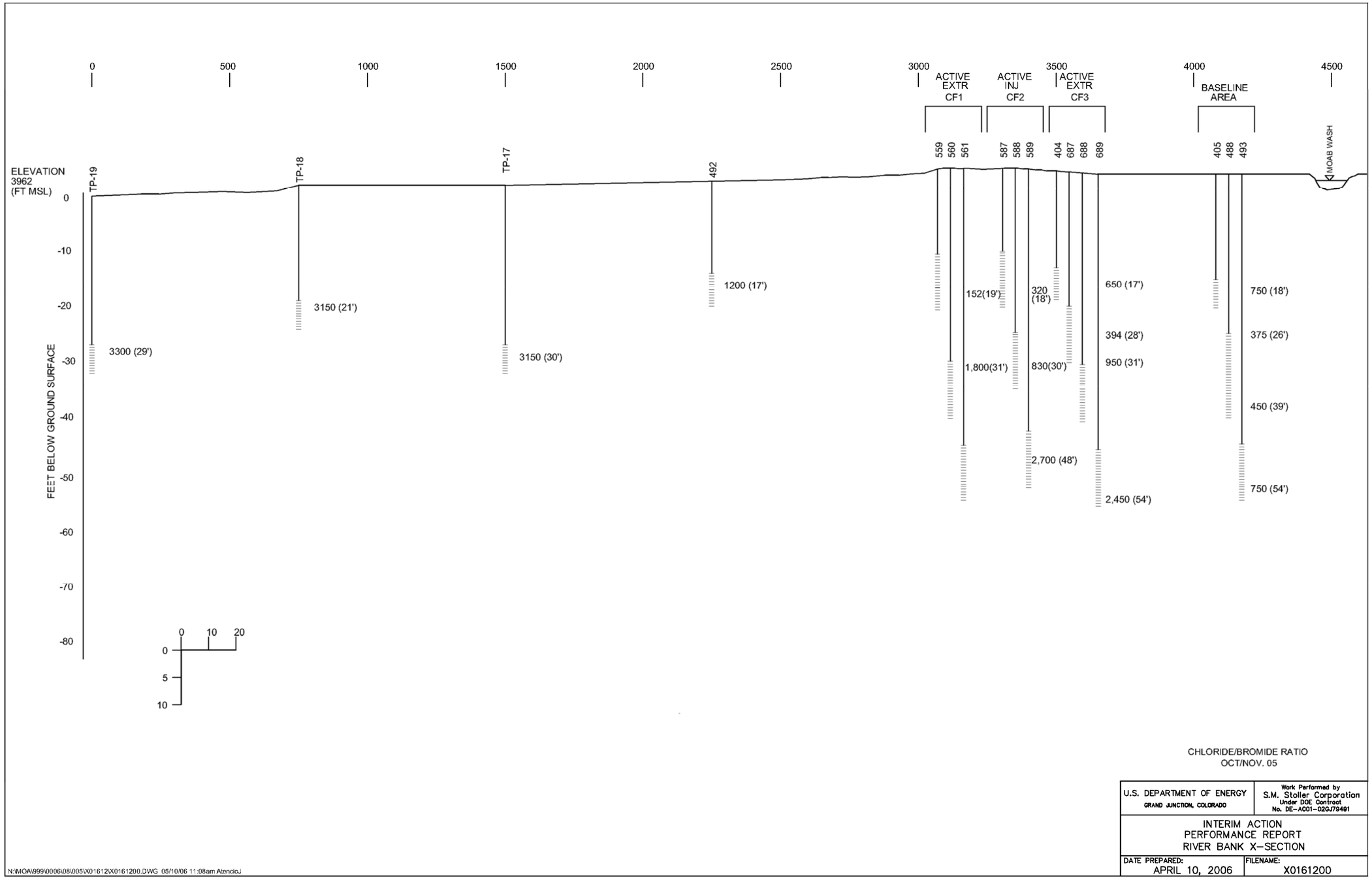


CHLORIDE/BROMIDE RATIO
OCT/NOV. 05

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| U.S. DEPARTMENT OF ENERGY<br>GRAND JUNCTION, COLORADO | Work Performed by<br>S.M. Stoller Corporation<br>Under DOE Contract<br>No. DE-AC01-02GJ79491 |
| INTERIM ACTION<br>PERFORMANCE REPORT<br>RIVER BANK X-SECTION | |
| DATE PREPARED:<br>APRIL 10, 2006 | FILENAME:<br>X0161200 |

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