



Denison Mines (USA) Corp.
1050 17th Street, Suite 950
Denver, CO 80265
USA

Tel : 303 628-7798
Fax : 303 389-4125

www.denisonmines.com

Sent VIA Federal Express

May 30, 2012

Mr. Rusty Lundberg
Co-Executive Secretary
Utah Water Quality Board
Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144820
Salt Lake City, UT 84114-4820

**Re: Transmittal of 1st Quarter 2012 Routine Chloroform Monitoring Report
UDEQ Docket No. UGQ-20-01- White Mesa Uranium Mill**

Dear Mr. Lundberg:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 1st Quarter of 2012 as required by the Notice of Violation and Groundwater Corrective Action Order, UDEQ Docket No. UGQ-20-01 as well as two CDs each containing a word searchable electronic copy of the report.

If you should have any questions regarding this report please contact me.

Yours very truly,

A handwritten signature in blue ink that reads "Jo Ann Tischler".

DENISON MINES (USA) CORP.
Jo Ann Tischler
Director, Compliance and Permitting

CC: Ron F. Hochstein
David C. Frydenlund
Harold R. Roberts
David E. Turk
Kathy Weinel
Central Files

White Mesa Uranium Mill
Chloroform Monitoring Report

State of Utah
Notice of Violation and Groundwater Corrective Action Order UDEQ
Docket No. UGQ-20-01

1st Quarter
(January through March)
2012

Prepared by:

Denison Mines (USA) Corp.
1050 17th Street, Suite 950
Denver CO 80265

May 30, 2012

TABLE OF CONTENTS

1.0	INTRODUCTION.....	1
2.0	CHLOROFORM MONITORING	1
2.1	Samples and Measurements Taken During the Quarter	1
2.1.1	TW4-27	1
2.1.2	Chloroform Monitoring	2
2.1.3	Parameters Analyzed	2
2.1.4	Groundwater Head Monitoring.....	3
2.2	Sampling Methodology and Equipment and Decontamination Procedures	3
2.2.1	Well Purging and Depth to Groundwater	4
2.2.2	Sample Collection.....	4
2.3	Field Data.....	5
2.4	Depth to Groundwater Data and Water Table Contour Map.....	5
2.5	Laboratory Results	6
2.5.1	Copy of Laboratory Results.....	6
2.5.2	Regulatory Framework	6
3.0	QUALITY ASSURANCE AND DATA VALIDATION	6
3.1	Field QC Samples	7
3.2	Adherence to Mill Sampling SOPs	7
3.3	Analyte Completeness Review	8
3.4	Data Validation	8
3.4.1	Field Data QA/QC Evaluation.....	8
3.4.2	Holding Time Evaluation.....	9
3.4.3	Receipt Temperature Evaluation.....	9
3.4.4	Analytical Method Checklist	9
3.4.5	Reporting Limit Evaluation	9
3.4.6	Trip Blank Evaluation.....	9
3.4.7	QA/QC Evaluation for Sample Duplicates	9
3.4.8	Rinsate Sample Check	10
3.4.9	Other Laboratory QA/QC	11
4.0	INTERPRETATION OF DATA	12
4.1	Interpretation of Groundwater Levels, Gradients and Flow Directions.	12
4.1.1	Current Site Groundwater Contour Map.....	12
4.1.2	Comparison of Current Groundwater Contour Maps to Groundwater Contour Maps for Previous Quarter.....	13
4.1.3	Hydrographs.....	14
4.1.4	Depth to Groundwater Measured and Groundwater Elevation.....	14
4.1.5	Evaluation of the Effectiveness of Hydraulic Capture	14
4.2	Review of Analytical Results.....	15
4.2.1	Current Chloroform Isoconcentration Map	15
4.2.2	Chloroform Concentration Trend Data and Graphs.....	16
4.2.3	Interpretation of Analytical Data	16
5.0	LONG TERM PUMP TEST AT MW-4, MW-26, TW4-19, TW4-20, AND TW4-4 OPERATIONS REPORT	17
5.1	Introduction.....	17
5.2	Pump Test Data Collection	18

5.3	Water Level Measurements	18
5.4	Pumping Rates and Volumes.....	19
5.5	Mass Removed.....	19
5.6	Inspections	19
5.7	Conditions That May Affect Water Levels in Piezometers	19
6.0	CORRECTIVE ACTION REPORT	19
6.1	Sample/Duplicate Results.....	20
6.2	Assessment of Previous Quarter's Corrective Actions	21
7.0	CONCLUSIONS AND RECOMMENDATIONS.....	21
8.0	ELECTRONIC DATA FILES AND FORMAT	23
9.0	SIGNATURE AND CERTIFICATION	24

LIST OF TABLES

Table 1	Summary of Well Sampling for the Period
Table 2	Mass of Chloroform Removed Per Well Per Quarter
Table 3	Chloroform Pumping Rates and Volumes

INDEX OF TABS

- Tab A Site Plan and Perched Well Locations White Mesa Site
- Tab B Order of Sampling and Field Data Worksheets
- Tab C Weekly and Monthly Depth to Water Data
- Tab D Kriged Current Quarter Groundwater Contour Map, Capture Zone Map, Capture Zone Details Map, and Depth to Water Data Table
- Tab E Kriged Previous Quarter Groundwater Contour Map
- Tab F Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells
- Tab G Depths to Groundwater and Elevations Over Time for Monitoring Wells
- Tab H Laboratory Analytical Reports
- Tab I Quality Assurance and Data Validation Tables
 - I-1 Field Data QA/QC Evaluation
 - I-2 Holding Time Evaluation
 - I-3 Receipt Temperature Check
 - I-4 Analytical Method Check
 - I-5 Reporting Limit Evaluation
 - I-6 Trip Blank Evaluation
 - I-7 QA/QC Evaluation for Sample Duplicates
 - I-8 QC Control Limits for Analyses and Blanks
 - I-9 Rinsate Evaluation
- Tab J Kriged Current Quarter Chloroform Isoconcentration Map
- Tab K Analyte Concentration Data Over Time
- Tab L Chloroform Concentration Trend Graphs
- Tab M CSV Transmittal Letter

1.0 INTRODUCTION

The presence of chloroform was initially identified in groundwater at the White Mesa Mill (the "Mill") as a result of split sampling performed in May 1999. The discovery resulted in the issuance of State of Utah Notice of Violation ("NOV") and Groundwater Corrective Action Order ("CAO") State of Utah Department of Environmental Quality ("UDEQ") Docket No. UGQ-20-01, which required that Denison Mines (USA) Corp. ("DUSA") submit a Contamination Investigation Plan and Report pursuant to the provisions of UAC R317-6-6.15(D).

The frequency of chloroform sampling, which was initially performed on a monthly basis, was modified on November 8, 2003. Since that time all chloroform contaminant investigation wells have been sampled on a quarterly basis.

This is the Quarterly Chloroform Monitoring Report for the first quarter of 2012 as required under the NOV and CAO. This Report also includes the Operations Report for the Long Term Pump Test at MW-4, TW4-19, MW-26 (previously referred to as TW4-15), TW4-20, and TW4-4 for the quarter.

2.0 CHLOROFORM MONITORING

2.1 Samples and Measurements Taken During the Quarter

A map showing the location of all groundwater monitoring wells, piezometers, existing wells, temporary chloroform contaminant investigation wells and temporary nitrate investigation wells is attached under Tab A. Chloroform samples and measurements taken during this reporting period (January through March), are discussed in the remainder of this section.

2.1.1 TW4-27

Installation of the new perched groundwater monitoring well, TW4-27, was completed on November 8, 2011, as required by the May 26, 2011 Division of Radiation Control ("DRC") Request for Additional Information ("RFI"), and as delineated in the Final Denison Work Plan and Schedule to Drill and Install Well TW4-27 (the "Plan"), submitted to DRC on October 3, 2011.

Per section 1.2 of the Plan, water level and chloroform concentration data will be collected from existing wells, as well as TW4-27, to determine if TW4-27 satisfies the stipulated criteria. TW4-27 will satisfy the stipulated criteria if, the 70 ug/L chloroform isoconcentration line remains hydraulically upgradient of TW4-27, and groundwater contour lines show that TW4-27 is hydraulically downgradient of TW4-4 and TW4-6.

In addition to the criteria in section 1.2, section 1.3 of the Plan states that if water level data from TW4-27 indicates that the water level at TW4-14 is anomalous, TW4-14 will be abandoned, with the approval of the Executive Secretary. The water level at TW4-14

will be considered anomalous if the water level at TW4-27 is comparable to the water level at TW4-6.

TW4-27 was installed hydraulically downgradient of wells TW4-4 and TW4-6 to ensure the chloroform plume is bounded. The estimated perched water elevation at TW4-27, indicates that TW4-27 is located downgradient of TW4-6 and TW4-26, and TW4-14 is located downgradient of TW4-4 and TW4-6. TW4-14 and TW4-27 are therefore properly located to bound the chloroform plume to the east of TW4-4, TW4-6, and TW4-26.

The first quarter of 2012 marks the first sampling event for TW4-27. Per the requirements of the Plan, quarterly water level measurements and sampling will continue during the next regularly scheduled chloroform sampling event. A determination of whether or not the criteria in paragraph 1.2 of the Plan have been satisfied with the addition of TW4-27 will be made after receipt of two quarters of water level and chloroform data. A decision whether or not to abandon TW4-14 will also be made by Denison and the Executive Secretary at that time.

2.1.2 Chloroform Monitoring

Quarterly sampling for chloroform monitoring parameters is currently required in the following wells:

TW4-1	TW4-10	TW4-21
TW4-2	TW4-11	TW4-22
TW4-3	TW4-12	TW4-23
TW4-4	TW4-13	TW4-24
TW4-5	TW4-14	TW4-25
TW4-6	TW4-16	MW-4
TW4-7	TW4-18	MW-26 (formerly TW4-15)
TW4-8	TW4-19	MW-32 (formerly TW4-17)
TW4-9	TW4-20	TW4-26
		TW4-27

Table 1 provides an overview of all wells sampled during the quarter, along with the date samples were collected from each well, and the date(s) which analytical data were received from the contract laboratory. Table 1 also identifies equipment rinsate samples collected, as well as sample numbers associated with the deionized field blank ("DIFB") and any required duplicates.

As indicated in Table 1, chloroform monitoring was performed in all of the required chloroform monitoring wells.

2.1.3 Parameters Analyzed

Wells sampled during this reporting period were analyzed for the following constituents:

- Chloroform
- Chloromethane

- Carbon tetrachloride
- Methylene chloride
- Chloride
- Nitrate plus Nitrite as Nitrogen

Use of analytical methods is consistent with the requirements of the Chloroform Investigation Monitoring Quality Assurance Program (the “Chloroform QAP”) attached as Appendix A to the White Mesa Uranium Mill Groundwater Monitoring Quality Assurance Plan (“QAP”).

2.1.4 Groundwater Head Monitoring

Depth to groundwater was measured in the following wells and/or piezometers, pursuant to Part I.E.3 of the Groundwater Discharge Permit (the “GWDP”):

- The quarterly groundwater compliance monitoring wells.
- Existing monitoring well MW-4 and all of the temporary chloroform investigation wells.
- Piezometers – P-1, P-2, P-3, P-4 and P-5.
- MW-20 and MW-22.
- Nitrate monitoring wells.
- In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for all wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.
- The DR piezometers which were installed during the Southwest Hydrologic Investigation.

In addition, weekly and monthly depth to groundwater measurements were taken in MW-4, MW-26, TW4-19, TW4-20, and TW4-4, as part of the long term pumping test for MW-4.

2.2 Sampling Methodology and Equipment and Decontamination Procedures

DUSA completed, and transmitted to UDEQ on May 25, 2006, a revised QAP for sampling under the Mill’s Groundwater Discharge Permit (“GWDP”). While the water sampling conducted for chloroform investigation purposes has conformed to the general principles set out in the QAP, some of the requirements in the QAP were not fully implemented prior to UDEQ’s approval, for reasons set out in correspondence to UDEQ dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, DUSA discussed the issues brought forward in the letter with UDEQ and has received correspondence from UDEQ about those issues. In response to UDEQ’s letter and subsequent discussions with UDEQ, DUSA has incorporated changes in chloroform Quality Assurance (“QA”) procedures in the form of the Chloroform QAP. The Chloroform QAP describes the needs of the chloroform investigation program where they differ from the Groundwater QAP. On June 20, 2009 the Chloroform QAP was modified to require that the quarterly chloroform reports include additional items specific to DUSA’s ongoing pump testing and chloroform capture efforts.

The sampling methodology, equipment and decontamination procedures that were performed for the chloroform contaminant investigation, as summarized below, are consistent with the QAP and the Chloroform QAP.

2.2.1 Well Purging and Depth to Groundwater

A list of the wells in order of increasing chloroform contamination is generated quarterly. The order for purging is thus established. The list is included with the Field Data Worksheets under Tab B. Mill personnel start purging with all of the non-detect wells and then move to the more contaminated wells in order of chloroform contamination.

Before leaving the Mill office, the portable pump and hose are rinsed with deionized (“DI”) water. A rinsate blank sample is collected at the beginning of each day prior to the first use of the pump. Mill personnel then proceed to the first well which is the well with the lowest concentration of chloroform based on the previous quarter’s sampling results. Well depth measurements are taken and the two casing volumes are calculated for those wells which do not have a dedicated pump (measurements are made using the same instrument used for the monitoring wells under the Mill’s GWDP). If the well has a dedicated pump, it is pumped on a set schedule per the remediation plan and is considered sufficiently evacuated to immediately collect a sample; however, if a pumping well has been out of service for 48 hours or more, DUSA will follow the purging requirements outlined in Section 6.2.7(d)(v) of the QAP. The dedicated pump is used to collect parameters and to collect the samples as described below. If the well does not have a dedicated pump, a Grundfos pump (9 - 10 gpm pump) is then lowered to the screened interval in the well and purging is started. The purge rate is measured for the well by using a calibrated 5 gallon bucket. The purging of the well is completed per Section 6.2.5 of the QAP. In wells where the portable pump is used, a disposable bailer is used to collect the samples the day following purging activities. After each use, the portable pump is decontaminated prior to reuse at the next sample location. This purging process is repeated at each well location moving from least contaminated to the most contaminated well. All wells are capped and secured prior to leaving the sampling location.

Wells with dedicated pumps are sampled when the pump is in the pumping mode. If the pump is not pumping at the time of sampling, it is manually switched on by the Mill Personnel. The well is pumped for approximately 5 to 10 minutes prior to the collection of the field parameters. Per the approved QAP, one set of parameters is collected. Samples are collected following the measurement of one set of field parameters. The pump is turned off and allowed to resume its timed schedule.

2.2.2 Sample Collection

Samples are collected as described above. In all cases, on days when samples will be collected, a cooler with ice is prepared. The trip blank is also gathered at that time (the trip blank for these events is provided by the Analytical Laboratory). Once Mill Personnel arrive at the well sites, labels are filled out for the various samples to be collected. All personnel involved with the collection of water and samples are then

outfitted with rubber gloves. Chloroform investigation samples are collected by means of disposable bailers.

Mill personnel use a disposable bailer to sample each well that does not have a dedicated pump. The bailer is attached to a reel of approximately 150 feet of nylon rope and then lowered into the well. After coming into contact with the water, the bailer is allowed to sink into the water in order to fill. Once full, the bailer is reeled up out of the well and the sample bottles are filled as follows:

- Volatile Organic Compound (“VOC”) samples are collected first. This sample consists of three 40 ml vials provided by the Analytical Laboratory. The VOC sample is not filtered and is preserved with HCl;
- A sample for nitrate/nitrite is then collected. This sample consists of one 250 ml. bottle which is provided by the Analytical Laboratory. The nitrate/nitrite sample is also not filtered and is preserved with H₂SO₄;
- A sample for chloride is then collected. This sample consists of one 500 ml. bottle which is provided by the Analytical Laboratory. The chloride sample is also not filtered and is not chemically preserved.

After the samples have been collected for a particular well, the bailer is disposed of and the samples are placed into the cooler that contains ice. The well is then recapped and Mill personnel proceed to the next well.

2.3 Field Data

Attached under Tab B are copies of all Field Data Worksheets that were completed during the quarter for the chloroform contaminant investigation monitoring wells identified in paragraph 2.1.1 above, and Table 1.

2.4 Depth to Groundwater Data and Water Table Contour Map

Attached under Tab C are copies of the Depth to Water Sheets for the weekly monitoring of MW-4, MW-26, TW4-19, TW4-20, and TW4-4, as well as the monthly depth to groundwater data for chloroform contaminant investigation wells measured during the quarter. Depth to groundwater measurements which were utilized for groundwater contours are included on the Quarterly Depth to Water Worksheet at Tab D of this report, along with the kriged groundwater contour map for the current quarter generated from this data. A copy of the kriged groundwater contour map generated from the fourth quarter 2011 data is provided under Tab E.

2.5 Laboratory Results

2.5.1 Copy of Laboratory Results

All analytical results were provided by Energy Laboratories (“EL”). Table 1 lists the dates when analytical results were reported to the QA Manager for each well or other sample.

Results from analysis of samples collected for the quarter chloroform contaminant investigation are provided under Tab H of this Report. Also included under Tab H are the results of analyses for duplicate samples, the DIFB, and rinsate samples for this sampling effort, as identified in Table 1, as well as results for trip blank analyses required by the Chloroform QAP.

2.5.2 Regulatory Framework

As discussed in Section 1.0, above, the NOV and requirements of the CAO triggered a series of actions on DUSA’s part. In addition to the monitoring program, DUSA has equipped five wells with pumps to recover impacted groundwater, and has initiated recovery of chloroform from the perched zone.

Sections 4 and 5, below, interpret the groundwater level and flow information, contaminant analytical results, and pump test data to assess effectiveness of DUSA’s chloroform capture program.

3.0 QUALITY ASSURANCE AND DATA VALIDATION

The QA Manager performed a QA/Quality Control (“QC”) review to confirm compliance of the monitoring program with requirements of the QAP. As required in the QAP, data QA includes preparation and analysis of QC samples in the field, review of field procedures, an analyte completeness review, and QC review of laboratory methods and data. Identification of field QC samples collected and analyzed is provided in Section 3.1. Discussion of adherence to Mill sampling Standard Operating Procedures (“SOPs”) is provided in Section 3.2. Analytical completeness review results are provided in Section 3.3. The steps and tests applied to check laboratory data QA/QC are discussed in Sections 3.4.4 through 3.4.9 below.

The analytical laboratory has provided summary reports of the analytical quality QA/QC measurements necessary to maintain conformance with National Environmental Laboratory Accreditation Conference (“NELAC”) certification and reporting protocol. The Analytical Laboratory QA/QC Summary Reports, including copies of the Mill’s Chain of Custody and Analytical Request Record forms for each set of Analytical Results, follow the analytical results under Tab H. Results of review of the laboratory QA/QC information are provided under Tab I and are discussed in Section 3.4, below.

3.1 Field QC Samples

The following QC samples were generated by Mill personnel and submitted to the analytical laboratory in order to assess the quality of data resulting from the field sampling program.

Field QC samples for the chloroform investigation program consist of one field duplicate sample for each 20 samples, a trip blank for each shipped cooler which contains VOCs, one DIFB and rinsate samples.

During this quarter, two duplicate samples were collected as indicated in Table 1. The duplicates were sent blind to the analytical laboratory and analyzed for the same parameters as the chloroform wells.

Two trip blanks were provided by Energy Laboratories and returned with the quarterly chloroform monitoring samples.

Four rinsate blank samples were collected as indicated on Table 1. Rinsate samples were labeled with the name of the subsequently purged well with a terminal letter "R" added (e.g. TW4-7R). The results of these analyses are included with the routine analyses under Tab H.

In addition, one DIFB, while not required by the Chloroform QAP, was collected and analyzed for the same constituents as the well samples and rinsate blank samples.

3.2 Adherence to Mill Sampling SOPs

On a review of adherence by Mill personnel to the existing sampling SOPs, the QA Manager observed that QA/QC requirements established in the QAP and Chloroform QAP were being adhered to and that the SOPs were implemented, except as described below.

One site procedure requiring clarification was noted during the QA Manager's review of the field data. As previously stated, a list of the wells in order of increasing chloroform contamination (based on the previous quarter's data) is generated quarterly prior to the next quarter's sampling to determine the order for purging prior to sampling. Consistent with the approved QAP, each quarterly event begins with purging of the wells from the least affected to the most affected based on the previous quarter's data. Although purging follows this order, the sampling order may deviate slightly from the generated list. This practice does not affect the samples for these reasons: any wells sampled in slightly different order had either dedicated pumps or were sampled via a disposable bailer. This practice does not affect the quality or usability of the data as there is no cross-contamination resulting from sampling order. DUSA intends to propose modified language to clarify this practice in the next revision of the QAP.

3.3 Analyte Completeness Review

All analyses required by the GWDP for chloroform monitoring for the period were performed.

3.4 Data Validation

The QAP and GWDP identify the data validation steps and data QC checks required for the chloroform monitoring program. Consistent with these requirements, the QA Manager performed the following evaluations: a field data QA/QC evaluation, a holding time check, a receipt temperature check, an analytical method check, a reporting limit evaluation, a trip blank check, a QA/QC evaluation of sample duplicates, a QC Control Limit check for analyses and blanks including the DIFB and a rinsate sample check. Each evaluation is discussed in the following sections. Data check tables indicating the results of each test are provided under Tab I.

3.4.1 Field Data QA/QC Evaluation

The QA Manager performs a review of all field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and stability of five parameters: conductance, pH, temperature, redox potential, and turbidity. Review of the Depth to Water data confirms that all depth measurements used for development of groundwater contour maps were conducted within a five-day period as indicated by the measurement dates in the summary sheet under Tab D. The results of this quarter's review of field data are provided under Tab I.

Based upon this review, all non-pumping wells conformed to the QAP requirement to evacuate two well casing volumes before sampling except TW4-1, TW4-2, TW4-3, TW4-6, TW4-7, TW4-10, TW4-11, TW4-13, TW4-14, TW4-22, TW4-26, and TW4-27. All of these wells were pumped to dryness before two casing volumes were evacuated and as such the requirement to purge two casing volumes does not apply. TW4-16 was purged to dryness after two casing volumes were removed. In each case, representative samples of formation water were collected after the wells were allowed to recover.

During review of the field data sheets, it was observed that sampling personnel consistently recorded depth to water to the nearest 0.01 foot.

All field parameters for all wells were within the required Relative Percent Difference ("RPD") (other than the wells that were pumped to dryness and the wells which are continually pumped, for which this requirement does not apply), except as follows.

The review of the field sheets for compliance with QAP requirements resulted in the observations noted below. The requirements in Section 6.2.7 of the QAP specifically state that field parameters must have stabilized to within 10% over at last 2 consecutive measurements. During this quarter's sampling event, all field parameters were stabilized within 10%.

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units (“NTU”) prior to sampling unless the well is characterized by water that has a higher turbidity.

Twenty-six turbidity measurements exceeded the QAP’s 5 NTU goal. Of the twenty-six samples, thirteen samples were taken after the well had been pumped to dryness. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU below are included for information purposes only.

3.4.2 Holding Time Evaluation

QAP Table 1 identifies the method holding times for each suite of parameters. Sample holding time checks are provided in Tab I. All samples were received and analyzed within the required holding time.

3.4.3 Receipt Temperature Evaluation

Chain of Custody sheets were reviewed to confirm compliance with the QAP requirement which specifies that samples be received at 6°C or lower. Sample temperatures checks are provided in Tab I. All samples were received within the required temperature limit.

3.4.4 Analytical Method Checklist

All analytical methods reported by the laboratory were checked against the required methods enumerated in the Chloroform QAP. Analytical method checks are provided in Tab I. All methods were consistent with the requirements of the Chloroform QAP.

3.4.5 Reporting Limit Evaluation

All analytical method reporting limits reported by the laboratory were checked against the reporting limits enumerated in the Chloroform QAP. Reporting Limit Checks are provided under Tab I. All analytes were measured and reported to the required reporting limits, except 24 sets (22 samples and 2 duplicates) of sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution. In all cases the reported value for the analyte was higher than the increased detection limit.

3.4.6 Trip Blank Evaluation

All trip blank results were reviewed to identify any VOC contamination resulting from transport of the samples. Trip blank checks are provided in Tab I. All trip blank results were less than the reporting limit for all VOCs.

3.4.7 QA/QC Evaluation for Sample Duplicates

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured

results (described as activities in the QAP) are less than 5 times the required detection limit. This standard is based on the EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994, 9240.1-05-01 as cited in the QAP. The RPDs are calculated for all duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data will be considered noncompliant only when the results are greater than 5 times the reported detection limit and the RPD is greater than 20%. The additional duplicate information is provided for information purposes.

All analytical results for the sample/duplicate pairs were within the 20% acceptance limits. All results of the RPD test are provided in Tab I.

3.4.8 Rinsate Sample Check

Rinsate blank sample checks are provided in Tab I.

Chloroform and Chloride

A review of the analytical results reported for rinsate blank samples indicated that one of the rinsate blank samples contained chloroform. A DIFB was analyzed and the results indicated that it contained chloride. A comparison of the rinsate blank sample concentration levels to the QAP requirements – that rinsate sample concentrations be one order of magnitude lower than that of the actual well – indicated that the rinsate blank sample with a detection of chloroform did not meet this criterion. The rinsate blank reported a detection of chloroform at 1.0 ug/L while the parent sample did not report a detection for chloroform. The fact that the rinsate blank had a detection while the parent sample did not indicates that the contamination is resulting from the DI water used to make the rinsate blank.

The QAP requirement for rinsate concentrations, however, is irrelevant and inappropriate for the rinsate blank sample data collected during the chloroform sampling because rinsate blank samples are collected from the decontaminated portable pump used for well purging, and the pump is not used for sample collection. As stated in Section 2.2.1, wells that do not have a dedicated pump are purged using a portable pump. In wells where the portable pump is used for purging, a disposable bailer is used to collect the samples the day following purging activities. That is, in no case is the rinsate sample actually indicative of contamination or carryover.

Based on the investigation into the source of chloroform, DUSA believes that the potential source for the chloroform present in the rinsate blanks has been identified.

DUSA believes the chloroform and chloride contamination in the DI water is most likely the result of chlorination of the intake water used for the DI system. The chloroform and chloride is most likely the result of the chlorination of the potable water at the Mill which is subsequently fed to the DI system. The chlorine added to the potable water used for the DI system intake reacts with the naturally occurring organic and inorganic materials in the water and produces chloroform and chloride.

Corrective actions for this issue are described in Section 6.1.

3.4.9 Other Laboratory QA/QC

Section 9.2 of the QAP requires that the laboratory's QA/QC Manager check the following items in developing data reports: (1) sample preparation information is correct and complete, (2) analysis information is correct and complete, (3) appropriate analytical laboratory procedures are followed, (4) analytical results are correct and complete, (5) QC samples are within established control limits, (6) blanks are within QC limits, (7) special sample preparation and analytical requirements have been met, and (8) documentation is complete. In addition to other laboratory checks described above, DUSA's QA Manager rechecks QC samples and blanks (items (5) and (6)) to confirm that the percent recovery for spikes and the relative percent difference for spike duplicates are within the method-specified acceptance limits, or that the case narrative sufficiently explains any deviation from these limits. Results of this quantitative check are provided in Tab I.

All lab QA/QC results met these specified acceptance limits except as noted below.

The QAP Section 8.1.2 requires that a Matrix Spike/Matrix Spike Duplicate ("MS/MSD") (referred to as Duplicate Spike [Matrix spike] in the QAP) pair be analyzed with each analytical batch. The QAP does not specify acceptance limits for the MS/MSD pair, and the QAP does not specify that the MS/MSD pair be prepared on DUSA samples only. Acceptance limits for MS/MSDs are set by the laboratories. The review of the information provided by the laboratories in the data packages verified that the QAP requirement to analyze an MS/MSD pair with each analytical batch was met. While the QAP does not require it, the recoveries were reviewed for compliance with the laboratory established acceptance limits. The QAP does not require this level of review, and the results of this review are provided for information only.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for all quarterly chloroform samples are within acceptable laboratory limits for all regulated compounds except as indicated in Tab I. The recoveries, which are outside of the laboratory established acceptance limits, do not affect the quality or usability of the data because the recoveries outside of the acceptance limits are indicative of matrix interference. The QAP requirement to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

The QAP specifies that surrogate compounds shall be employed for all organic analyses, but the QAP does not specify acceptance limits for surrogate recoveries. The analytical data associated with the routine quarterly sampling met the requirement specified in the QAP. The information from the Laboratory QA/QC Summary Reports indicates that the surrogate recoveries for all quarterly chloroform samples were within acceptable laboratory limits for all surrogate compounds except as indicated in Tab I. Three surrogate recoveries were above the laboratory established acceptance limits or had a high recovery, indicating a high bias to the individual sample results. A high bias means that reported results may be higher than the actual results. There is no effect on the

quality or usability of the data because there are multiple surrogates added to each sample and all other surrogates were within limits. Furthermore, there are no QAP requirements for surrogate recoveries.

The information from the Laboratory QA/QC Summary Reports indicates that all LCS recoveries were within acceptable laboratory limits for all LCS compounds.

4.0 INTERPRETATION OF DATA

4.1 Interpretation of Groundwater Levels, Gradients and Flow Directions.

4.1.1 Current Site Groundwater Contour Map

As stated above, a listing of groundwater level readings for the current quarter (shown as depth to groundwater in feet) is included under Tab D. The data from this tab has been interpreted (kriged) and plotted in a water table contour map, provided under the same tab.

Also included under Tab D is a groundwater contour map of the Mill site and a more detailed map of a portion of the Mill site where the chloroform pumping wells are located, in each case with hand-drawn stream tubes, depicting hydraulic capture from the pumping.

The water level contour maps indicate that perched water flow ranges from generally southwesterly beneath the Mill site and tailings cells to generally southerly along the eastern and western margins of White Mesa. Perched water mounding associated with the wildlife ponds locally changes the flow patterns. For example, northeast of the Mill site, mounding associated with wildlife ponds results in locally northerly flow near MW-19. Flow directions are also locally influenced by pumping at MW-4, MW-26, TW4-4, TW4-19, and TW4-20. Significant cones of depression have formed in the vicinity of all pumping wells except TW4-4, which began pumping in the first quarter of 2010.

Although pumping at TW4-4 has depressed the water table in the vicinity of TW4-4, a well-defined cone of depression is not evident. The lack of a well-defined cone of depression likely results from 1) variable permeability conditions in the vicinity of TW4-4, and 2) persistent relatively low water levels at adjacent well TW4-14.

Changes in water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping are expected to be muted because TW4-4 is located at a transition from relatively high to relatively low permeability conditions south (downgradient) of TW4-4. The permeability of the perched zone at TW4-6 and TW4-26 is approximately two orders of magnitude lower than at TW4-4. Any drawdown of water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping is also difficult to determine because of a general, long-term increase in water levels in this area. Water levels at TW4-4 and TW4-6 increased by nearly 2.7 and 2.9 feet, respectively, between the fourth quarter of 2007 and the fourth quarter of 2009 (just prior to TW4-4 pumping) at rates of approximately 1.2 feet/year and 1.3 feet/year, respectively. However, the increase in water level at TW4-

6 has been reduced since the start of pumping at TW4-4 (first quarter of 2010) to less than 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4.

The lack of a well-defined cone of depression at TW4-4 is also influenced by the persistent, relatively low water level at non-pumping well TW4-14, located east of TW4-4 and TW4-6. For the current quarter, the water level at TW4-14 (approximately 5526 feet above mean sea level [ft amsl]) is approximately 13 feet lower than the water level at TW4-6 (approximately 5539 ft amsl) and approximately 17 feet lower than at TW4-4 (approximately 5543 ft amsl) even though TW4-4 is pumping.

Recently installed well TW4-27 (located south of TW4-14) has a static water level of approximately 5525 ft amsl, similar to TW4-14. TW4-27 was positioned at a location considered likely to detect any chloroform present and/or to bound the chloroform plume to the southeast and east of TW4-4 and TW4-6.

Prior to the installation of TW4-27, the persistently low water level at TW4-14 was considered anomalous because it appeared to be downgradient of all three wells TW4-4, TW4-6, and TW4-26, yet there is no chloroform at TW4-14. Chloroform had apparently migrated from TW4-4 to TW4-6 and from TW4-6 to TW4-26 which suggested that TW4-26 was actually downgradient of TW4-6, and TW4-6 was actually downgradient of TW4-4, regardless of the flow direction implied by the low water level at TW4-14. The water level at TW4-26 (5538.2 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5538.7 feet amsl), and TW4-23 (5542.6 feet amsl)

Hydraulic tests conducted in November 2011 indicate that the permeability at TW4-27 is an order of magnitude lower than at TW4-6 and three orders of magnitude lower than at TW4-4. The similar water levels at TW4-14 and TW4-27, and the low permeability estimate at TW4-27 suggest that both wells are completed in materials having lower permeability than nearby wells. The low permeability condition likely reduces the rate of long-term water level increase at TW4-14 and TW4-27 compared to nearby wells, yielding water levels that appear anomalously low. The low permeability condition is expected to retard the transport of chloroform to TW4-14 and TW4-27 (compared to nearby wells). As will be discussed in Section 4.2.3, first quarter, 2012 chloroform concentrations at TW4-26 and TW4-27 are similar (7 ug/L at TW4-26 and 9 ug/L at TW4-27) and both are outside the chloroform plume.

4.1.2 Comparison of Current Groundwater Contour Maps to Groundwater Contour Maps for Previous Quarter

The groundwater contour maps for the Mill site for the fourth quarter of 2011, as submitted with the Chloroform Monitoring Report for the fourth quarter of 2011, are attached under Tab E.

A comparison of the water table contour maps for the current (first) quarter of 2012 to the water table contour maps for the previous quarter (fourth quarter of 2011) indicates similar patterns of drawdown related to pumping of MW-4, MW-26, TW4-4, TW4-19 and TW4-20. Water levels and water level contours for the site have not changed significantly since the last quarter, except for a few locations. As discussed in Section

4.1.1, pumping at TW4-4, which began in the first quarter of 2010, has depressed the water table near TW4-4, but a well-defined cone of depression is not yet evident, likely due to variable permeability conditions near TW4-4 and the low water level at adjacent well TW4-14.

Reported increases in water levels of approximately 7 feet occurred in recently installed well TW4-27 and of approximately 5 feet occurred in well MW-37. The increase in water level in TW4-27 is due to the fact that the water level in that well was measured in the fourth quarter of 2011 immediately following development activities prior to complete stabilization of the water level in the well. Reported increases in water levels of approximately 9 feet occurred in pumping well TW4-20 and of approximately 8 feet occurred in pumping well MW-26. The water level changes at pumping wells MW-4, TW4-4, and TW4-19 were less than 5 feet.

Water level fluctuations at pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are due in part to fluctuations in pumping conditions just prior to and at the time the measurements are taken. The largest decrease (increase in drawdown) of approximately 1 foot occurred in well TW4-4 and the largest increase (decrease in drawdown), of approximately 9 feet, occurred in well TW4-20. The reported water level at well MW-37 during the current quarter is similar to the reported third quarter, 2011 water level, and the water level at TW4-27 is similar to that reported at the time of installation. Reported water levels at both wells in the previous quarter were lower than typical.

4.1.3 Hydrographs

Attached under Tab F are hydrographs showing groundwater elevation in each chloroform contaminant investigation monitor well over time.

4.1.4 Depth to Groundwater Measured and Groundwater Elevation

Attached under Tab G are tables showing depth to groundwater measured and groundwater elevation over time for each of the wells listed in Section 2.1.1 above.

4.1.5 Evaluation of the Effectiveness of Hydraulic Capture

Perched water containing chloroform has been removed from the subsurface by pumping MW-4, MW-26, TW4-4, TW4-19, and TW4-20. The primary purpose of the pumping is to reduce total chloroform mass in the perched zone as rapidly as is practical. Pumping wells upgradient of TW4-4 were chosen for pumping because 1) they are located in areas of the perched zone having relatively high permeability and saturated thickness, and 2) high concentrations of chloroform were detected at these locations. The relatively high transmissivity of the perched zone in the vicinity of these pumping wells results in the wells having a relatively high productivity. The combination of relatively high productivity and high chloroform concentrations allows a high rate of chloroform mass removal. TW4-4 is located in a downgradient area having relatively high chloroform concentrations but relatively small saturated thickness, and at a transition from relatively high to relatively low permeability conditions downgradient of TW4-4. As with the other

pumping wells, pumping TW4-4 helps to reduce the rate of chloroform migration in downgradient portions of the plume.

The impact of pumping is indicated by the water level contour maps attached under Tabs D and E. Cones of depression have developed in the vicinity of MW-4, MW-26, TW4-19, and TW4-20 which continue to remove significant quantities of chloroform from the perched zone. The water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of these pumping wells. Overall, the combined capture of MW-4, MW-26, TW4-19, and TW4-20 has not changed significantly (but has decreased slightly) since the last quarter. As noted in Section 4.1.2, decreases in water levels (increases in drawdown) of approximately 1 foot occurred at TW4-4, and an increase in water level (decrease in drawdown) of approximately 9 feet occurred at TW4-20. The decrease in drawdown at TW4-20 has slightly decreased the apparent capture zone of this well compared to the previous quarter. As discussed in Section 4.1.1, the drawdown associated with TW4-4 is likely less apparent due to variable permeability conditions near TW4-4 and the low water level at adjacent well TW4-14.

Chloroform concentrations exceeding 70 $\mu\text{g/L}$ have occurred in the past at some locations downgradient of pumping wells (for example, at TW4-6, located immediately south of TW4-4), where the lower permeability and relatively small saturated thickness of the perched zone significantly limits the rate at which chloroform mass can be removed by pumping. By removing mass and reducing hydraulic gradients, thereby reducing the rate of downgradient chloroform migration, and allowing natural attenuation to be more effective, pumping at the productive, upgradient locations has a beneficial effect on this downgradient chloroform. Pumping at TW4-4 was implemented during the first quarter of 2010 to improve capture in this downgradient area to the extent allowable by the lower productivity conditions presumed to exist in this area. The beneficial effect of pumping TW4-4 is demonstrated by the decrease in chloroform concentrations at TW4-6 from 1000 $\mu\text{g/L}$ to 38 $\mu\text{g/L}$, and at TW4-26 from 13 $\mu\text{g/L}$ to 7 $\mu\text{g/L}$ since pumping began at TW4-4 (although concentrations at these wells have been increasing slightly since reaching lows in the second quarter of 2011). Concentrations at these wells have decreased substantially even though they do not unambiguously appear to be within the hydraulic capture of TW4-4. As discussed in Section 4.1.1, however, the decrease in the long-term rate of water level rise at TW4-6 since pumping began at TW4-4 does suggest that TW4-6 is within the hydraulic influence of TW4-4. Regardless of whether TW4-6 can be demonstrated to be within hydraulic capture of TW4-4, pumping TW4-4 reduces chloroform migration to TW4-6 and TW4-26 by the mechanisms discussed above.

4.2 Review of Analytical Results

4.2.1 Current Chloroform Isoconcentration Map

Included under Tab J of this Report is a current chloroform isoconcentration map for the Mill site.

4.2.2 Chloroform Concentration Trend Data and Graphs

Attached under Tab K are tables summarizing values for all required parameters, chloride, nitrate/nitrite, carbon tetrachloride, chloroform, chloromethane, and methylene chloride, for each well over time.

Attached under Tab L are graphs showing chloroform concentration trends in each monitor well over time.

4.2.3 Interpretation of Analytical Data

Comparing the analytical results to those of the previous quarter, as summarized in the table included under Tab K, the following observations can be made:

- a) Chloroform concentrations have increased by more than 20% in the following wells compared to last quarter: MW-26, TW4-6, TW4-20, and TW4-26;
- b) Chloroform concentrations have decreased by more than 20% in the following wells compared to last quarter: TW4-2, TW4-10, TW4-11, TW4-19, and TW4-22;
- c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-4, TW4-5, TW4-7, TW4-18, and TW4-21;
- d) MW-32, TW4-3, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, TW4-16, TW4-23, and TW4-25 remained non-detect; and
- e) Chloroform concentrations at TW4-24 decreased from 1.2 µg/L to non-detect

As indicated, chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported for the wells during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Wells TW4-2, TW4-6, TW4-10, TW4-11, TW4-19, TW4-20, TW4-22, TW4-26, and MW-26 had changes in concentration greater than 20%. Of the latter, MW-26, TW4-19, and TW4-20 are pumping wells. TW4-2 and TW4-11 are located adjacent to pumping well MW-4; TW4-6 is located adjacent to pumping well TW4-4; TW4-10 is located adjacent to pumping well MW-26; and TW4-22 is adjacent to pumping well TW4-20. Fluctuations in concentrations at pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. The change in concentration at TW4-26 from 5.2 µg/L to 7 µg/L is likely due to its location near the downgradient edge of the plume where changes in upgradient pumping are expected to affect concentrations. It should be noted that although the concentration at TW4-26 has increased slightly since last quarter it is still lower than the 13 µg/L measured at TW4-26 prior to commencement of pumping in TW4-4.

Pumping well TW4-20 had the highest detected chloroform concentration. Since the last quarter, the chloroform concentration in TW4-20 increased from 7,900 µg/L to 11,000 µg/L, the concentration in adjacent pumping well TW4-19 decreased from 2,200 µg/L to 690 µg/L, the concentration in nearby well TW4-21 increased slightly from 390 to 420 µg/L, and the concentration in nearby well TW4-22 decreased from 400 µg/L to 200 µg/L. Wells TW4-23 and TW4-25 remained non-detect for chloroform, and TW4-24 decreased to non-detect. TW4-24, located west of TW4-22, and TW4-25, located north of TW4-21, bound the chloroform plume to the west and north. In addition, the southernmost boundary of the plume remains between TW4-4 and TW4-6 (located just north of southernmost temporary well TW4-26).

The chloroform concentration in TW4-6 increased from 21 µg/L to 38 µg/L. Although the concentration increased, TW4-6 remains outside the chloroform plume boundary. Concentrations at TW4-6 have, since initiation of pumping of TW4-4 in the first quarter of 2010, decreased from 1000 µg/L to 38 µg/L (although concentrations have been increasing from a low of 10 µg/L in the second quarter of 2011). TW4-6, installed in the second quarter of 2000, was the most downgradient temporary perched well prior to installation of temporary well TW4-23 in 2007 and temporary well TW4-26 in the second quarter of 2010. TW4-6 remained outside the chloroform plume between the second quarter of 2000 and the fourth quarter of 2008. TW4-6 likely remained outside the chloroform plume during this time due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. Because TW4-6 is again outside the plume boundary, TW4-6 and TW4-23 bound the chloroform plume to the south. TW4-8, TW4-12, TW4-13, TW4-14, and TW4-27 bound the chloroform plume to the east.

The slow rate of chloroform migration in the vicinity of TW4-6 is demonstrated by comparing the rate of increase in chloroform at this well to the rate of increase in the nearest upgradient well TW4-4. Concentrations at TW4-4 increased from non-detect to more than 2,200 µg/L within only 2 quarters whereas 16 quarters were required for concentrations in TW4-6 to increase from non-detect to only 81 µg/L. This behavior is consistent with hydraulic tests performed at TW4-4, TW4-6, and TW4-26 during the third quarter of 2010 that indicate a nearly two-order-of-magnitude decrease in permeability downgradient of TW4-4. Chloroform migration rates in the vicinity of well TW4-26 and new well TW4-27 are also expected to be relatively low due to upgradient pumping and low permeability conditions.

5.0 LONG TERM PUMP TEST AT MW-4, MW-26, TW4-19, TW4-20, AND TW4-4 OPERATIONS REPORT

5.1 Introduction

As a part of the investigation of chloroform contamination at the Mill site, DUSA has been conducting a Long Term Pump Test on MW-4, TW4-19, MW-26, and TW4-20, and, since January 31, 2010, TW4-4. The purpose of the test is to serve as an interim action that will remove a significant amount of chloroform-contaminated water while

gathering additional data on hydraulic properties in the area of investigation. The following information documents the operational activities during the quarter.

5.2 Pump Test Data Collection

The long term pump test for MW-4 was started on April 14, 2003, followed by the start of pumping from TW4-19 on April 30, 2003, from MW-26 on August 8, 2003, from TW4-20 on August 4, 2005, and from TW4-4 on January 31, 2010. Personnel from Hydro Geo Chem, Inc. were on site to conduct the first phase of the pump test and collect the initial two days of monitoring data for MW-4. DUSA personnel have gathered subsequent water level and pumping data.

Analyses of hydraulic parameters and discussions of perched zone hydrogeology near MW-4 has been provided by Hydro Geo Chem in a separate report, dated November 12, 2001, and in the May 26, 2004 *Final Report on the Long Term Pumping Test*.

Data collected during the quarter included the following:

- Measurement of water levels at MW-4, TW4-19, MW-26, and TW4-20 and, commencing regularly on March 1, 2010, TW4-4, on a weekly basis, and at selected temporary wells and permanent monitoring wells on a monthly basis.
- Measurement of pumping history, including:
 - pumping rates
 - total pumped volume
 - operational and non-operational periods.
- Periodic sampling of pumped water for chloroform and nitrate/nitrite analysis and other constituents.

5.3 Water Level Measurements

Beginning August 16, 2003, the frequency of water level measurements from MW-4, MW-26, and TW4-19 was reduced to weekly. From commencement of pumping TW4-20, and regularly after March 1, 2010 for TW4-4, water levels in these wells have been measured weekly. Depth to groundwater in all other chloroform contaminant investigation wells is monitored monthly. Copies of the weekly Depth to Water monitoring sheets for MW-4, MW-26, TW4-19, TW4-20 and TW4-4 and the monthly Depth to Water monitoring sheets for all of the chloroform contaminant investigation wells are included under Tab C. Monthly depth to water measurements for March are recorded in the Field Data Worksheets included under Tab D.

5.4 Pumping Rates and Volumes

Table 2 summarizes the recovered mass of chloroform by well per quarter and historically since the inception of the chloroform recovery program for the five currently-active pumping wells.

All of the pumping wells do not pump continuously, but are on a delay device. The wells purge for a set amount of time and then shut off to allow the well to recharge. Water from the pumping wells is transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. The pumping rates and volumes for each of the pumping wells are shown in Table 3. No operational problems were observed with the well or pumping equipment during the quarter.

5.5 Mass Removed

Chloroform removal was estimated as of the first quarter 2007. Since that estimation the mass removed by well for each quarter has been compiled in Table 2, indicating that a total of 596.9 pounds of chloroform have been removed to date.

5.6 Inspections

Denison has submitted an *Operations and Maintenance Plan, Chloroform Pumping System, White Mesa Mill, Blanding, Utah*, Revision 2.1 which includes a proposed weekly inspection form to UDEQ for approval on October 25, 2010. Upon approval of that plan, the Mill will commence documenting its required inspections of the operational status of the chloroform pumping wells on the proposed weekly inspection form. Completed inspections for the quarter, recorded on the approved weekly inspection form, will be included in future Chloroform reports upon approval by UDEQ. At the time of the publication of this report, approval of the *Operations and Maintenance Plan, Chloroform Pumping System, White Mesa Mill, Blanding, Utah*, Revision 2.1 had not been received.

Operational problems in the pumping wells are summarized above.

5.7 Conditions That May Affect Water Levels in Piezometers

There no water was added to the any of the wildlife ponds during the quarter.

6.0 CORRECTIVE ACTION REPORT

Necessary corrective actions identified during the current monitoring period are described below.

6.1 Sample/Duplicate Results

Identification and Definition of the Problem

Rinsate and DIFB Chloroform and Chloride Levels

Chloroform is present in the rinsate blanks and chloride is present in the DIFB for this quarter. To address previous nitrate contamination in the nitrate and chloroform sampling programs, an additional rinse with 55-gallons of DI water has previously been added to the decontamination process. DUSA believes that the source for the chloroform present in the rinsate blanks this quarter appears to be related to the increasing volume of DI water used in the rinsate process due to the second 55-gallon rinse of the portable pump with DI water. The chloroform present in the rinsate blanks is present in the DI water and is not the result of inadequate decontamination of the purging pump. The contamination in the DI water is most likely the result of chlorination of the intake water (from the potable water supply source) used for the DI system. At high volume use rates, the DI system appears to be unable to remove all of the chloride introduced with the DI intake (supply) water.

Assignment of Responsibility for Investigation of the Problem

The problem is currently under investigation by the QA Manager.

Investigation and Determination of Cause of the Problem

Rinsate and DIFB Chloroform and Chloride Levels

As discussed above, chloroform is entering the rinsate blanks from the chlorination of the potable water supply used as a feed to the DI system. The DI system is showing signs of breakthrough at times of high usage. To address the issue, the QA manager is working with Mill staff evaluating the best approach to implement upgrades to the DI system to ensure its ability to support the high volume of DI water needed for the rinsate process.

Determination of a Corrective Action to Eliminate the Problem

Rinsate and DIFB Chloroform and Chloride Levels

The contamination in the DI water is most likely the result of chlorination of the intake water used for the DI system. Based on low level detections this quarter, the additional of a second DI rinse in the process is "stressing" the system and causing chloroform contamination. By upgrading the system, it will be able to support the high volume of DI water being pumped through the system.

Assigning and Accepting Responsibility for Implementing the Corrective Action

Rinsate and DIFB Chloroform and Chloride Levels

It will be the joint responsibility of the Director, Compliance and Permitting, and the Mill's sampling staff to implement the changes and to assess the data to determine if it has corrected the problems.

Implementing the Corrective Action and Evaluating Effectiveness

Rinsate and DIFB Chloroform and Chloride Levels

It is expected that chloroform and chloride sources will be eliminated from the DIFBs after the DI system is upgraded to support the high volume of DI water in the system during the rinsate process. An appropriate DI system has been identified. Installation is scheduled to follow construction of other capital improvements in the Mill in late 2012 or early 2013. Data collected after the completion of the system upgrades will determine if any further action is necessary to eliminate rinsate contamination.

Verifying That the Corrective Action Has Eliminated the Problem

Verification that chloroform and chloride contamination has been eliminated will occur upon completion of the system upgrades and receipt of at least the two quarters of data. If chloride contamination persists then additional sources will be researched and the investigation will continue.

6.2 Assessment of Previous Quarter's Corrective Actions

The fourth quarter 2011 report identified corrective actions for sample/duplicate RPD results. During the first quarter of 2012, all analytical results for the sample/duplicate pairs were within the 20% acceptance limits. All results of the RPD test are provided in Tab I.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour maps for the first quarter, 2012 indicate effective capture of water containing high chloroform concentrations in the vicinity of pumping wells MW-4, MW-26, TW4-19, and TW4-20. A well-defined capture zone is not evident at TW4-4. The capture zone associated with TW4-4 is likely obscured by the low water level at adjacent well TW4-14 and the two orders of magnitude decrease in permeability south of TW4-4. However, the decrease in chloroform concentrations at TW4-6 (located downgradient of TW4-4) since the fourth quarter of 2009 is likely related to TW4-4 pumping.

First quarter, 2012 chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Changes in concentration greater than 20% occurred in wells MW-26, TW4-2, TW4-6, TW4-10, TW4-11, TW4-19, TW4-20, TW4-22 and TW4-26; the concentration in well TW4-24 decreased from 1.2 µg/L to non-detect.

Of the wells showing changes in concentration greater than 20%, MW-26, TW4-19, and TW4-20 are pumping wells. TW4-2 and TW4-11 are located adjacent to pumping well MW-4; TW4-6 is located adjacent to pumping well TW4-4; TW4-10 is located adjacent to pumping well MW-26; and TW4-22 is located adjacent to pumping well TW4-20.

Fluctuations in concentrations at pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. Between the current and previous quarters, the concentration in TW4-26, which is the most downgradient temporary well, increased from 5.2 µg/L to 7 µg/L (although still lower than the 13 µg/L measured prior to commencement of pumping at TW4-4. This increase is likely the result of its location near the downgradient edge of the plume where changes in upgradient pumping are expected to affect concentrations.

The highest chloroform concentration (11,000 µg/L) was detected at pumping well TW4-20. Since the last quarter, the chloroform concentration in TW4-20 increased from 7,900 µg/L to 11,000 µg/L, the concentration in adjacent pumping well TW4-19 decreased from 2,200 µg/L to 650 µg/L, the concentration in nearby well TW4-21 increased slightly from 390 to 420 µg/L, and the concentration in nearby well TW4-22 decreased from 400 µg/L to 200 µg/L. Fluctuations in concentrations in these wells are likely related to their location near the suspected former office leach field source area in addition to variations in pumping in TW4-20 and nearby wells. Regardless of these measured fluctuations in chloroform concentrations, sampling of temporary wells TW4-24 (located west of TW4-22) and TW4-25 (located north of TW4-21), indicates these wells remain outside the chloroform plume and thus bound the plume to the west and north. Chloroform was not detected at either TW4-24 or TW4-25.

The chloroform concentration at well TW4-6 increased from 21 µg/L to 38 µg/L. This well has been outside the chloroform plume boundary since the fourth quarter of 2010. In the past, TW4-6 has been both within and outside the plume. From the first quarter of 2009 through the fourth quarter of 2010, TW4-6 was within the plume. Prior to that time, between the time of installation in the second quarter of 2000 and the fourth quarter of 2008, TW4-6 was outside the plume. Although fluctuations in concentrations have occurred, this well likely remained outside the plume between installation in 2000 and the fourth quarter of 2008 due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. The decreases in concentrations at TW4-6 since the fourth quarter of 2009 are likely the result of upgradient pumping, in particular pumping at adjacent well TW4-4 (which commenced in the first quarter of 2010). Chloroform remained non-detect at downgradient temporary well TW4-23. TW4-23 and TW4-6 (with a chloroform concentration of 38 µg/L) bound the chloroform plume to the south. TW4-8, TW4-12, TW4-13, TW4-14, and TW4-27 bound the chloroform plume to the east.

Continued pumping of MW-4, MW-26, TW4-19, and TW4-20 is recommended. Pumping these wells, regardless of any short term fluctuations in concentrations detected at the wells (such as at TW4-20), helps to reduce downgradient chloroform migration by removing chloroform mass and reducing average hydraulic gradients, thereby allowing natural attenuation to be more effective. Continued pumping at TW4-4 is also recommended to improve capture of chloroform to the extent practical in the southern portion of the plume where low permeability conditions exist. The general decrease in chloroform concentrations at TW4-6 from 1000 µg/L to 38 µg/L since the first quarter of 2010 is likely related to pumping at TW4-4. The decrease in the long-term rate of water level rise at TW4-6 since TW4-4 pumping began, which suggests that TW4-6 is within

the hydraulic influence of TW4-4, is consistent with the decrease in chloroform concentrations at TW4-6. However, concentrations at TW4-6 have been increasing somewhat since reaching a low of 10 µg/L in the second quarter of 2011.

8.0 ELECTRONIC DATA FILES AND FORMAT

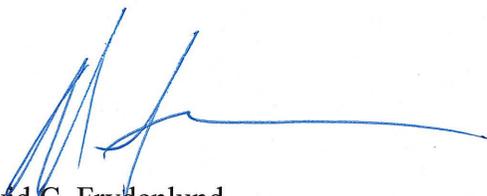
DUSA has provided to the Executive Secretary an electronic copy of all laboratory results for groundwater quality monitoring conducted under the chloroform contaminant investigation during the quarter, in Comma Separated Values (CSV) format. A copy of the transmittal e-mail is included under Tab M.

9.0 SIGNATURE AND CERTIFICATION

This document was prepared by Denison Mines (USA) Corp. on May 30, 2012.

DENISON MINES (USA) CORP.

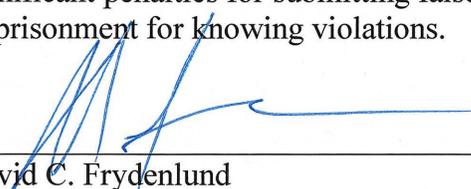
By:



David C. Frydenlund
Vice President, Regulatory Affairs and Counsel

Certification:

I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



David C. Frydenlund
Vice President, Regulatory Affairs and Counsel
Denison Mines (USA) Corp.

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	1/23/2012	2/8/2012
TW4-01	1/19/2012	2/2/2012
TW4-02	1/24/2012	2/8/2012
TW4-03	1/17/2012	2/2/2012
TW4-03R	1/16/2012	2/2/2012
TW4-04	1/23/2012	2/8/2012
TW4-05	1/18/2012	2/2/2012
TW4-06	1/18/2012	2/2/2012
TW4-07	1/19/2012	2/2/2012
TW4-08	1/18/2012	2/2/2012
TW4-09	1/18/2012	2/2/2012
TW4-10	1/19/2012	2/2/2012
TW4-11	1/24/2012	2/8/2012
TW4-11R	1/23/2012	2/8/2012
TW4-12	1/17/2012	2/2/2012
TW4-13	1/17/2012	2/2/2012
TW4-14	1/17/2012	2/2/2012
MW-26	1/23/2012	2/8/2012
MW-26 (Resample)	2/7/2012	2/21/2012
TW4-16	1/18/2012	2/2/2012
MW-32	1/18/2012	2/2/2012
TW4-18	1/19/2012	2/2/2012
TW4-18R	1/18/2012	2/2/2012
TW4-19	1/23/2012	2/8/2012
TW4-20	1/23/2012	2/8/2012
TW4-21	1/19/2012	2/2/2012
TW4-22	1/19/2012	2/2/2012
TW4-23	1/17/2012	2/2/2012
TW4-24	1/18/2012	2/2/2012
TW4-25	1/18/2012	2/2/2012
TW4-25R	1/17/2012	2/2/2012
TW4-26	1/18/2012	2/2/2012
TW4-27	1/24/2012	2/8/2012
TW4-60	1/24/2012	2/8/2012
TW4-65	1/17/2012	2/2/2012
TW4-70	1/19/2012	2/2/2012

All sample locations were sampled for Chloroform, Carbon Tetrachloride, Chloromethane, Methylene Chloride, Chloride and Nitrogen

"R" following a well number designates a rinsate sample collected prior to purging of the well of that number.

TW4-60 is a DI Field Blank, TW4-65 is a duplicate of TW4-23, and TW4-70 is a duplicate of TW4-18.

Highlighted wells are continuously pumped.

Table 2 Chloroform Mass Removal Per Well Per Quarter

Quarter	MW-4 (lbs.)	TW4-15 (MW-26) (lbs.)	TW4-19 (lbs.)	TW4-20 (lbs.)	TW4-4 (lbs.)	Quarter Totals (lbs.)
Q1 2007	36.8	12.9	150.2	87.0	NA	286.9
Q2 2007	1.4	0.1	0.0	2.5	NA	4.0
Q3 2007	2.2	0.8	2.9	3.1	NA	9.0
Q4 2007	1.7	1.0	3.1	4.8	NA	10.6
Q1 2008	1.7	0.4	4.6	7.2	NA	13.8
Q2 2008	1.3	0.5	3.2	9.9	NA	14.8
Q3 2008	1.2	0.3	15.9	9.3	NA	26.8
Q4 2008	1.3	0.3	20.7	0.4	NA	22.7
Q1 2009	1.7	0.4	4.3	3.6	NA	10.0
Q2 2009	6.8	0.2	3.7	2.8	NA	13.5
Q3 2009	1.5	0.4	11.1	5.5	NA	18.5
Q4 2009	4.8	0.6	17.8	26.1	NA	49.4
Q1 2010	0.9	0.4	2.7	0.4	NA	4.5
Q2 2010	1.5	1.0	6.8	5.9	1.4	16.5
Q3 2010	1.3	1.2	2.0	4.9	1.3	10.6
Q4 2010	1.1	0.5	7.7	7.4	1.2	17.9
Q1 2011	1.1	0.2	12.9	9.6	1.1	24.9
Q2 2011	1.2	0.8	5.3	4.6	1.1	13.1
Q3 2011	1.2	0.4	1.1	4.1	1.2	8.1
Q4 2011	1.2	0.8	2.7	4.8	1.4	10.9
Q1 2012	1.1	0.6	0.8	7.0	1.0	10.5
Well Totals (pounds)	72.9	23.8	279.4	210.9	9.8	596.9

Table 3 Chloroform Well Pumping Rates and Volumes

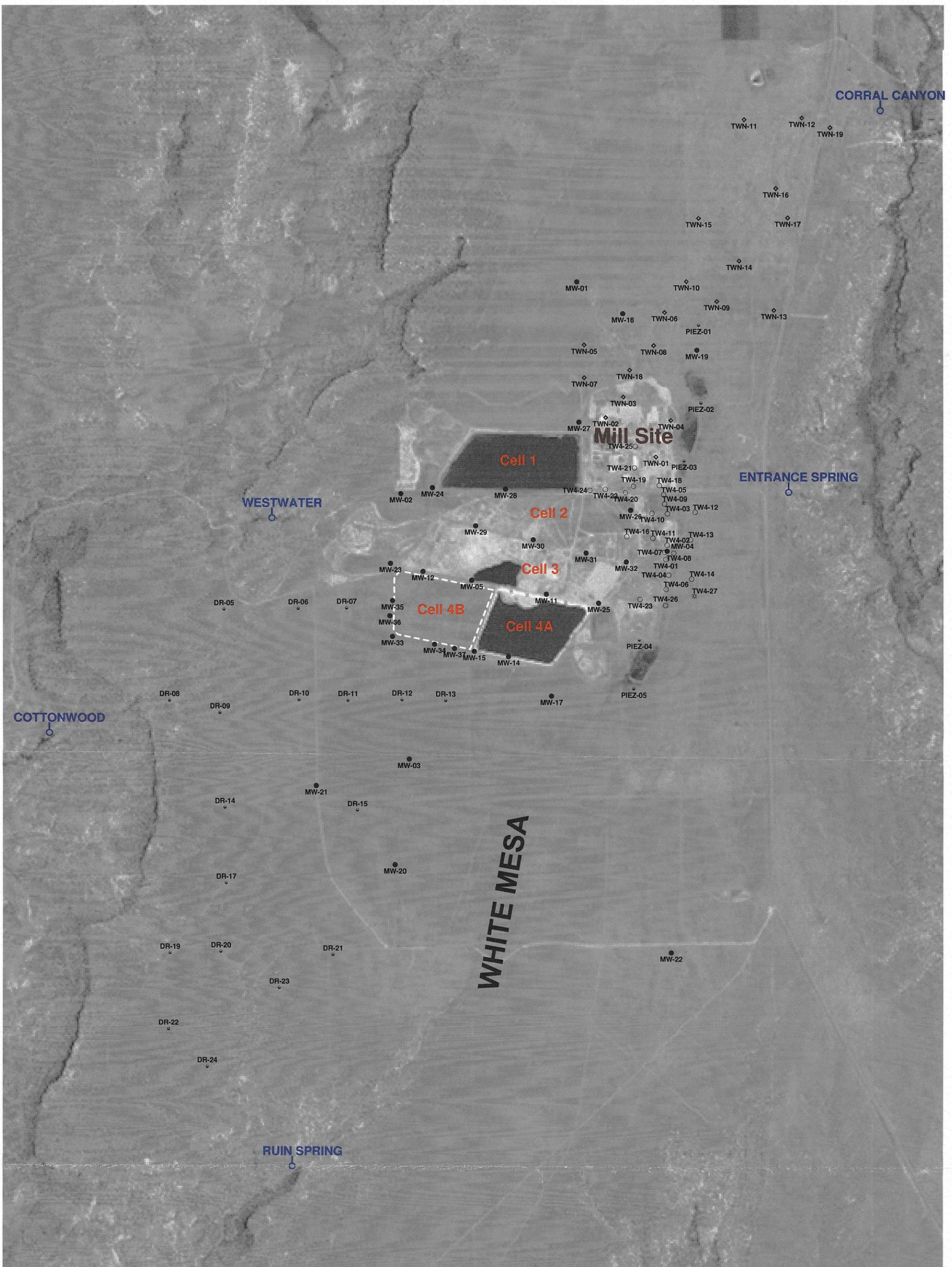
Pumping Well Name	Volume of Water Pumped during the quarter (gals)	Average Pump Rate (gpm)
MW-4	90,376	4.4
MW-26	31,440	11.1
TW4-4	101,617	10
TW4-19	148,747	13.9
TW4-20	76,306	10.6

INDEX OF TABS

- Tab A Site Plan and Perched Well Locations White Mesa Site
- Tab B Order of Sampling and Field Data Worksheets
- Tab C Weekly and Monthly Depth to Water Data
- Tab D Kriged Current Quarter Groundwater Contour Map, Capture Zone Map, Capture Zone Details Map, and Depth to Water Data
- Tab E Kriged Previous Quarter Groundwater Contour Map
- Tab F Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells
- Tab G Depths to Groundwater and Elevations Over Time for Chloroform Monitoring Wells
- Tab H Laboratory Analytical Reports
- Tab I Quality Assurance and Data Validation Tables
 - I-1 Field Data QA/QC Evaluation
 - I-2 Holding Time Evaluation
 - I-3 Receipt Temperature Check
 - I-4 Analytical Method Check
 - I-5 Reporting Limit Evaluation
 - I-6 Trip Blank Evaluation
 - I-7 QA/QC Evaluation for Sample Duplicates
 - I-8 QC Control Limits for Analyses and Blanks
 - I-9 Rinsate Check
- Tab J Kriged Current Quarter Chloroform Isoconcentration Map
- Tab K Analyte Concentration Data Over Time
- Tab L Chloroform Concentration Trend Graphs
- Tab M CSV Transmittal Letter

Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- MW-5 ● perched monitoring well
- TW4-12 ○ temporary perched monitoring well
- TWN-10 ◇ temporary perched nitrate monitoring well
- PIEZ-1 ● perched piezometer
- TW4-27 ☼ temporary perched monitoring well installed October, 2011
- RUIN SPRING ○ seep or spring



**HYDRO
GEO
CHEM, INC.**

**WHITE MESA SITE PLAN
SHOWING LOCATIONS OF PERCHED
WELLS AND PIEZOMETERS**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uwelloc12.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 1st Quarter 2012 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth
1/17/12 TW4-3	0635	ND	3 R 1-15-12 0855		141
TW4-12	0656	ND			101.5
TW4-13	0706	ND			102.5
1/18/12 TW4-14	0717	ND			93
1/18/12 MW-32	0505 1445	ND			130.6 Bladder pump
TW4-23	0728	ND			114
1/18/12 TW4-25	0725	ND	25 R 1-17-12 0850		134.8
TW4-8	0737	ND			125
TW4-9	0745	ND			120
TW4-16	0754	ND			142
TW4-24	0804	1.2			112.5
TW4-26	0814	5.2			86
TW4-5	0824	7.9			120
TW4-6	0831	21			97.5
1/19/12 TW4-18	0647	28	TW4-18 R 1/18/12 0910		137.5
TW4-10	0706	110			111
TW4-21	0721	390			121
TW4-22	0735	400			113.5
TW4-7	0745	1000			120
TW4-1	0754	1300			110
1/24 TW4-11	0749	1500	1/23/12 TW4-11 R 1325		100
1/23 TW4-4	0909 0937	1500			112 Cont. Pumping
1/23 MW4	0923	1600			124 Cont. Pumping
1/23 MW-26	0910	1800			122.5 Cont. Pumping
1/23 TW4-19	1245	2200			125 Cont. Pumping
1/24/12 TW4-2	0800	3900			120
1/23/12 TW4-20	0852	7900			106 Cont. Pumping
1/24/12 TW4-27	0815				
TW4-60	D.I. Blank	1/24/12 0900			
TW4-65	Duplicate	1/17/2012 0728			
TW4-70	Duplicate	1/19/2012 0647			

Comments:

Name: _____

Date: _____



**ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): MW-04 Sampler Name and initials: Tanner Holliday/TJH

Date and Time for Purging 1/23/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Continuous

Sampling Event Quarterly chloroform Prev. Well Sampled in Sampling Event MW-26

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 124.00

Depth to Water Before Purging 70.78 Casing Volume (V) 4" Well: 0 (.653h) 34.75
3" Well: 0 (.367h) 34.75

Conductance (avg) 2033 pH of Water (avg) 6.86

Well Water Temp. (avg) 13.47 Redox Potential (Eh) 181 Turbidity 1.5

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<u>0922</u>	Gal. Purged	
Conductance	<u>2033</u>	pH	<u>6.86</u>
Temp. °C	<u>13.47</u>		
Redox Potential Eh (mV)	<u>181</u>		
Turbidity (NTU)	<u>1.5</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0916. Tanner and Garrin present for sampling event. Samples were collected at 0923. water was clear. Left site at 0926.

Do not touch this cell (SheetName)



ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter chloroform 2012

Location (well name): TW4-01 Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging 1/18/2012 and Sampling (if different) 1/19/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-07

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01 ft): 110.00

Depth to Water Before Purging 64.25 Casing Volume (V) 4" Well: 29.87 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2214 pH of Water (avg) 6.37

Well Water Temp. (avg) 14.43 Redox Potential (Eh) 273 Turbidity 401

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 2°

Time	_____	Gal. Purged	_____
Conductance	_____	pH	_____
Temp. °C	_____		
Redox Potential Eh (mV)	_____		
Turbidity (NTU)	_____		

Time	_____	Gal. Purged	_____
Conductance	_____	pH	_____
Temp. °C	_____		
Redox Potential Eh (mV)	_____		
Turbidity (NTU)	_____		

Time	<u>1407</u>	Gal. Purged	<u>55</u>
Conductance	<u>2214</u>	pH	<u>6.37</u>
Temp. °C	<u>14.43</u>		
Redox Potential Eh (mV)	<u>273</u>		
Turbidity (NTU)	<u>401</u>		

Time	_____	Gal. Purged	_____
Conductance	_____	pH	_____
Temp. °C	_____		
Redox Potential Eh (mV)	_____		
Turbidity (NTU)	_____		

G:\QAP rev6 11/02/2010 / G:\QAP rev6.3\template-[756] - Printed 12/6/2011 9:03 PM from ENC02B0038
 01 2364

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 =

Time to evacuate two casing volumes (2V)
T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

See instruction

Comment

Arrived on site at 1358. Tanner Holliday and Garrin present for purge. Purge began at 1401. Purged well for a total of 5 minutes. Purged well dry. Water was really murky. Purge ended at 1406. Left site at 1410

Arrived on site at 0748. Tanner and Garrin present to collect samples. Depth to water was 64.45. Samples were bailed at 0754. Left site at 0756

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-02

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/23/2012

and Sampling (if different): 1/24/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 67.03

Casing Volume (V) 4" Well: 34.58 (.653h)
 3" Well: 0 (.367h)

Conductance (avg): 3371

pH of Water (avg): 6.71

Well Water Temp. (avg): 14.14

Redox Potential (Eh): 275

Turbidity: 130

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 10

Time	<u>1420</u>	Gal. Purged	<u>44</u>
Conductance	<u>3371</u>	pH	<u>6.71</u>
Temp. °C	<u>14.14</u>		
Redox Potential Eh (mV)	<u>275</u>		
Turbidity (NTU)	<u>130</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1413. Tanner and Garrin present for purge. Purge began at 1416. Purged well for a total of 4 minutes. Purged well dry! water was murky. Purge ended at 1420. Left site at 1423

Arrived on site at 0753, Tanner and Garrin present to collect samples. Depth to water was 67.18 samples were bailed at 0800 Left site at 0802

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-03 R Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/16/2012 and Sampling (if different) 1/16/2012 N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event N/A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 0

Depth to Water Before Purging 0 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 0.5 pH of Water (avg) 6.20

Well Water Temp. (avg) 11.05 Redox Potential (Eh) 306 Turbidity 0

Weather Cond. cloudy Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>0853</u>	Gal. Purged	<u>180</u>
Conductance	<u>0.5</u>	pH	<u>6.20</u>
Temp. °C	<u>11.05</u>		
Redox Potential Eh (mV)	<u>306</u>		
Turbidity (NTU)	<u>0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0830. Tanner and Garrin present for rinsate. Rinsate began at 0835. Pumped 50 Gallons of Acid water, 50 Gallons of Soap water and 100 Gallons of DI water. Rinsate ended and samples were ~~got~~ collected at 0855. Left site at 0900

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-04 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/23/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Continuous

Sampling Event Quarterly chloroform Prev. Well Sampled in Sampling Event MW-04

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 112.00

Depth to Water Before Purging 70.00 Casing Volume (V) 4" Well: 27.42 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2426 pH of Water (avg) 6.73

Well Water Temp. (avg) 13.55 Redox Potential (Eh) 226 Turbidity 26.8

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<u>0936</u>	Gal. Purged	<u>0</u>
Conductance	<u>2426</u>	pH	<u>6.73</u>
Temp. °C	<u>13.55</u>		
Redox Potential Eh (mV)	<u>226</u>		
Turbidity (NTU)	<u>26.8</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0927. Tanner and Garrin present for sampling event.
 Samples were collected at 0937, water was mostly clear.
 Left site at 0940

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-05 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/17/2012 and Sampling (if different) 1/18/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-26

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 120.00

Depth to Water Before Purging 56.06 Casing Volume (V) 4" Well: 41.75 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1548 pH of Water (avg) 6.52

Well Water Temp. (avg) 14.86 Redox Potential (Eh) 322 Turbidity 986

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>1358</u>	Gal. Purged	<u>66</u>
Conductance	<u>1550</u>	pH	<u>6.52</u>
Temp. °C	<u>14.86</u>		
Redox Potential Eh (mV)	<u>323</u>		
Turbidity (NTU)	<u>980</u>		

Time	<u>1359</u>	Gal. Purged	<u>77</u>
Conductance	<u>1548</u>	pH	<u>6.52</u>
Temp. °C	<u>14.86</u>		
Redox Potential Eh (mV)	<u>323</u>		
Turbidity (NTU)	<u>981</u>		

Time	<u>1400</u>	Gal. Purged	<u>88</u>
Conductance	<u>1548</u>	pH	<u>6.52</u>
Temp. °C	<u>14.86</u>		
Redox Potential Eh (mV)	<u>322</u>		
Turbidity (NTU)	<u>990</u>		

Time	<u>1401</u>	Gal. Purged	<u>99</u>
Conductance	<u>1548</u>	pH	<u>6.52</u>
Temp. °C	<u>14.86</u>		
Redox Potential Eh (mV)	<u>322</u>		
Turbidity (NTU)	<u>996</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1349. Tanner and Garrin present for purge. Purge began at 1352. Purged well for 9 minutes. Water was a milky white color. Purge ended at 1401. Depth to water was 58.41. Left site at 1404
 Arrived on site at 0818. Tanner and Garrin present to collect samples. Depth to water was 56.21 Samples were bailed at 0824. Left site at 0826

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform

Location (well name): TW4-06 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/17/2012 and Sampling (if different) 1/18/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-05

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 97.50

Depth to Water Before Purging 70.20 Casing Volume (V) 4" Well: 17.82 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3843 pH of Water (avg) 6.39

Well Water Temp. (avg) 13.47 Redox Potential (Eh) 322 Turbidity 711

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>1442</u>	Gal. Purged	<u>22</u>
Conductance	<u>3843</u>	pH	<u>6.39</u>
Temp. °C	<u>13.47</u>		
Redox Potential Eh (mV)	<u>322</u>		
Turbidity (NTU)	<u>711</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1436. Tanner and Garrin present for purge. Purge began at 1440
 Purged well for a total of 2 minutes. Purged well dry. water was dirty with
 a brown discolor. Purge ended at 1442. Left site at 1445
 Arrived on site at 0827. Tanner and Garrin present to collect samples. Depth to water
 was 70.42. Samples were bailed at 0831. Left site at 0834

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-07 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/18/2012 and Sampling (if different) 1/19/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-22

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 120.00

Depth to Water Before Purging 67.75 Casing Volume (V) 4" Well: 34.11 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1579 pH of Water (avg) 6.93

Well Water Temp. (avg) 14.36 Redox Potential (Eh) 207 Turbidity 74

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 3°

Time	<u>1317</u>	Gal. Purged	<u>55</u>
Conductance	<u>1579</u>	pH	<u>6.93</u>
Temp. °C	<u>14.36</u>		
Redox Potential Eh (mV)	<u>207</u>		
Turbidity (NTU)	<u>74</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1310. Tanner and Garrin present for purge. Purge began at 1312. Purged well for a total of 5 minutes. Purged well dry! water was mostly clear. Purge ended at 1317. Left site at 1320
 Arrived on site at 0738. Tanner and Garrin present to collect samples. Depth to water was 68.65 samples were bailed at 0745. Left site at 0747

Do not touch this cell (SheetName)



**ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/17/2012

and Sampling (if different): 1/18/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 66.75

Casing Volume (V) 4" Well: 38.03 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3310

pH of Water (avg): 6.78

Well Water Temp. (avg): 14.33

Redox Potential (Eh): 163

Turbidity: 75

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): -5°

Time	<u>0952</u> <u>0952</u>	Gal. Purged	<u>55</u>
Conductance	<u>3314</u>	pH	<u>6.77</u>
Temp. °C	<u>14.28</u>		
Redox Potential Eh (mV)	<u>174</u>		
Turbidity (NTU)	<u>76</u>		

Time	<u>0953</u> <u>0953</u>	Gal. Purged	<u>66</u>
Conductance	<u>3313</u>	pH	<u>6.77</u>
Temp. °C	<u>14.30</u>		
Redox Potential Eh (mV)	<u>160</u>		
Turbidity (NTU)	<u>75</u>		

Time	<u>0954</u> <u>0954</u>	Gal. Purged	<u>77</u>
Conductance	<u>3308</u>	pH	<u>6.80</u>
Temp. °C	<u>14.38</u>		
Redox Potential Eh (mV)	<u>158</u>		
Turbidity (NTU)	<u>75</u>		

Time	<u>0955</u> <u>0955</u>	Gal. Purged	<u>88</u>
Conductance	<u>3307</u>	pH	<u>6.81</u>
Temp. °C	<u>14.39</u>		
Redox Potential Eh (mV)	<u>156</u>		
Turbidity (NTU)	<u>74</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Chloride</u>								

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0944 Tanner and Garrin present for purge. Purge began at 0847
 Purged well for a total of 8 minutes. water was murky. Purge ended at 0855 0947
 Depth to water was 78.70. Left site at 0959
 Arrived on site at 0730. Tanner and Garrin present to collect samples. Depth to
 water was 67.20. Samples were bailed at 0737. Left site at 0739

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday JH

Date and Time for Purging: 1/17/2012

and Sampling (if different) 1/18/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-08

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 54.10

Casing Volume (V) 4" Well: 43.03 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2413

pH of Water (avg) 6.59

Well Water Temp. (avg) 14.52

Redox Potential (Eh) 257

Turbidity 941

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) -4°

Time	<u>1034</u>	Gal. Purged	<u>66</u>
Conductance	<u>2408</u>	pH	<u>6.59</u>
Temp. °C	<u>14.51</u>		
Redox Potential Eh (mV)	<u>257</u>		
Turbidity (NTU)	<u>941</u>		

Time	<u>1035</u>	Gal. Purged	<u>77</u>
Conductance	<u>2413</u>	pH	<u>6.60</u>
Temp. °C	<u>14.52</u>		
Redox Potential Eh (mV)	<u>257</u>		
Turbidity (NTU)	<u>943</u>		

Time	<u>1036</u>	Gal. Purged	<u>88</u>
Conductance	<u>2415</u>	pH	<u>6.60</u>
Temp. °C	<u>14.52</u>		
Redox Potential Eh (mV)	<u>257</u>		
Turbidity (NTU)	<u>941</u>		

Time	<u>1037</u>	Gal. Purged	<u>99</u>
Conductance	<u>2419</u>	pH	<u>6.60</u>
Temp. °C	<u>14.53</u>		
Redox Potential Eh (mV)	<u>257</u>		
Turbidity (NTU)	<u>939</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1026 Tanner and Garrin present to purge well. Purge began at 1028
 Purged well for a total of 9 minutes. water a milky white color. Purge ended at 1037
 Depth to water was 72.03. Left site at 1039
 Arrived on site at 0740. Tanner and Garrin present to collect samples. Depth to water was 54.13 samples were bailed at 0745. Left site at 0747

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-10 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/18/2012 and Sampling (if different) 1/19/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-18

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm Well Depth(0.01ft): 111.00

Depth to Water Before Purging 55.83 Casing Volume (V) 4" Well: 36.02 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2598 pH of Water (avg) 5.83

Well Water Temp. (avg) 12.18 Redox Potential (Eh) 315 Turbidity 113.8

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -1°

Time	<u>1034</u>	Gal. Purged	<u>44</u>
Conductance	<u>2598</u>	pH	<u>5.83</u>
Temp. °C	<u>12.18</u>		
Redox Potential Eh (mV)	<u>315</u>		
Turbidity (NTU)	<u>113.8</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1026 Tanner and Garrin present for purge. Purge began at 1030
 Purged well for 4 minutes. Purged well dry! water was murky. Purge ended at 1034.
 Left site at 1037. ~~Depth to water was~~
 Arrived on site at 0701. Tanner and Garrin present to collect samples
 Depth to water was 55.92. Samples were bailed at 0706.
 Left site at 0708

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-11 Sampler Name and initials: Tanner Holliday TH

Date and Time for Purging 1/23/2012 and Sampling (if different) 1/24/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-11R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 100.00

Depth to Water Before Purging 57.05 Casing Volume (V) 4" Well: 28.04 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 1564 pH of Water (avg) 6.82

Well Water Temp. (avg) 13.36 Redox Potential (Eh) 262 Turbidity 42.8

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>1346</u>	Gal. Purged	<u>55</u>
Conductance	<u>1564</u>	pH	<u>6.82</u>
Temp. °C	<u>13.36</u>		
Redox Potential Eh (mV)	<u>262</u>		
Turbidity (NTU)	<u>42.8</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>Chloride</i>								

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1337 Tanner and Garrin present for purge. Purge began at 1341. Purged well for a total of 5 minutes. Purged well dry! water was a little murky but mostly clear. Purge ended at 1346. Left site at 1349

Arrived on site at 0743. Tanner and Garrin present to collect samples. Depth to water was 57.95. Samples were bailed at 0749. Left site at 0753

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-11 R Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/23/2012 and Sampling (if different): N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: TW4-19

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm Well Depth(0.01ft): 0

Depth to Water Before Purging: 0 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 0 (.367h)

Conductance (avg): 1.9 pH of Water (avg): 6.91

Well Water Temp. (avg): 4.44 Redox Potential (Eh): 208 Turbidity: 1.0

Weather Cond.: Cloudy Ext'l Amb. Temp. °C (prior sampling event): 1°

Time	<u>1323</u>	Gal. Purged	<u>180</u>
Conductance	<u>1.9</u>	pH	<u>6.91</u>
Temp. °C	<u>4.44</u>		
Redox Potential Eh (mV)	<u>208</u>		
Turbidity (NTU)	<u>1.0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1257. Tanner and Garrin present for rinsate. Rinsate began at 1305, Tanner pumped 50 Gallons of Acid water 50 Gallons of Soap water, 100 Gallons of DI water. Rinsate ended and samples were collected at 1325. Left site at 1330

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-12 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/16/2012 and Sampling (if different) 1/17/2012
1/16/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-03

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm Well Depth(0.01ft): 101.50

Depth to Water Before Purging 40.00 Casing Volume (V) 4" Well: 40.15 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1002 pH of Water (avg) 7.07

Well Water Temp. (avg) 14.31 Redox Potential (Eh) 291 Turbidity 18

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 0°

Time	<u>1158</u>	Gal. Purged	<u>55</u>
Conductance	<u>1003</u>	pH	<u>7.07</u>
Temp. °C	<u>14.30</u>		
Redox Potential Eh (mV)	<u>292</u>		
Turbidity (NTU)	<u>18</u>		

Time	<u>1159</u>	Gal. Purged	<u>66</u>
Conductance	<u>1003</u>	pH	<u>7.07</u>
Temp. °C	<u>14.31</u>		
Redox Potential Eh (mV)	<u>291</u>		
Turbidity (NTU)	<u>18.1</u>		

Time	<u>1200</u>	Gal. Purged	<u>77</u>
Conductance	<u>1002</u>	pH	<u>7.08</u>
Temp. °C	<u>14.32</u>		
Redox Potential Eh (mV)	<u>291</u>		
Turbidity (NTU)	<u>18.2</u>		

Time	<u>1201</u>	Gal. Purged	<u>88</u>
Conductance	<u>1002</u>	pH	<u>7.08</u>
Temp. °C	<u>14.33</u>		
Redox Potential Eh (mV)	<u>290</u>		
Turbidity (NTU)	<u>18.2</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1150. Tanner and Garrin present for purge. purge began at 1153
 Purged well for a total of 8 minutes. Purge ended at 1201. water was mostly clear.
 Left site at 1203, Depth to water was 54.91
 Arrived on site at 0650. Tanner and Garrin present to collect samples. Depth to water was 40.35 samples were bailed at 0656. Left site at 0658

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/16/2012

and Sampling (if different): 1/17/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 102.50

Depth to Water Before Purging: 48.70

Casing Volume (V) 4" Well: 35.13 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1609

pH of Water (avg): 7.01

Well Water Temp. (avg): 14.53

Redox Potential (Eh): 291

Turbidity: 39.9

Weather Cond.: Cloudy and Windy

Ext'l Amb. Temp. °C (prior sampling event): 0°

Time	<u>1246</u>	Gal. Purged	<u>44</u>
Conductance	<u>1609</u>	pH	<u>7.01</u>
Temp. °C	<u>14.53</u>		
Redox Potential Eh (mV)	<u>291</u>		
Turbidity (NTU)	<u>39.9</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="text" value="Chloride"/>								

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1239. Tanner and Garrin present for purge. Purge began at 1242
 Purged well for a total of 4 minutes. Purged well dry. Water was mostly clear.
 Purge ended at 1246. Left site at 1249.
 Arrived on site at 0701. Tanner and Garrin present to collect samples Depth to water was 46.45 samples were bailed at 0706. Left site at 0708

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-14 Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging 1/16/2012 and Sampling (if different) 1/17/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-13

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 93.00

Depth to Water Before Purging 86.95 Casing Volume (V) 4" Well: 3.95 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 568.9 pH of Water (avg) 7.05

Well Water Temp. (avg) 12.16 Redox Potential (Eh) 296 Turbidity 34.9

Weather Cond. Cloudy and Windy Ext'l Amb. Temp. °C (prior sampling event) 0°

Time	<u>1325</u>	Gal. Purged	<u>2.75</u>
Conductance	<u>568.9</u>	pH	<u>7.05</u>
Temp. °C	<u>12.16</u>		
Redox Potential Eh (mV)	<u>296</u>		
Turbidity (NTU)	<u>34.9</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1322. Tanner and Garrin present for purge. Purge began at 1325. Purged well for 15 seconds. Purged well dry. Purge ended at 1325. Water was clear. Left site at 1328

Arrived on site at 0711. Tanner and Garrin present to collect samples. Depth to water was 86.90 samples were bailed at 0717. Left site at 0719

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday / TH

Date and Time for Purging 1/23/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) Continuous

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-20

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 122.50

Depth to Water Before Purging 62.60

Casing Volume (V) 4" Well: 39.11 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3480

pH of Water (avg) 6.62

Well Water Temp. (avg) 13.26

Redox Potential (Eh) 206

Turbidity 1.0

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<u>0909</u>	Gal. Purged	
Conductance	<u>3480</u>	pH	<u>6.62</u>
Temp. °C	<u>13.26</u>		
Redox Potential Eh (mV)	<u>206</u>		
Turbidity (NTU)	<u>1.0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0900. Tanner and Garrin present for sampling event. Samples were collected at 0910. water was clear. Left site at 0912

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1

See instruction

Description of Sampling Event: ~~2/7/2012~~ 2012 Resample

Location (well name): MW-26 and initials: Tanner Holliday/TH

Date and Time for Purging: 2/7/2012 and Sampling (if different): N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): Continuous

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 μMHOS/cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 59.55 Casing Volume (V) 4" Well: 40.34 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3569 pH of Water (avg): 6.77

Well Water Temp. (avg): 14.39 Redox Potential (Eh): 304 Turbidity: 0

Weather Cond.: Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event): 2°

Time	1354	Gal. Purged	0
Conductance	3569	pH	6.77
Temp. °C	304	14.39	
Redox Potential Eh (mV)	304		
Turbidity (NTU)	0		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

91-2144-2-158 - DR-QAP revs 11/02/05 / DR-QAP revs 7/Temp/06 (747) - Printed 12/6/2011 5:02 PM from ENC0200010

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

See instruction

Comment

Arrived on site at 1348. Tanner and Garrin present to collect samples
 Samples were collected at 1355. water was clear. Left site at 1358

Do not touch this cell (SheetName)

01-3146-A-159 CR-QAP 12/4/2003 5:01 PM E:\m\mch...



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday / TH

Date and Time for Purging: 1/17/2012

and Sampling (if different): 1/18/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-09

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 142.00

Depth to Water Before Purging: 61.10

Casing Volume (V) 4" Well: 52.82 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3595

pH of Water (avg): 6.65

Well Water Temp. (avg): 13.97

Redox Potential (Eh): 192

Turbidity: 215

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): -1°

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>1206</u>	Gal. Purged	<u>110</u>
	<u>1206</u>		<u>110</u>
Conductance	<u>3595</u>	pH	<u>6.65</u>
Temp. °C	<u>13.97</u>		
Redox Potential Eh (mV)	<u>192</u>		
Turbidity (NTU)	<u>215</u>		

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

QAP rev. 11/30/10 / QAP rev. J-Template-1794 - Printed 12/14/2011 5:09 PM from INCI020014 01.1346

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologies	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

See instruction

Comment

Arrived on site at 1153 Tanner and Garrin present for purge. Purge began at 1156. Purged well for a total of ~~12~~ 10 minutes. Purged well dry! water was dirty. Purge ended at 1206 Left site at 1209
Arrived on site at 0749. Tanner and Garrin present to collect samples. Depth to water was 61.45 samples were bailed at 0754 left site at 0756

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): MW-32 Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging 1/18/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) QED

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-06

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 132.50

Depth to Water Before Purging 75.50 Casing Volume (V) 4" Well: 37.22 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 4067 pH of Water (avg) 6.42

Well Water Temp. (avg) 13.95 Redox Potential (Eh) 166 Turbidity 16

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) -3°

Time	<u>1440</u>	Gal. Purged	<u>117.18</u> 73.78 <u>74.86</u>
Conductance	<u>4077</u>	pH	<u>6.42</u>
Temp. °C	<u>13.94</u>		
Redox Potential Eh (mV)	<u>167</u>		
Turbidity (NTU)	<u>16.1</u>		

Time	<u>1441</u>	Gal. Purged	<u>117</u> 73.99
Conductance	<u>4064</u>	pH	<u>6.43</u>
Temp. °C	<u>13.95</u>		
Redox Potential Eh (mV)	<u>167</u>		
Turbidity (NTU)	<u>16</u>		

Time	<u>1442</u>	Gal. Purged	<u>74.2</u>
Conductance	<u>4067</u>	pH	<u>6.43</u>
Temp. °C	<u>13.95</u>		
Redox Potential Eh (mV)	<u>167</u>		
Turbidity (NTU)	<u>16</u>		

Time	<u>1443</u>	Gal. Purged	<u>74.43</u>
Conductance	<u>4063</u>	pH	<u>6.43</u>
Temp. °C	<u>13.96</u>		
Redox Potential Eh (mV)	<u>166</u>		
Turbidity (NTU)	<u>15.8</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0855. Tanner Holliday present for purge and sampling event. Purge began at 0900, Purged well for a total of 345 minutes. Water was mostly clear but does have a slight discolor. Purge ended and samples were collected at 1445. Depth to water was 81.40. Left site at 1451.

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-18 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/18/2012 and Sampling (if different) 1/19/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-18R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 137.50

Depth to Water Before Purging 56.70 Casing Volume (V) 4" Well: 52.76 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2036 pH of Water (avg) 6.34

Well Water Temp. (avg) 14.87 Redox Potential (Eh) 295 Turbidity 631

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<u>0952</u>	Gal. Purged	<u>88</u>
Conductance	<u>2053</u>	pH	<u>6.38</u>
Temp. °C	<u>14.79</u>		
Redox Potential Eh (mV)	<u>295</u>		
Turbidity (NTU)	<u>625</u>		

Time	<u>0953</u>	Gal. Purged	<u>99</u>
Conductance	<u>2051</u>	pH	<u>6.35</u>
Temp. °C	<u>14.85</u>		
Redox Potential Eh (mV)	<u>295</u>		
Turbidity (NTU)	<u>630</u>		

Time	<u>0954</u>	Gal. Purged	<u>110</u>
Conductance	<u>2031</u>	pH	<u>6.33</u>
Temp. °C	<u>14.92</u>		
Redox Potential Eh (mV)	<u>295</u>		
Turbidity (NTU)	<u>632</u>		

Time	<u>0955</u>	Gal. Purged	<u>121</u>
Conductance	<u>2011</u>	pH	<u>6.32</u>
Temp. °C	<u>14.92</u>		
Redox Potential Eh (mV)	<u>296</u>		
Turbidity (NTU)	<u>640</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0941. Tanner and Garrin present for purge. Purge began at 0944 Purged well for a total of 11 minutes. water was really murky. Purge ended at 0955. Depth to water was 57.85 Left site at 0958

Arrived on site at 0639, Tanner and Garrin present to collect samples. Depth to water was 57.35. Samples were bailed at 0647. Left site at 0650.

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-18R Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/18/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event MW-32

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 0

Depth to Water Before Purging 0 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 1.1 pH of Water (avg) 5.79

Well Water Temp. (avg) 5.74 Redox Potential (Eh) 339 Turbidity 0

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) -3°

Time	<u>0908</u>	Gal. Purged	<u>180</u>
Conductance	<u>1.1</u>	pH	<u>5.79</u>
Temp. °C	<u>5.74</u>		
Redox Potential Eh (mV)	<u>339</u>		
Turbidity (NTU)	<u>0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0846. Tanner and Garrin present for rinsate. Rinsate started at 0850 Pumped 50 Gallons of Acid water, 50 Gallons of soap water, 100 Gallons of DI water. Rinsate ended and samples were collected at 0910. Left site at 0913

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-19 Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging 1/23/2012 and Sampling (if different) NA

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Continuous

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-04

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm Well Depth(0.01ft): 125.00

Depth to Water Before Purging 58.80 Casing Volume (V) 4" Well: 43.22 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2983 pH of Water (avg) 6.79

Well Water Temp. (avg) 13.58 Redox Potential (Eh) 242 Turbidity 2.7

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>1244</u>	Gal. Purged	<u>0</u>
Conductance	<u>2983</u>	pH	<u>6.79</u>
Temp. °C	<u>13.58</u>		
Redox Potential Eh (mV)	<u>242</u>		
Turbidity (NTU)	<u>2.7</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1239. Tanner and Garrin present for sampling event. Samples were collected at 1245. water was clear. Left site at 1247

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-20
TW4-20

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/23/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) Grundfos continuous

Sampling Event Quarterly

Prev. Well Sampled in Sampling Event TW4-1

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging 63.00

Casing Volume (V) 4" Well: 28.07 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3345

pH of Water (avg) 6.44

Well Water Temp. (avg) 15.15

Redox Potential (Eh) 227

Turbidity 22.1

Weather Cond. cloudy

Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<u>0851</u>	Gal. Purged	
Conductance	<u>3345</u>	pH	<u>6.44</u>
Temp. °C	<u>15.15</u>		
Redox Potential Eh (mV)	<u>227</u>		
Turbidity (NTU)	<u>22.1</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0847. Tanner and Garrin present for sampling event. Samples were collected at 0852. Left site at 0855 water had a few little brown particles in it.

Do not touch this cell (SheetName)



ATTACHMENT I
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment I
See instruction

Description of Sampling Event: 1st Quarter chloroform 2012

Location (well name): TW4-21

Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging: 1/18/2012

and Sampling (if different): 1/19/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly chloroform

Prev. Well Sampled in Sampling Event: TW4-10

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 121.00

Depth to Water Before Purging: 54.17

Casing Volume (V) 4" Well: 43.63 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3571

pH of Water (avg): 6.90

Well Water Temp. (avg): 15.64

Redox Potential (Eh): 303

Turbidity: 12

Weather Cond.: Partly cloudy

Ext'l Amb. Temp. °C (prior sampling event): 10

Time	<u>1157</u>	Gal. Purged	<u>66</u>
Conductance	<u>3577</u>	pH	<u>6.90</u>
Temp. °C	<u>15.63</u>		
Redox Potential Eh (mV)	<u>304</u>		
Turbidity (NTU)	<u>12</u>		

Time	<u>1158</u>	Gal. Purged	<u>77</u>
Conductance	<u>3574</u>	pH	<u>6.90</u>
Temp. °C	<u>15.64</u>		
Redox Potential Eh (mV)	<u>304</u>		
Turbidity (NTU)	<u>12.1</u>		

Time	<u>1159</u>	Gal. Purged	<u>88</u>
Conductance	<u>3569</u>	pH	<u>6.90</u>
Temp. °C	<u>15.64</u>		
Redox Potential Eh (mV)	<u>303</u>		
Turbidity (NTU)	<u>12</u>		

Time	<u>1200</u>	Gal. Purged	<u>99</u>
Conductance	<u>3565</u>	pH	<u>6.91</u>
Temp. °C	<u>15.65</u>		
Redox Potential Eh (mV)	<u>303</u>		
Turbidity (NTU)	<u>11.9</u>		

81.1364 / GH-QAP rev6 11/02/010 / GH-QAP rev6 3-Template-1/05 - Printed 12/6/2010 8:02 PM from 8003252010

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

See instruction

Comment

Arrived on site at 1147. Tanner and Garrin present for purge. Purge began at 1151 Purged well for a total of 9 minutes. water was clear throughout the purge. Purge ended at 1200. Left site at 1203. Depth to water was 71.20
 Arrived on site at 0716. Tanner and Garrin present to collect samples. Depth to water was 53.81. Samples were bailed at 0721. Left site at 0723

Do not touch this cell (SheetName)



ATTACHMENT I
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment I
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-22

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/18/2012

and Sampling (if different): 1/19/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-21

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 113.50

Depth to Water Before Purging: 53.65

Casing Volume (V) 4" Well: 39.08 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 5301

pH of Water (avg): 6.95

Well Water Temp. (avg): 14.92

Redox Potential (Eh): 293

Turbidity: 25.1

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 1°

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>1234</u>	Gal. Purged	<u>66</u>
Conductance	<u>5301</u>	pH	<u>6.95</u>
Temp. °C	<u>14.92</u>		
Redox Potential Eh (mV)	<u>293</u>		
Turbidity (NTU)	<u>25.1</u>		

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	 	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

01.114 - GR-QAP rev6 11/02/10 / GR-QAP rev6.3-Template-[754] - Printed 12/6/2011 8:03 AM from 8000208038

Volume of Water Purged gallon(s)

Pumping Rate Calculation

66

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

Comment

See instruction

Arrived on site at 1225. Tanner and Garrin present for purge. Purge began at 1228
 Purged well for a total of 6 minutes water was mostly clear throughout the purge.
 Purge ended at ~~1236~~ 1234. Depth to water was 113.00 Left site at 1240. Purged well dry

Arrived on site at 0727. Tanner and Garrin present to collect samples. Depth to water was 53.50. Samples were bailed at 0735. Left site at 0737

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/16/2012

and Sampling (if different) 1/17/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging 64.70

Casing Volume (V) 4" Well: 32.19 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3766

pH of Water (avg) 6.43

Well Water Temp. (avg) 13.80

Redox Potential (Eh) 175

Turbidity 62.3

Weather Cond. Cloudy and Windy

Ext'l Amb. Temp. °C (prior sampling event) 0°

Time	<u>1437</u>	Gal. Purged	<u>44</u>
Conductance	<u>3766</u>	pH	<u>6.34</u>
Temp. °C	<u>13.79</u>		
Redox Potential Eh (mV)	<u>178</u>		
Turbidity (NTU)	<u>64.1</u>		

Time	<u>1438</u>	Gal. Purged	<u>55</u>
Conductance	<u>3767</u>	pH	<u>6.46</u>
Temp. °C	<u>13.80</u>		
Redox Potential Eh (mV)	<u>178</u>		
Turbidity (NTU)	<u>63.2</u>		

Time	<u>1439</u>	Gal. Purged	<u>66</u>
Conductance	<u>3766</u>	pH	<u>6.47</u>
Temp. °C	<u>3710</u> 13.82		
Redox Potential Eh (mV)	<u>175</u>		
Turbidity (NTU)	<u>61.0</u>		

Time	<u>1440</u>	Gal. Purged	<u>77</u>
Conductance	<u>3765</u>	pH	<u>6.48</u>
Temp. °C	<u>13.82</u>		
Redox Potential Eh (mV)	<u>171</u>		
Turbidity (NTU)	<u>61.2</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1430. Tanner Holliday and Garrin Palmer present for purge. Purge began at 1433. Water was a light orange color but slowly cleared. Purged well for a total of 7 minutes. Purge ended at 1440 Left site at 1444. Arrived on site at 0723. Tanner and Garrin present to collect samples. Depth to water was 65.12. Samples were bailed at 0728. Left site at 0732.

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-24 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/17/2012 and Sampling (if different) 1/18/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-16

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm Well Depth(0.01ft): 112.50

Depth to Water Before Purging 55.15 Casing Volume (V) 4" Well: 37.44 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 9758 pH of Water (avg) 6.60

Well Water Temp. (avg) 14.72 Redox Potential (Eh) 260 Turbidity 7.3

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 1°

Time	<u>1243</u>	Gal. Purged	<u>55</u>
Conductance	<u>9740</u>	pH	<u>6.61</u>
Temp. °C	<u>14.70</u>		
Redox Potential Eh (mV)	<u>260</u>		
Turbidity (NTU)	<u>7.4</u>		

Time	<u>1244</u>	Gal. Purged	<u>66</u>
Conductance	<u>9746</u>	pH	<u>6.60</u>
Temp. °C	<u>14.72</u>		
Redox Potential Eh (mV)	<u>260</u>		
Turbidity (NTU)	<u>7.4</u>		

Time	<u>1245</u>	Gal. Purged	<u>77</u>
Conductance	<u>9762</u>	pH	<u>6.60</u>
Temp. °C	<u>14.73</u>		
Redox Potential Eh (mV)	<u>260</u>		
Turbidity (NTU)	<u>7.3</u>		

Time	<u>1246</u>	Gal. Purged	<u>88</u>
Conductance	<u>9787</u>	pH	<u>6.60</u>
Temp. °C	<u>14.74</u>		
Redox Potential Eh (mV)	<u>260</u>		
Turbidity (NTU)	<u>7.3</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

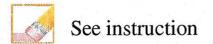
Comment

Arrived on site at 1235. Tanner Holliday present for purge. Purge began at 1238. Purged well for a total of 8 minutes. Water was mostly clear. Purge ended at 1246. Depth to water was 61.40. Left site at 1249. Arrived on site at 0758. Tanner and Garrin present to collect samples. Depth to water was 55.18 samples were bailed at 0804. Left site at 0806.

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-25

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/17/2012

and Sampling (if different): 1/18/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-25R

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm

Well Depth(0.01ft): 134.80

Depth to Water Before Purging: 47.13

Casing Volume (V) 4" Well: 57.24 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3064

pH of Water (avg): 7.01

Well Water Temp. (avg): 14.66

Redox Potential (Eh): 297

Turbidity: 19.5

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): -6°

Time	<u>0910</u>	Gal. Purged	<u>88</u>
Conductance	<u>3075</u>	pH	<u>7.01</u>
Temp. °C	<u>14.64</u>		
Redox Potential Eh (mV)	<u>298</u>		
Turbidity (NTU)	<u>18.9</u>		

Time	<u>0911</u>	Gal. Purged	<u>99</u>
Conductance	<u>3073</u>	pH	<u>7.01</u>
Temp. °C	<u>14.65</u>		
Redox Potential Eh (mV)	<u>297</u>		
Turbidity (NTU)	<u>19</u>		

Time	<u>0912</u>	Gal. Purged	<u>110</u>
Conductance	<u>3062</u>	pH	<u>7.01</u>
Temp. °C	<u>14.67</u>		
Redox Potential Eh (mV)	<u>297</u>		
Turbidity (NTU)	<u>20</u>		

Time	<u>0913</u>	Gal. Purged	<u>121</u>
Conductance	<u>3047</u>	pH	<u>7.02</u>
Temp. °C	<u>14.68</u>		
Redox Potential Eh (mV)	<u>297</u>		
Turbidity (NTU)	<u>20.1</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0857. Tanner and Garrin present for purge. Purge began at 0902. Purged well for a total of 11 minutes. Water was mostly clear. Purge ended at 0913. Depth to water was 65.90. Left site at 0916.
 Arrived on site at 0719. Tanner and Garrin present to collect samples. Depth to water was 3a

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-25 R Sampler Name and initials: Tanner Holliday/JH

Date and Time for Purging: 1/17/2012 and Sampling (if different): N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: TW4-23

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/cm Well Depth(0.01ft): 0

Depth to Water Before Purging: 0 Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 0.6 pH of Water (avg): 6.24

Well Water Temp. (avg): 5.06 Redox Potential (Eh): 318 Turbidity: 0

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): -6°

Time	<u>0848</u>	Gal. Purged	<u>180</u>
Conductance	<u>0.6</u>	pH	<u>6.24</u>
Temp. °C	<u>5.06</u>		
Redox Potential Eh (mV)	<u>318</u>		
Turbidity (NTU)	<u>0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 0825. Tanner and Garrin present for rinsate. Rinsate began at 0830. Pumped 50 Gallons Acid water, 50 Gallons soap water. 100 Gallons of DI water. Rinsate ended and samples were collected at 0850. Left site at 0853

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-26 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 1/17/2012 and Sampling (if different): 1/18/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: TW4-24

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/ cm Well Depth(0.01ft): 86.00

Depth to Water Before Purging: 63.80 Casing Volume (V) 4" Well: 14.49 (.653h)
 3" Well: 0 (.367h)

Conductance (avg): 6042 pH of Water (avg): 4.04

Well Water Temp. (avg): 13.93 Redox Potential (Eh): 495 Turbidity: 21

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): 1°

Time	<u>1320</u>	Gal. Purged	<u>11</u>
Conductance	<u>6042</u>	pH	<u>4.04</u>
Temp. °C	<u>13.93</u>		
Redox Potential Eh (mV)	<u>495</u>		
Turbidity (NTU)	<u>21</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1316. Tanner and Garrin present for purge. Purge began at 1319
 Purged well for 1 minute. Purged well dry. Purge ended at 1320.
 water was mostly clear with a Low PH level. Left site at 1323
 Arrived on site at 0808. Tanner and Garrin present to collect samples. Depth to water was 63.85 samples were bailed at 0814. Left site at 0816

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-27 Sampler Name and initials: Tanner Holliday / TH

Date and Time for Purging: 1/23/2012 and Sampling (if different): 1/24/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): Grundfos

Sampling Event: Quarterly Chloroform Prev. Well Sampled in Sampling Event: TW4-02

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 μ MHOS/ cm Well Depth(0.01ft): 96.00

Depth to Water Before Purging: 83.19 Casing Volume (V) 4" Well: 8.36 (.653h)
 3" Well: 0 (.367h)

Conductance (avg): 507 pH of Water (avg): 6.32

Well Water Temp. (avg): 13.31 Redox Potential (Eh): 298 Turbidity: 298

Weather Cond.: Cloudy Ext'l Amb. Temp. °C (prior sampling event): 0°

Time	<u>1458</u>	Gal. Purged	<u>3</u>
Conductance	<u>507</u>	pH	<u>6.32</u>
Temp. °C	<u>13.31</u>		
Redox Potential Eh (mV)	<u>298</u>		
Turbidity (NTU)	<u>240</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived on site at 1455. Tanner and Garrin present to ~~collect~~ purge well. Purge began at 1458. Purged well for 20 seconds. Purged well dry! water was murky. Purge ended at 1458. Left site at 1504
 Arrived on site at 0804. Tanner and Garrin present to collect samples. Depth to water was 83.20. Samples were bailed at 0815. Left site at 0817

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/24/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) N/A

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-27

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 0

Depth to Water Before Purging 0

Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 0.7

pH of Water (avg) 6.36

Well Water Temp. (avg) 13.05

Redox Potential (Eh) 268

Turbidity 0

Weather Cond. N/A

Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>0859</u>	Gal. Purged	<u>0</u>
Conductance	<u>0.7</u>	pH	<u>6.36</u>
Temp. °C	<u>13.05</u>		
Redox Potential Eh (mV)	<u>268</u>		
Turbidity (NTU)	<u>0</u>		

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time		Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Arrived in Lab at 0850. Samples were taken at 0900. Left Lab at 0904

DI Sample

Do not touch this cell (SheetName)



ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER



Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2012

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/T17

Date and Time for Purging 1/16/2012

and Sampling (if different) 1/17/2012

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging 64.70

Casing Volume (V) 4" Well: 32.19 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3766

pH of Water (avg) 6.43

Well Water Temp. (avg) 13.80

Redox Potential (Eh) 175

Turbidity 62.3

Weather Cond. Cloudy and windy

Ext'l Amb. Temp. °C (prior sampling event)

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 =$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Duplicate of TW4-23

Do not touch this cell (SheetName)



**ATTACHMENT 1
 WHITE MESA URANIUM MILL
 FIELD DATA WORKSHEET FOR GROUND WATER**

Attachment 1
 See instruction

Description of Sampling Event: 1st Quarter Chloroform 2012

Location (well name): TW4-70 Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 1/18/2012 and Sampling (if different) 1/19/2012

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event TW4-18R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 137.50

Depth to Water Before Purging 56.70 Casing Volume (V) 4" Well: 52.76 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2036 pH of Water (avg) 6.34

Well Water Temp. (avg) 14.87 Redox Potential (Eh) 295 Turbidity 631

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) -2°

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 S/60 =

Time to evacuate two casing volumes (2V)
 T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

If preservative is used, specify Type and Quantity of Preservative:

 See instruction

Comment

Duplicate of TW4-18

Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

Chloroform Wells

Date 1/30/2012

Name Tanner Holliday, Garrin Palmer

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
<u>1218</u>	MW-4	<u>72.75</u>	
<u>1215</u>	TW4-1	<u>65.07</u>	
<u>1222</u>	TW4-2	<u>67.16</u>	
<u>1212</u>	TW4-3	<u>50.20</u>	
<u>1225</u>	TW4-4	<u>70.05</u>	
<u>1208</u>	TW4-5	<u>56.65</u>	
<u>1230</u>	TW4-6	<u>70.11</u>	
<u>1217</u>	TW4-7	<u>68.31</u>	
<u>1214</u>	TW4-8	<u>67.29</u>	
<u>1210</u>	TW4-9	<u>54.62</u>	
<u>1207</u>	TW4-10	<u>55.80</u>	
<u>1223</u>	TW4-11	<u>57.99</u>	
<u>1237</u>	TW4-12	<u>40.85</u>	
<u>1238</u>	TW4-13	<u>46.95</u>	
<u>1240</u>	TW4-14	<u>87.04</u>	
<u>1203</u>	TW4-15	<u>62.95</u>	<u>MW-26</u>
<u>1249</u>	TW4-16	<u>60.98</u>	
<u>1247</u>	TW4-17	<u>75.45</u>	<u>MW-32</u>
<u>1152</u>	TW4-18	<u>56.49</u>	
<u>1305</u>	TW4-19	<u>70.80</u>	<u>Pump was running</u>
<u>1200</u>	TW4-20	<u>60.75</u>	
<u>1150</u>	TW4-21	<u>53.78</u>	
<u>1158</u>	TW4-22	<u>53.52</u>	
<u>1232</u>	TW4-23	<u>64.97</u>	
<u>1156</u>	TW4-24	<u>55.07</u>	
<u>1148</u>	TW4-25	<u>47.10</u>	
<u>1234</u>	TW4-26	<u>63.65</u>	
<u>1242</u>	TW4-27	<u>83.30</u>	

Chloroform Wells

Date 2-29-2012

Name Garrin Palmer, Tanner Holliday

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
<u>1411</u>	MW-4	<u>71.24</u>	
<u>1405</u>	TW4-1	<u>64.25</u>	
<u>1408</u>	TW4-2	<u>67.08</u>	
<u>1356</u>	TW4-3	<u>49.55</u>	
<u>1413</u>	TW4-4	<u>70.19</u>	
<u>1359</u>	TW4-5	<u>56.00</u>	
<u>1414</u>	TW4-6	<u>70.05</u>	
<u>1406</u>	TW4-7	<u>67.75</u>	
<u>1403</u>	TW4-8	<u>66.49</u>	
<u>1400</u>	TW4-9	<u>53.96</u>	
<u>1353</u>	TW4-10	<u>55.69</u>	
<u>1409</u>	TW4-11	<u>57.16</u>	
<u>1421</u>	TW4-12	<u>40.40</u>	
<u>1422</u>	TW4-13	<u>46.47</u>	
<u>1425</u>	TW4-14	<u>86.90</u>	
<u>1410</u>	TW4-15	<u>80.71</u>	
<u>1414</u>	TW4-16	<u>60.46</u>	
<u>1416</u>	TW4-17	<u>75.02</u>	
<u>1357</u>	TW4-18	<u>56.43</u>	
<u>1426</u>	TW4-19	<u>60.89</u>	
<u>1408</u>	TW4-20	<u>67.90</u>	
<u>1400</u>	TW4-21	<u>53.83</u>	
<u>1406</u>	TW4-22	<u>53.34</u>	
<u>1418</u>	TW4-23	<u>64.68</u>	
<u>1404</u>	TW4-24	<u>54.82</u>	
<u>1352</u>	TW4-25	<u>47.20</u>	
<u>1416</u>	TW4-26	<u>63.55</u>	
<u>1427</u>	TW4-27	<u>83.14</u>	

Tab D

Kriged Current Quarter Groundwater Contour Map, Details Map, and Depth to Water Summary

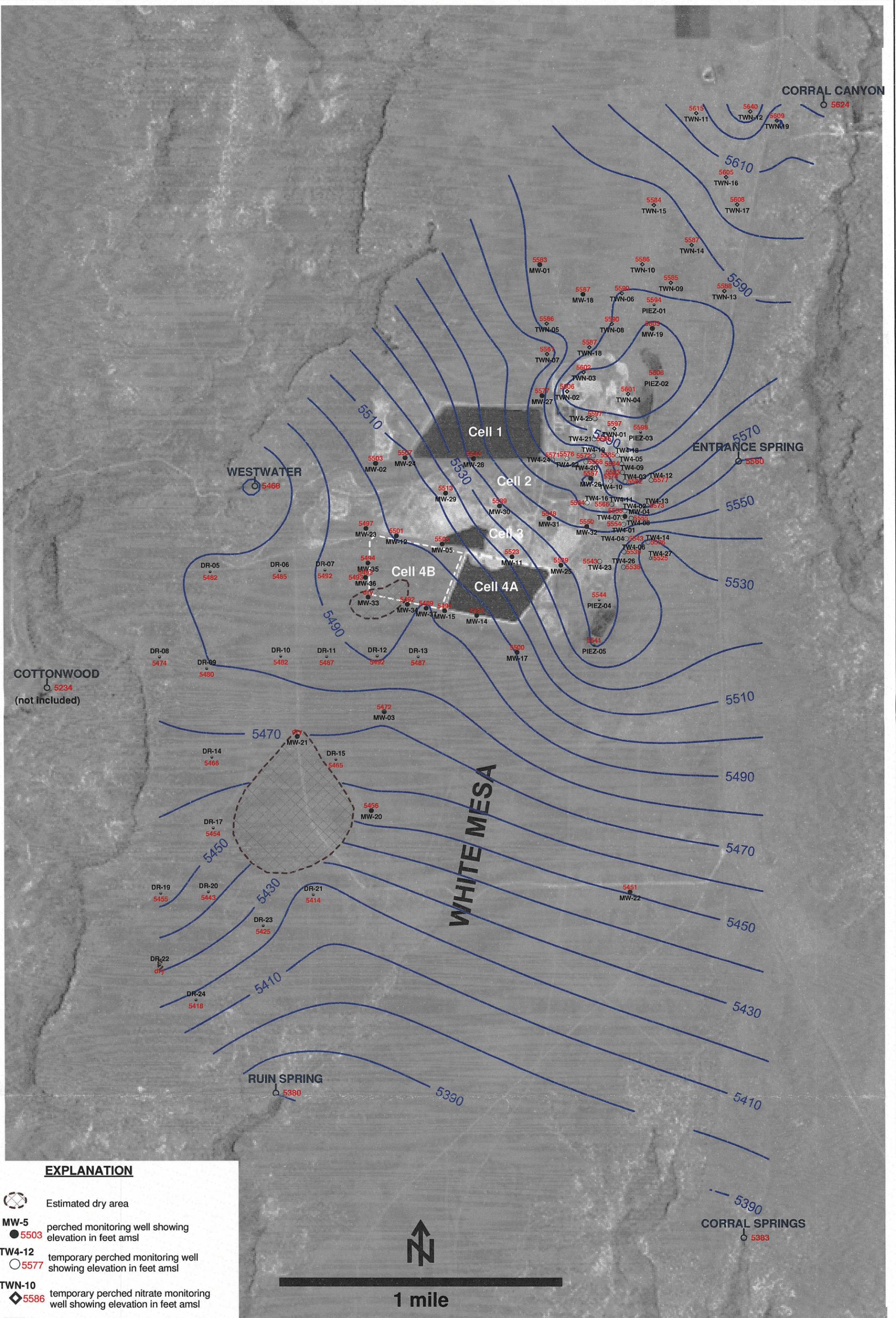
NAME: Tanner Holliday, Garrin Palmer

DATE: 3/27/2012

TIME	WELL	Static level	TIME	WELL	Static Level	TIME	WELL	Static Level	TIME	WELL	Static Level
911	MW-1	64.59	1253	MW-4	71.11	851	PIEZ-1	61.59	DR-1	ABANDON	
1213	MW-2	109.70	1249	TW4-1	64.94	856	PIEZ-2	21.20	DR-2	ABANDON	
1201	MW-3	83.20	1256	TW4-2	66.86	1000	PIEZ-3	40.25			
1202	MW-3A	85.23	1259	TW4-3	50.30	1222	PIEZ-4	47.60			
1313	MW-5	106.13	1246	TW4-4	70.01	1226	PIEZ-5	43.11	1351	DR-5	83.14
1243	MW-11	88.11	1301	TW4-5	56.81				1348	DR-6	94.36
1309	MW-12	108.45	1245	TW4-6	70.05	1011	TWN-1	51.55	1300	DR-7	92.20
1247	MW-14	103.64	1251	TW4-7	67.90	1006	TWN-2	21.00	1343	DR-8	50.91
1249	MW-15	106.37	1258	TW4-8	66.55	1003	TWN-3	32.80	1340	DR-9	86.51
1156	MW-17	74.86	1303	TW4-9	54.75	957	TWN-4	41.05	1336	DR-10	78.07
909	MW-18	70.20	1305	TW4-10	56.35	916	TWN-5	69.57	1212	DR-11	98.38
853	MW-19	52.14	1255	TW4-11	57.81	904	TWN-6	74.60	1209	DR-12	88.21
1402	MW-20	84.47	1237	TW4-12	47.16	914	TWN-7	88.34	1206	DR-13	69.93
1257	MW-22	66.89	1235	TW4-13	47.15	906	TWN-8	61.63	1328	DR-14	76.35
1307	MW-23	114.55	1233	TW4-14	86.89	848	TWN-9	62.89	1333	DR-15	92.95
1210	MW-24	114.36	1235	TW4-15	68.15	859	TWN-10	80.82	DR-16	ABANDON	
1239	MW-25	73.78	1226	TW4-16	60.26	835	TWN-11	69.42	1326	DR-17	64.63
1235	MW-26	68.15	1224	TW4-17	74.93	832	TWN-12	28.55	DR-18	ABANDON	
1203	MW-27	51.04	1012	TW4-18	56.65	846	TWN-13	46.00	1313	DR-19	63.35
1207	MW-28	76.55	929	TW4-19	58.99	843	TWN-14	62.46	1312	DR-20	55.22
1216	MW-29	102.00	1235	TW4-20	61.80	901	TWN-15	92.02	1304	DR-21	107.40
1219	MW-30	75.96	1016	TW4-21	54.11	839	TWN-16	47.86	DR-22	Dry	
1221	MW-31	68.10	1233	TW4-22	53.39	840	TWN-17	33.88	70.6	DR-23	70.60
1224	MW-32	74.93	1244	TW4-23	64.78	954	TWN-18	58.40	43076	DR-24	43.76
1256	MW-33	Dry	1230	TW4-24	54.80	925	TWN-19	52.49	DR-25	ABANDON	
1254	MW-34	107.84	1009	TW4-25	47.50						
1304	MW-35	112.24	1241	TW4-26	63.50						
1257	MW-36	110.35	1230	TW4-27	83.10						
1251	MW-37	110.58									

We split up to complete depth checks so some of the times may be the same.

Protective casing needs to be placed around TW4-2. TW4-27 needs to be painted and labeled.



EXPLANATION

-  Estimated dry area
- MW-5**
 5503 perched monitoring well showing elevation in feet amsl
- TW4-12**
 5577 temporary perched monitoring well showing elevation in feet amsl
- TWN-10**
 5586 temporary perched nitrate monitoring well showing elevation in feet amsl
- PIEZ-1**
 5594 perched piezometer showing elevation in feet amsl
- TW4-27**
 5525 temporary perched monitoring well installed October, 2011 showing elevation in feet amsl
- RUI SPRING**
 5380 seep or spring showing elevation in feet amsl

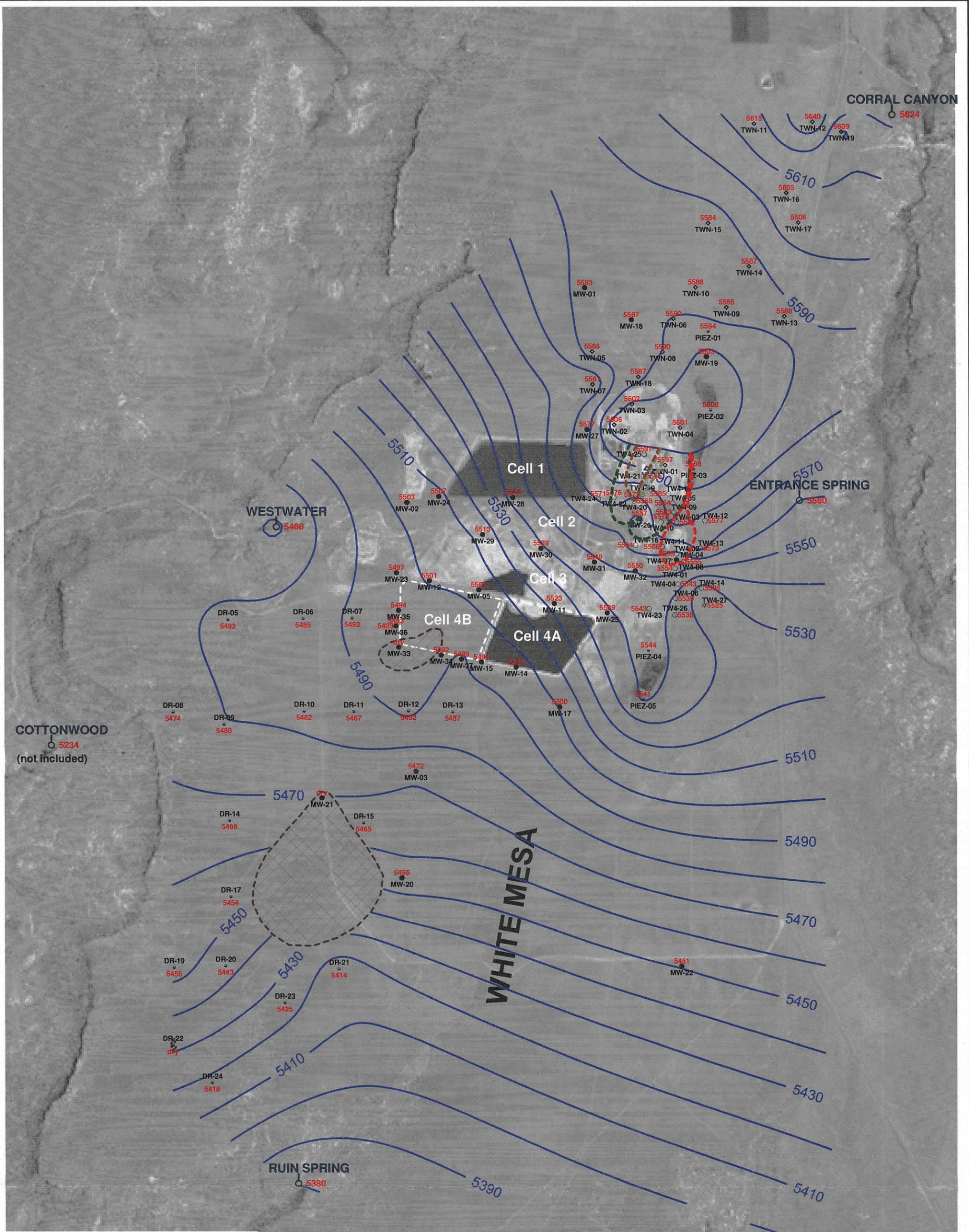
NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are pumping wells



**HYDRO
GEO
CHEM, INC.**

**KRIGED 1st QUARTER, 2012 WATER LEVELS
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uwl0312.srf	D-1



EXPLANATION

-  estimated capture zone boundary stream tubes resulting from pumping
-  MW-5 5503 perched monitoring well showing elevation in feet amsl
-  TW4-12 5577 temporary perched monitoring well showing elevation in feet amsl
-  TWN-10 5586 temporary perched nitrate monitoring well showing elevation in feet amsl
-  PIEZ-1 5594 perched piezometer showing elevation in feet amsl
-  TW4-27 5525 temporary perched monitoring well installed October, 2011 showing elevation in feet amsl
-  RUIIN SPRING 5380 seep or spring showing elevation in feet amsl



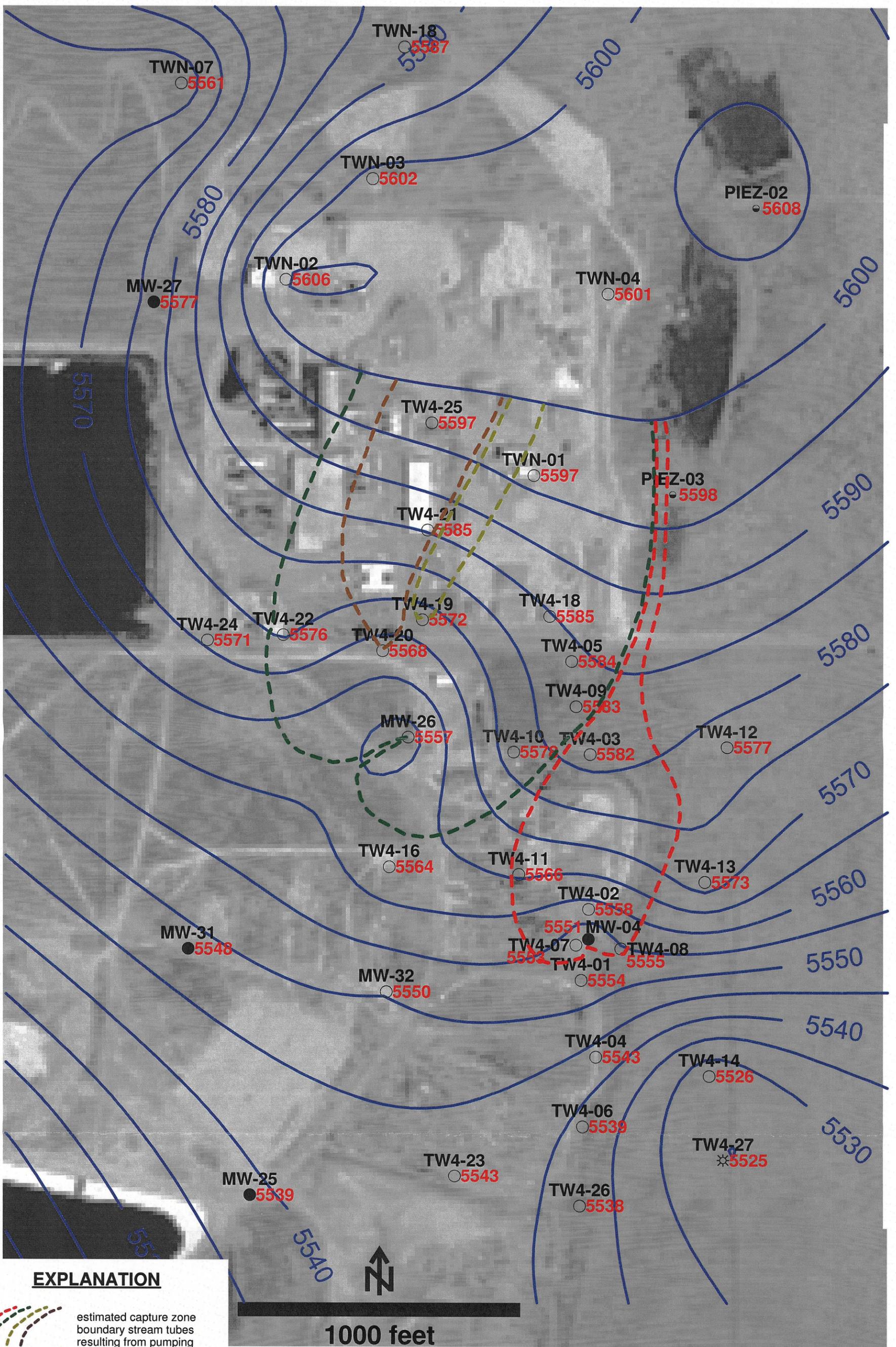
NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are pumping wells

KRIGED 1st QUARTER, 2012 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE



**HYDRO
GEO
CHEM, INC.**

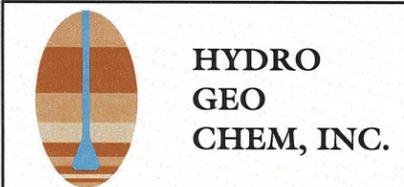
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uwl1211cz2.srf	D-2



EXPLANATION

-  estimated capture zone boundary stream tubes resulting from pumping
-  MW-4 5551 perched monitoring well showing elevation in feet amsl
-  TW4-1 5554 temporary perched monitoring well showing elevation in feet amsl
-  PIEZ-2 5608 perched piezometer showing elevation in feet amsl
-  TW4-27 5525 temporary perched monitoring well installed October, 2011 showing elevation in feet amsl

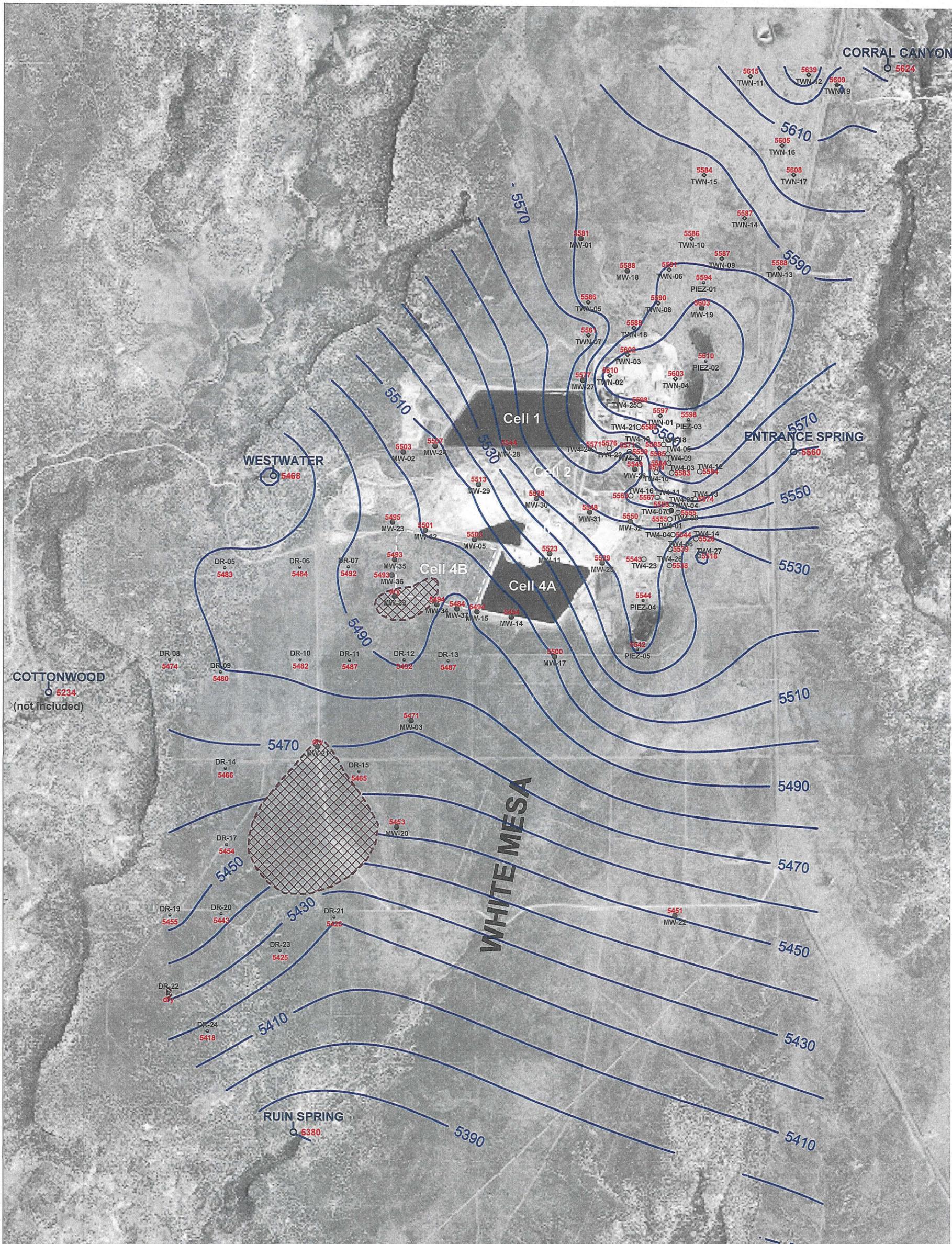
NOTE: MW-4, MW-26, TW4-4, TW4-19 and TW4-20 are pumping wells



KRIGED 1st QUARTER, 2012 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)			
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uwl0312cz.srf	D-3

Tab E

Kriged Previous Quarter Groundwater Contour Map



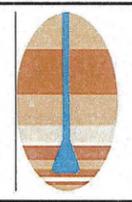
EXPLANATION

-  Estimated dry area
- MW-5**
 5503 perched monitoring well showing elevation in feet amsl
- TW4-12**
 5584 temporary perched monitoring well showing elevation in feet amsl
- TWN-10**
 5586 temporary perched nitrate monitoring well showing elevation in feet amsl
- PIEZ-1**
 5594 perched piezometer showing elevation in feet amsl
- TW4-27**
 5518 temporary perched monitoring well installed October, 2011 showing elevation in feet amsl
- RUIN SPRING**
 5380 seep or spring showing elevation in feet amsl



1 mile

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are pumping wells



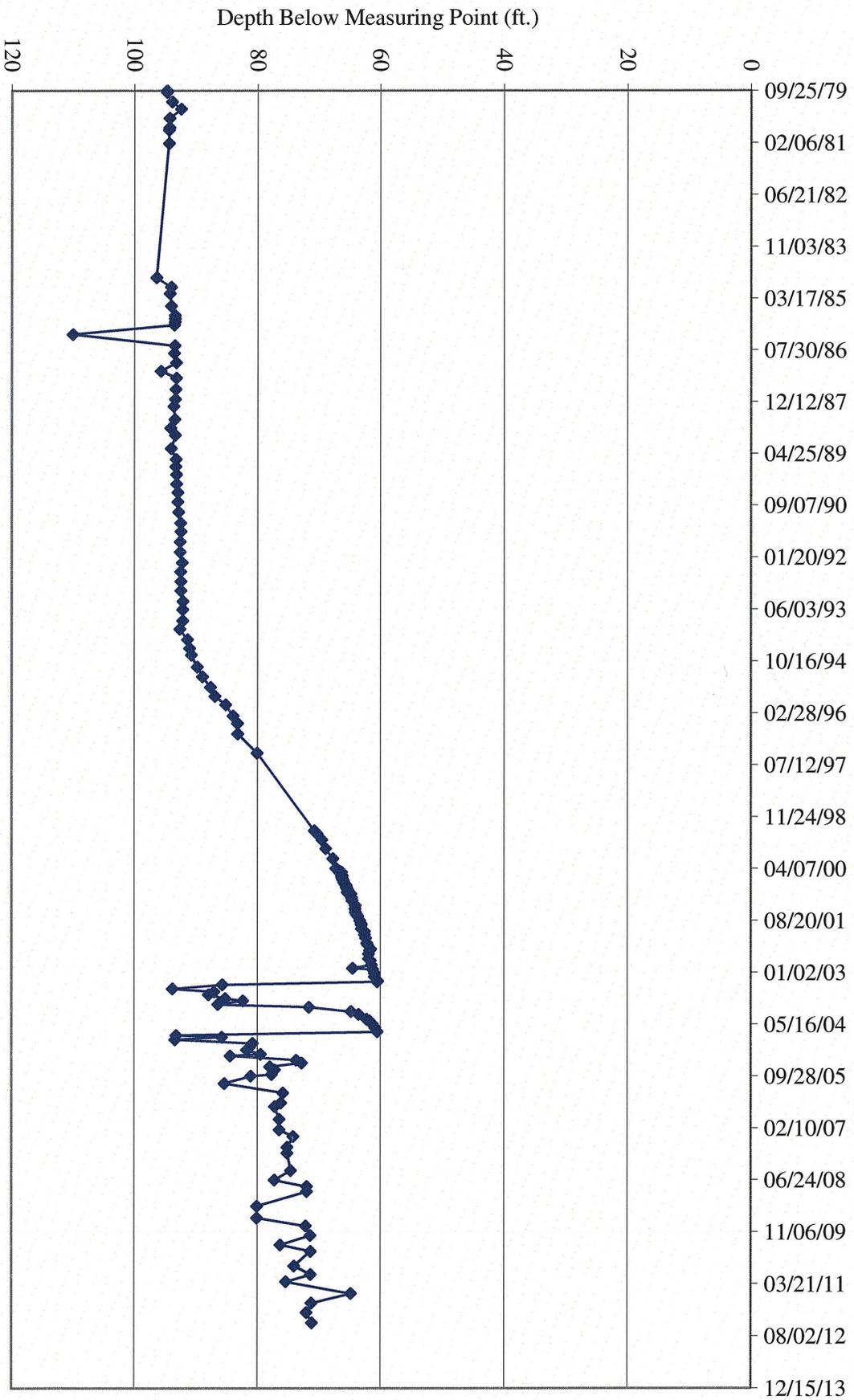
**HYDRO
GEO
CHEM, INC.**

**KRIGED 4th QUARTER, 2011 WATER LEVELS
WHITE MESA SITE**

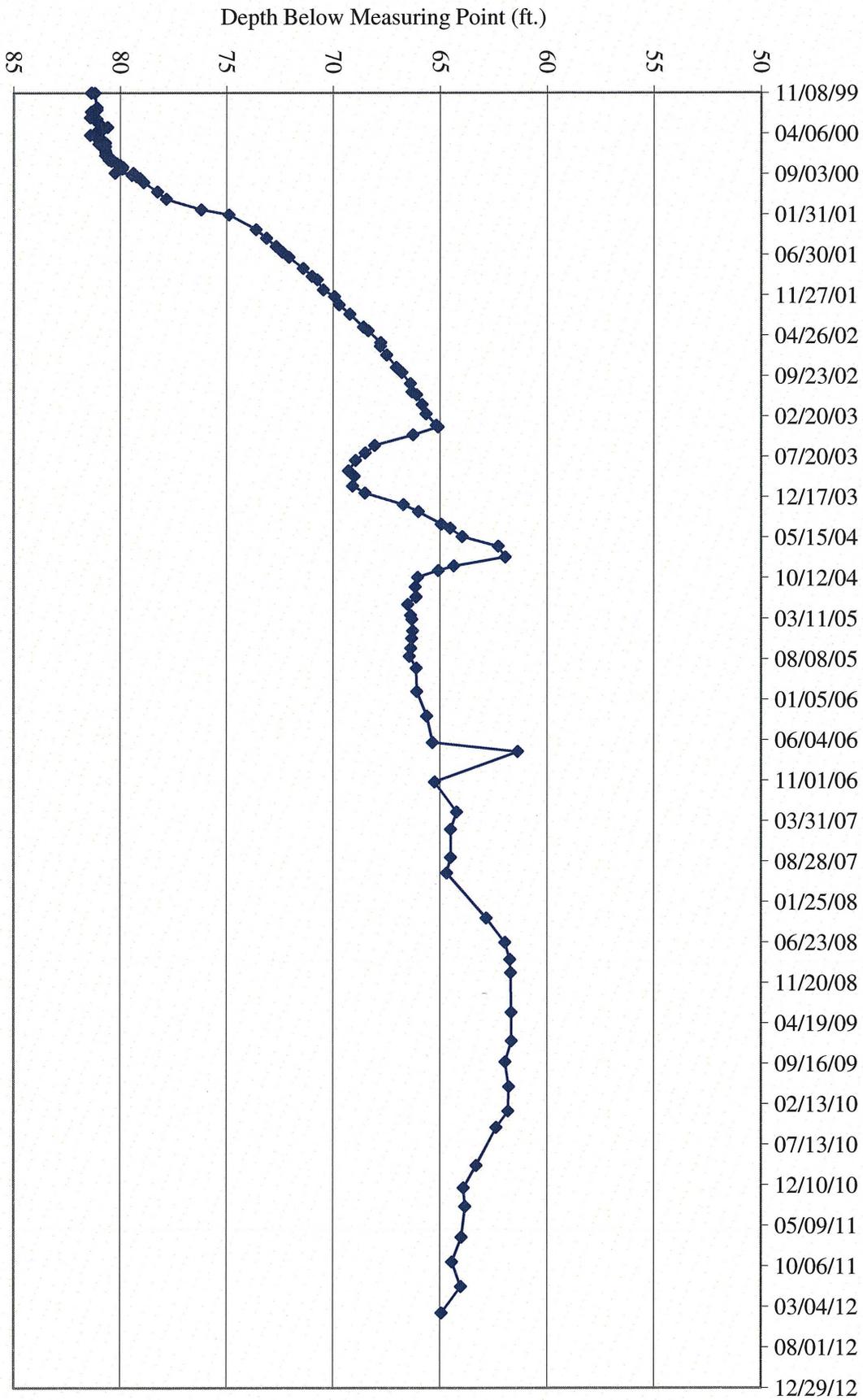
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb12/Uw1211.srf	E - 1

Tab F

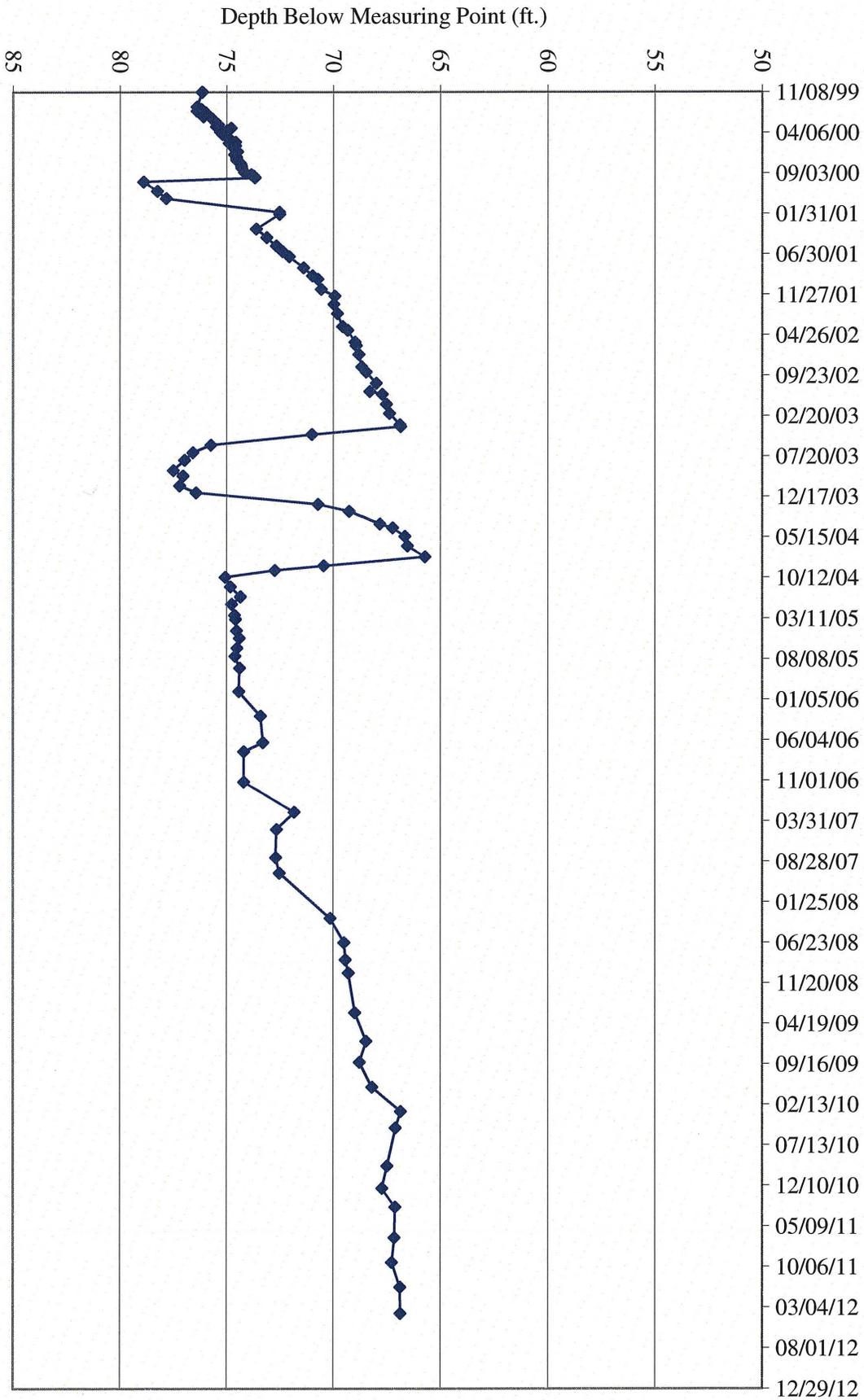
Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells



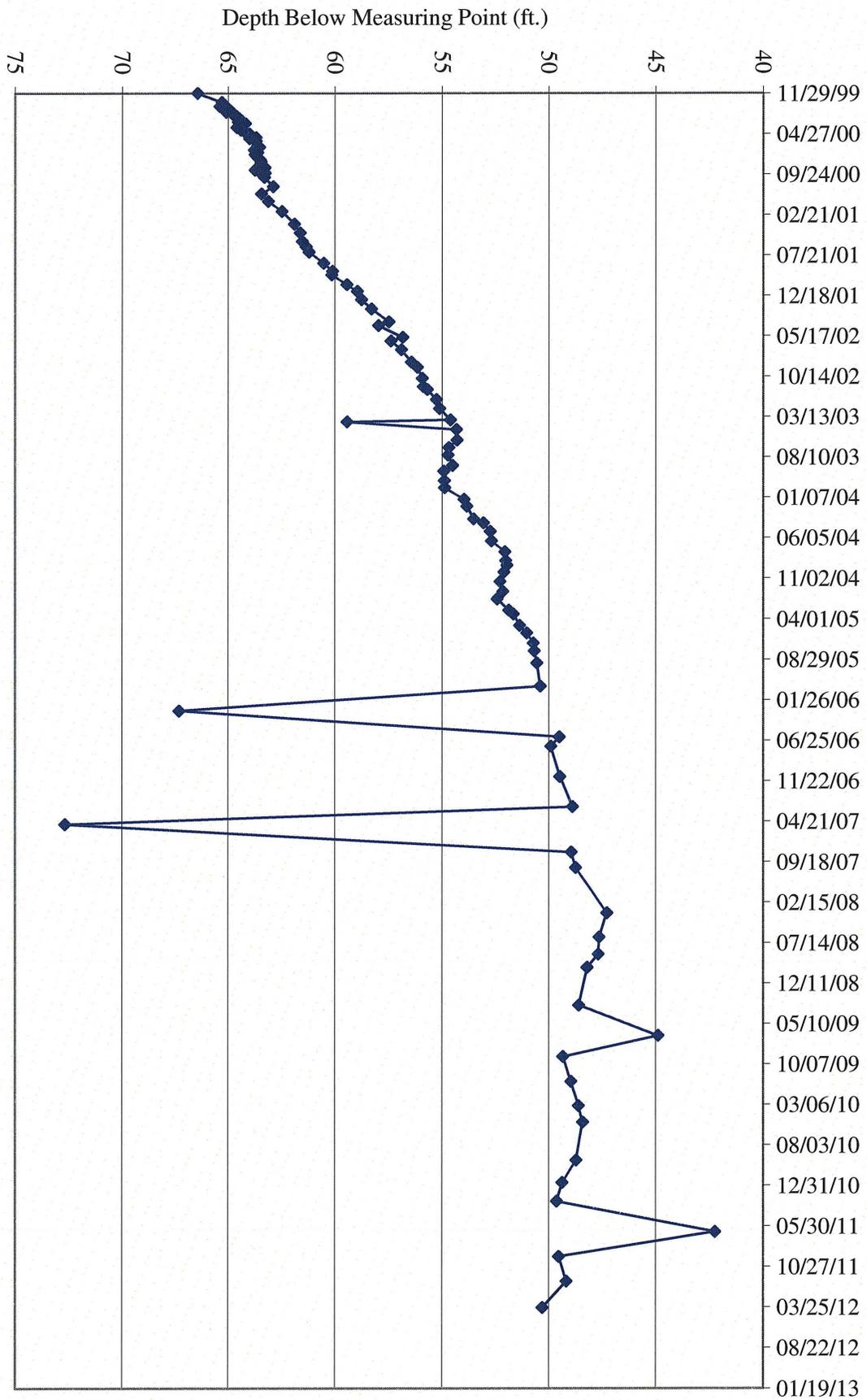
MW 4 Water Depth Over Time (ft. blmp)



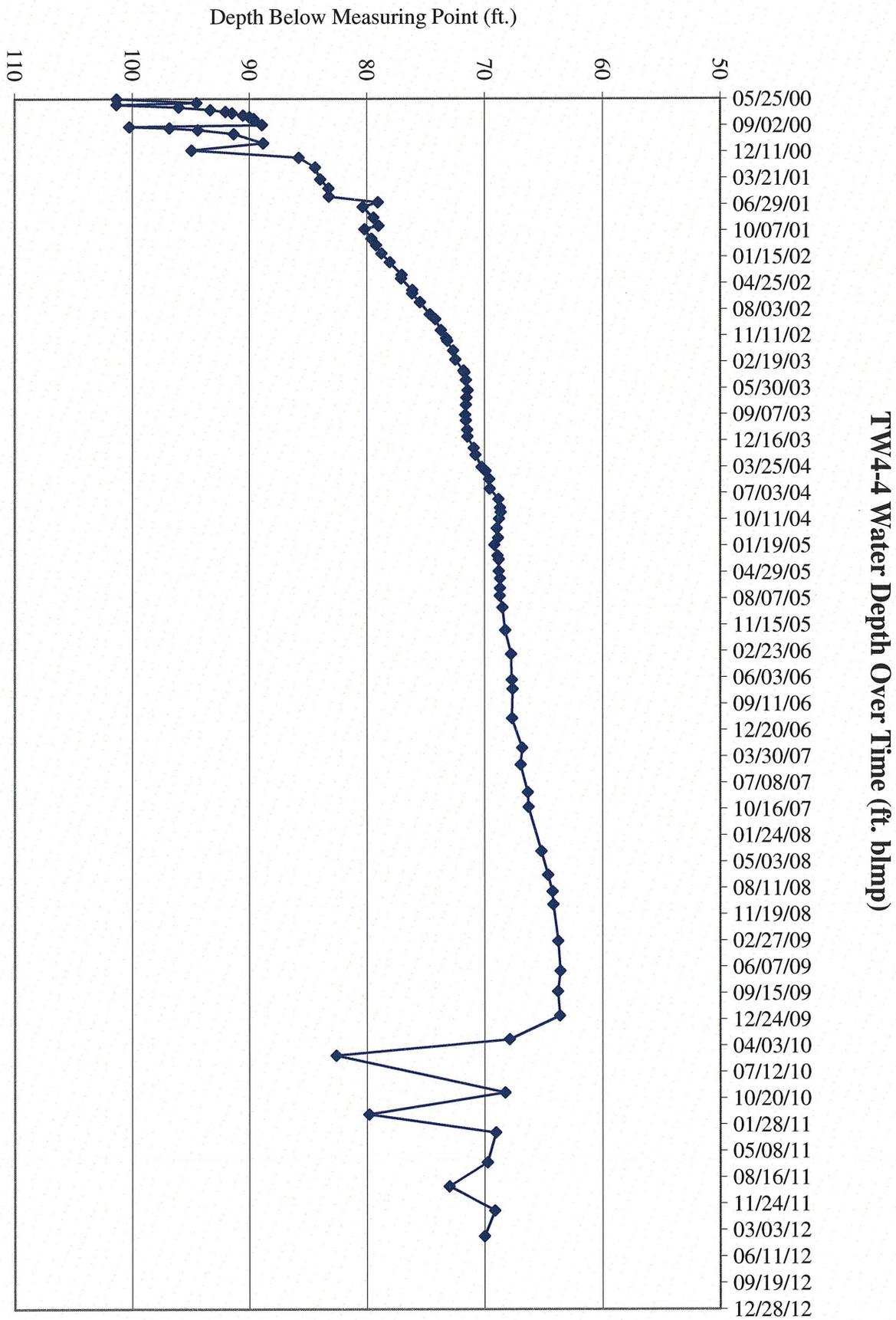
TW4-1 Water Depth Over Time (ft. blmp)



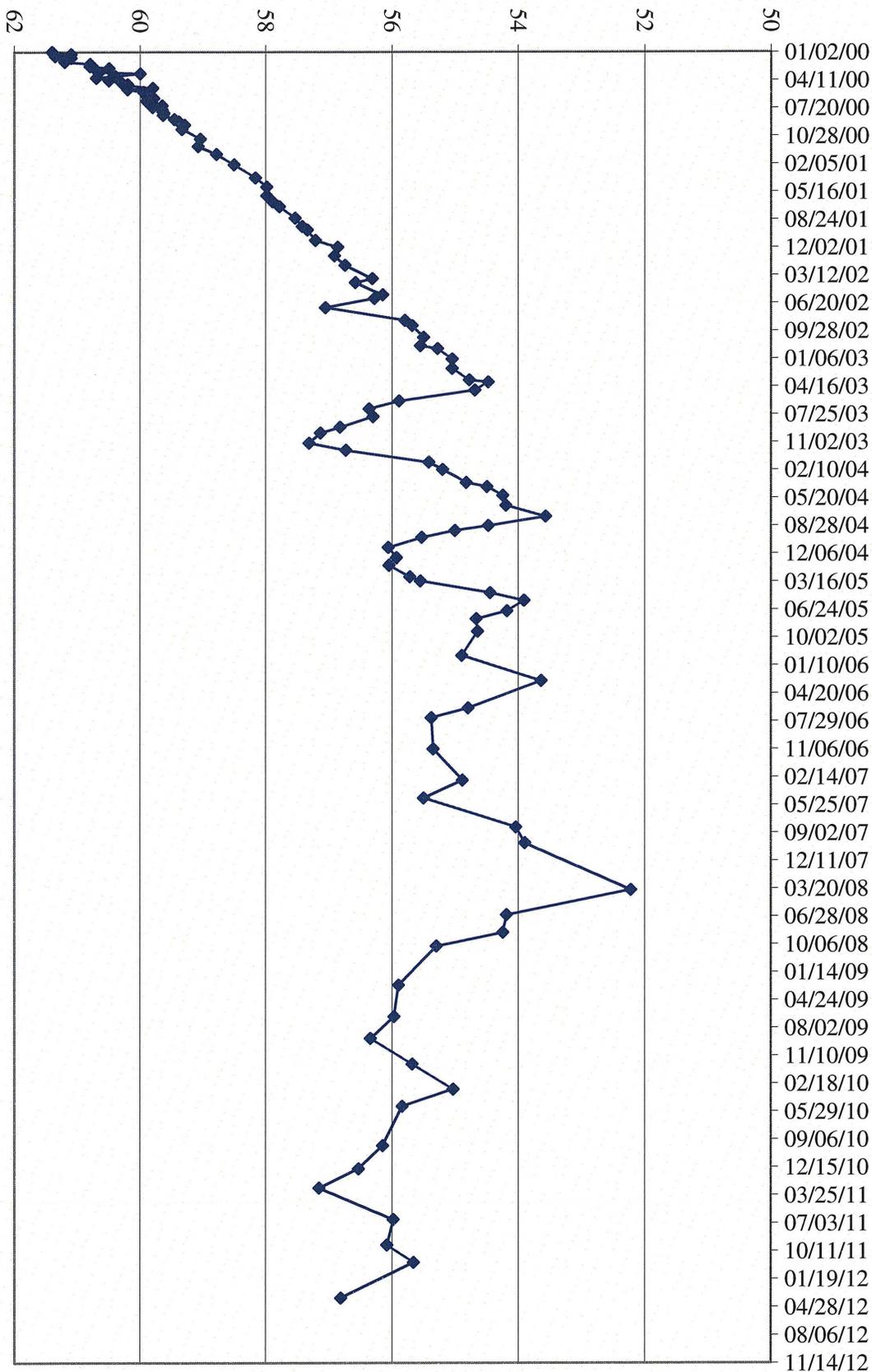
TW4-2 Water Depth Over Time (ft. blmp)

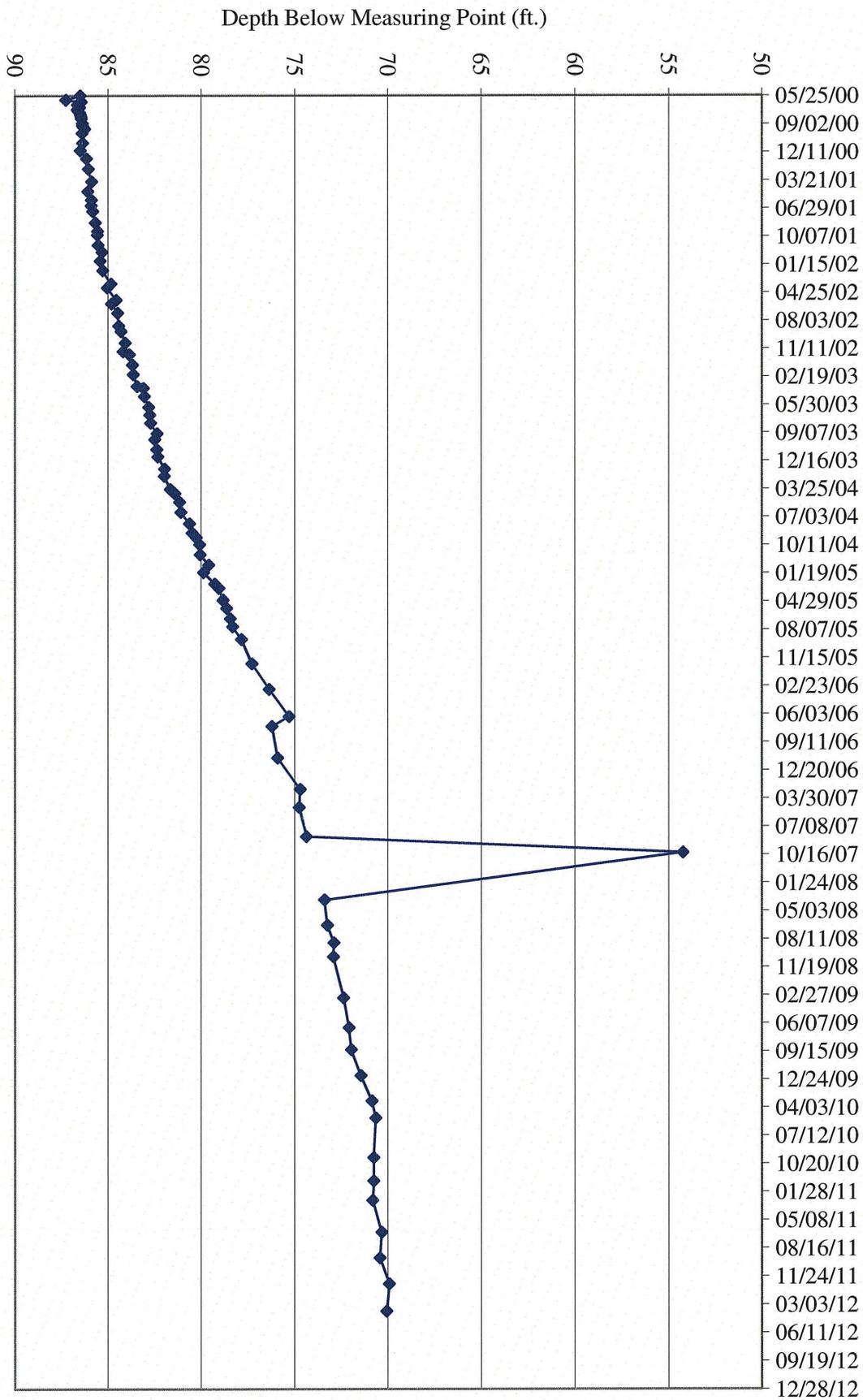


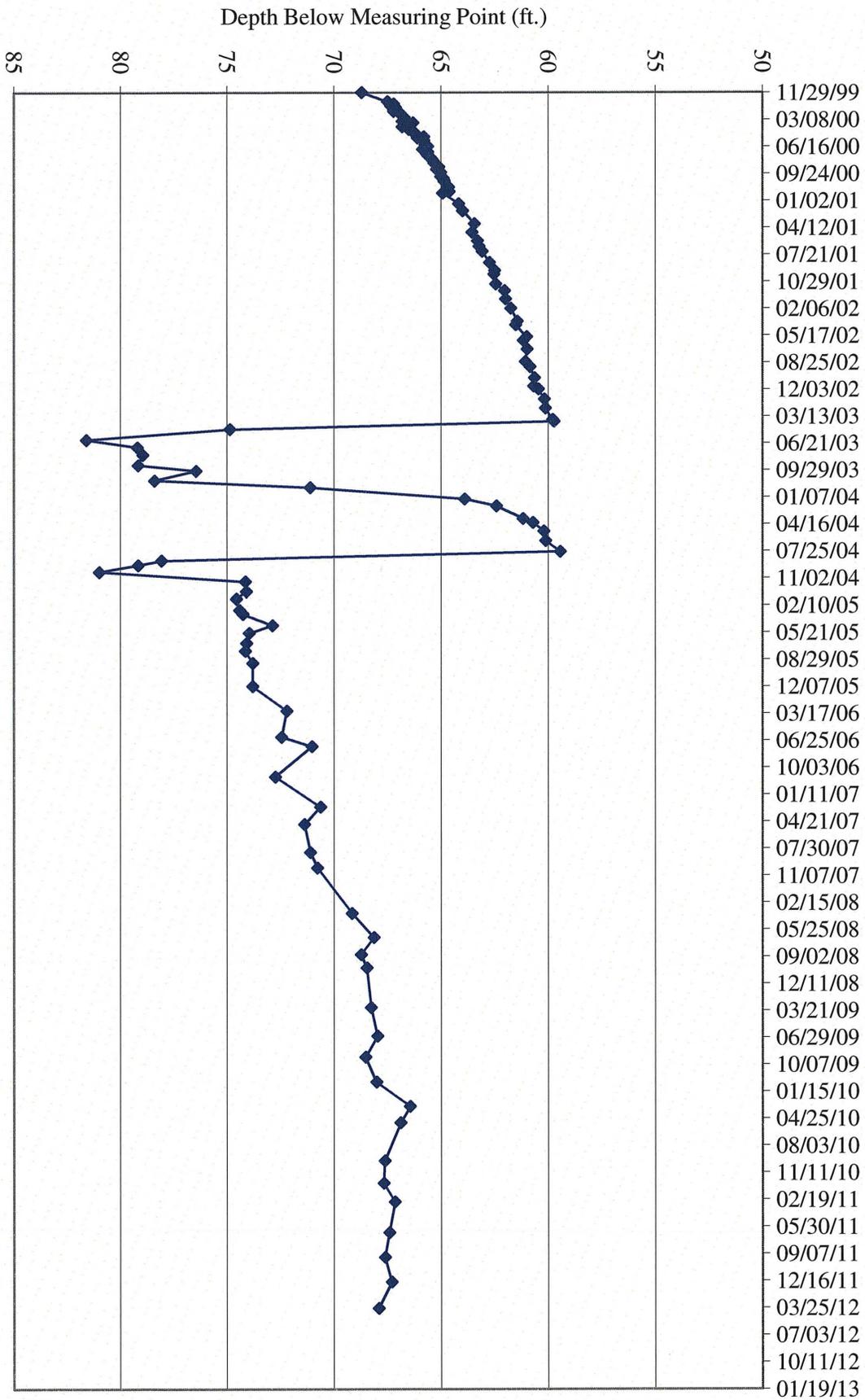
TW4-3 Water Depth Over Time (ft. blmp)



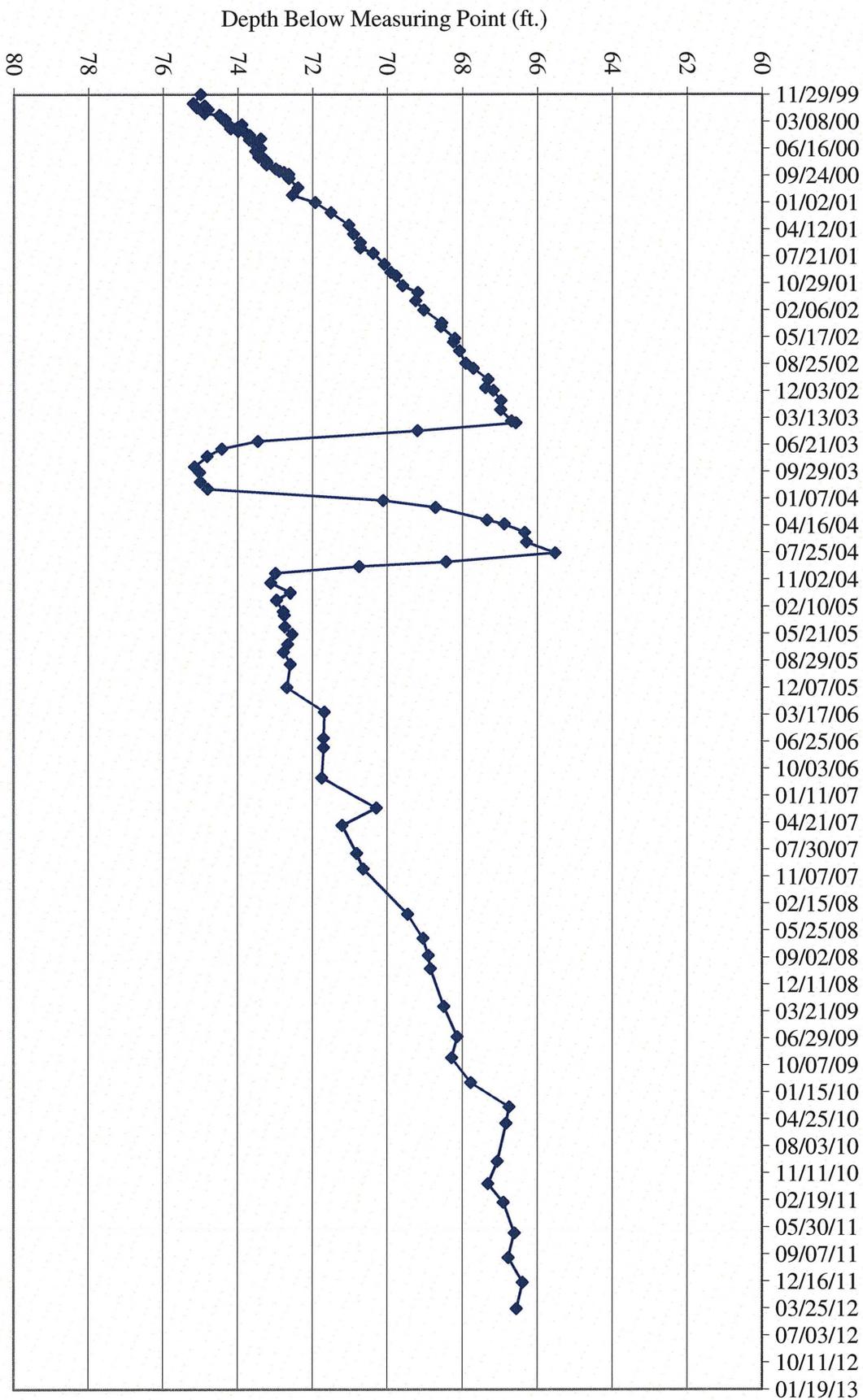
Depth Below Measuring Point (ft.)



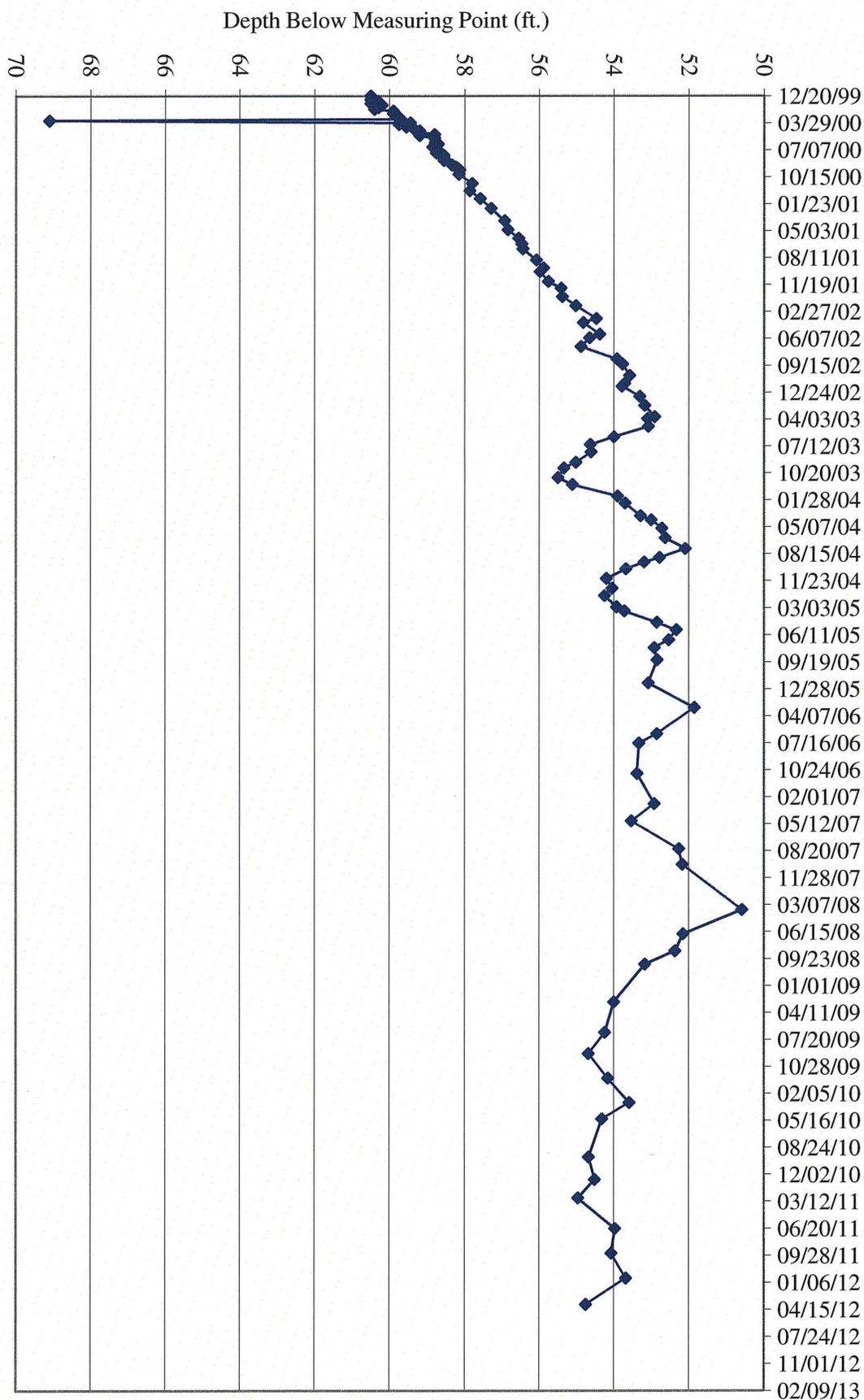




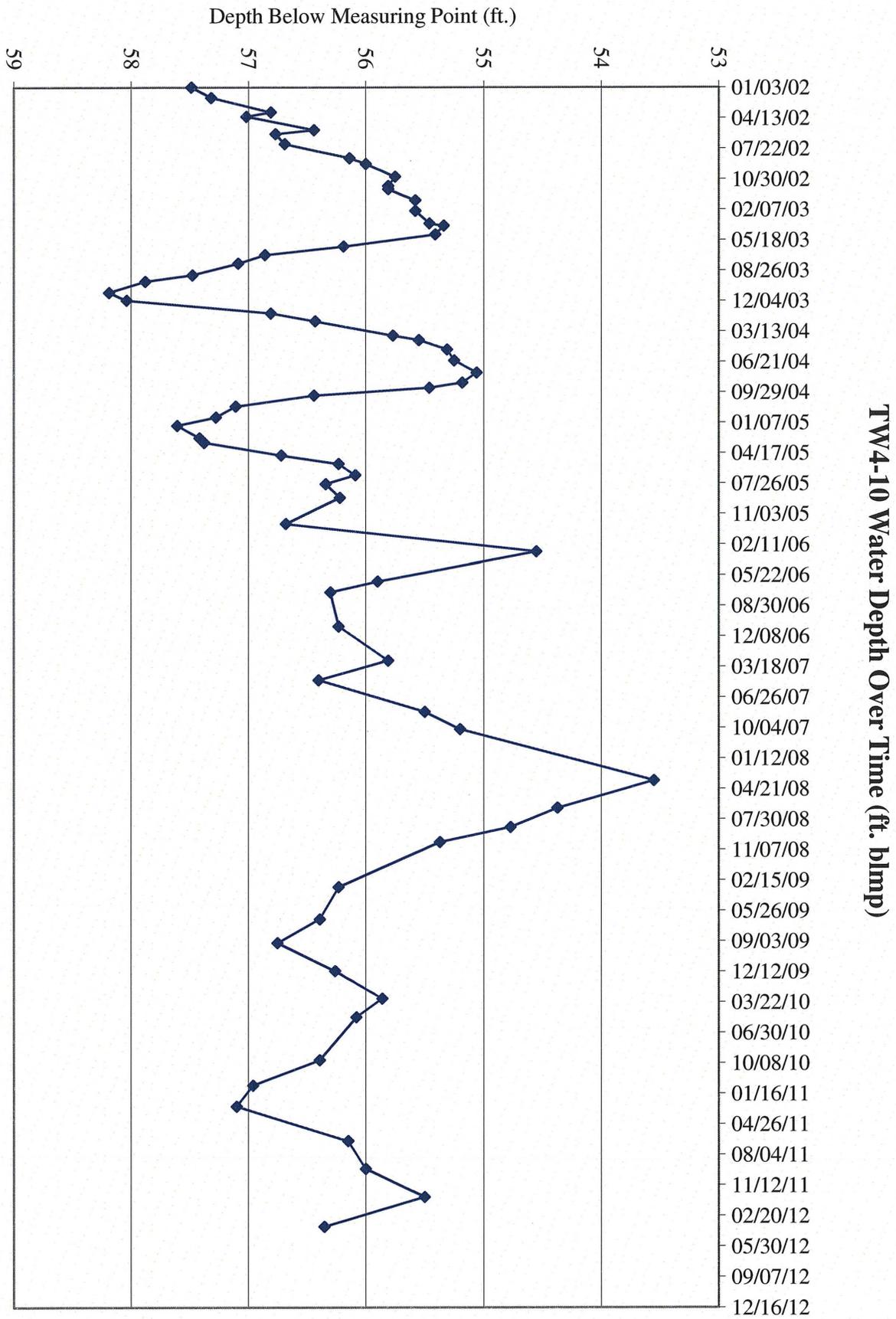
TW4-7 Water Depth Over Time (ft. blmp)

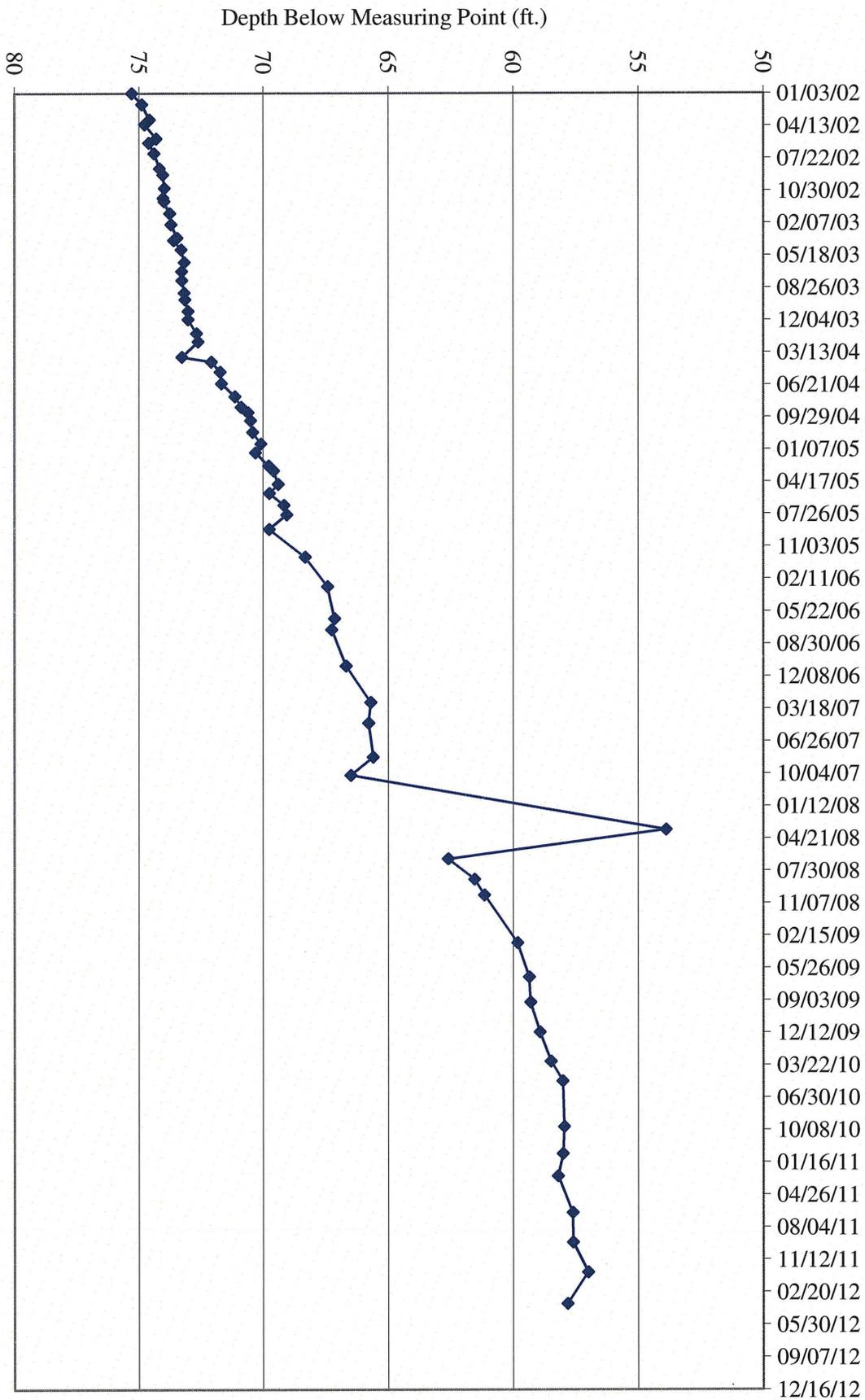


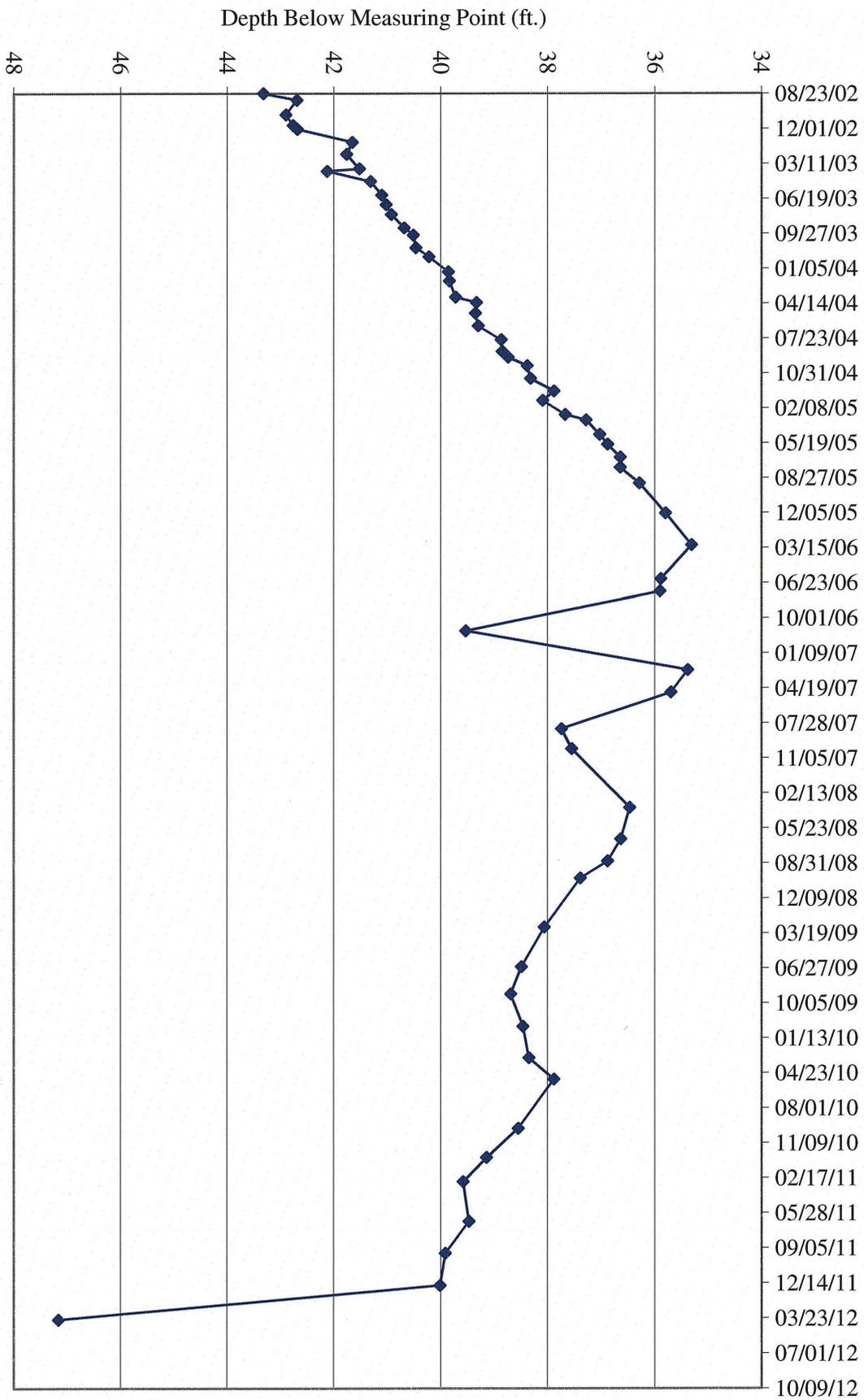
TW4-8 Water Depth Over Time (ft. blmp)



TW4-9 Water Depth Over Time (ft. blmp)

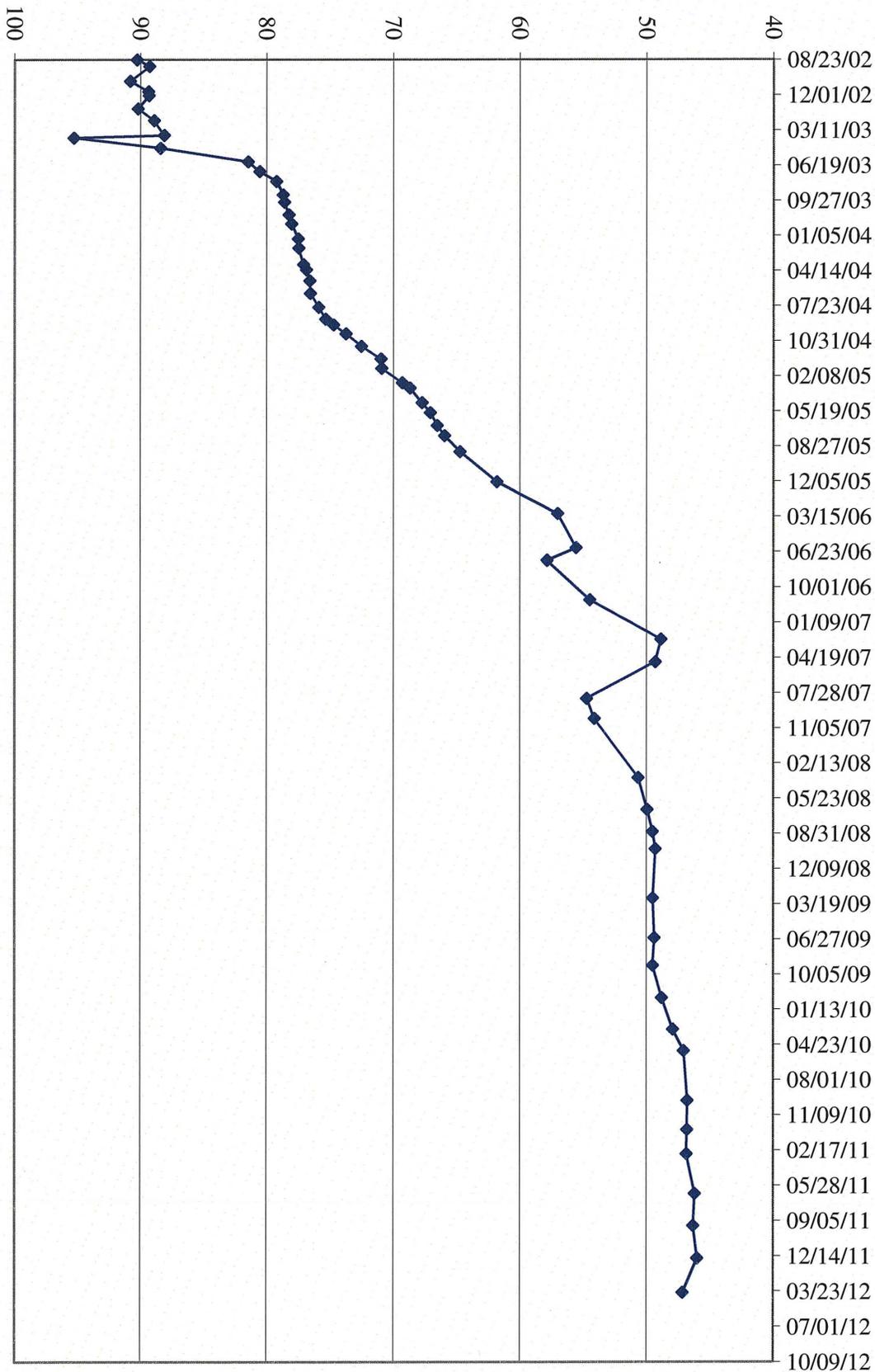


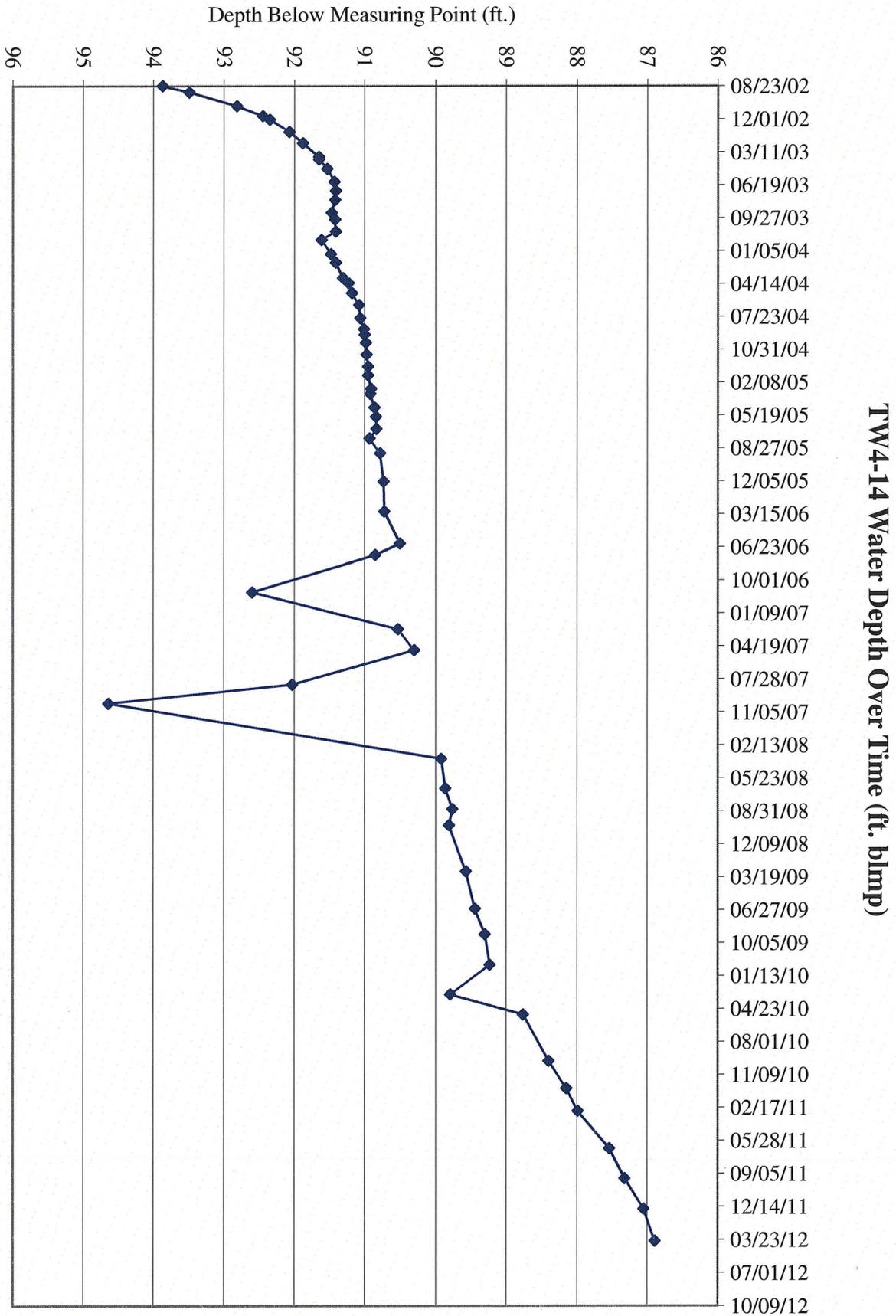




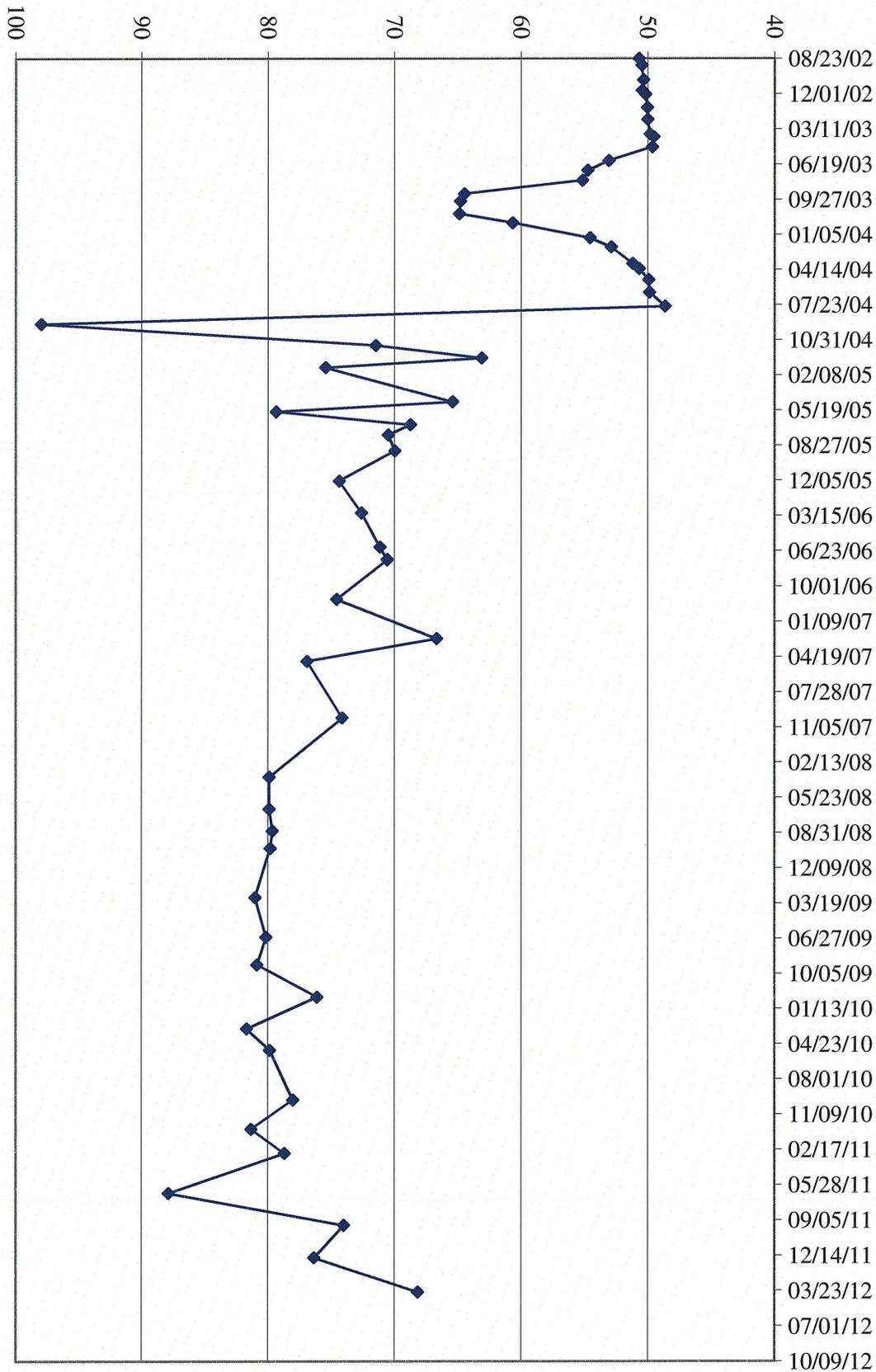
TW4-12 Water Depth Over Time (ft. blmp)

Depth Below Measuring Point (ft.)



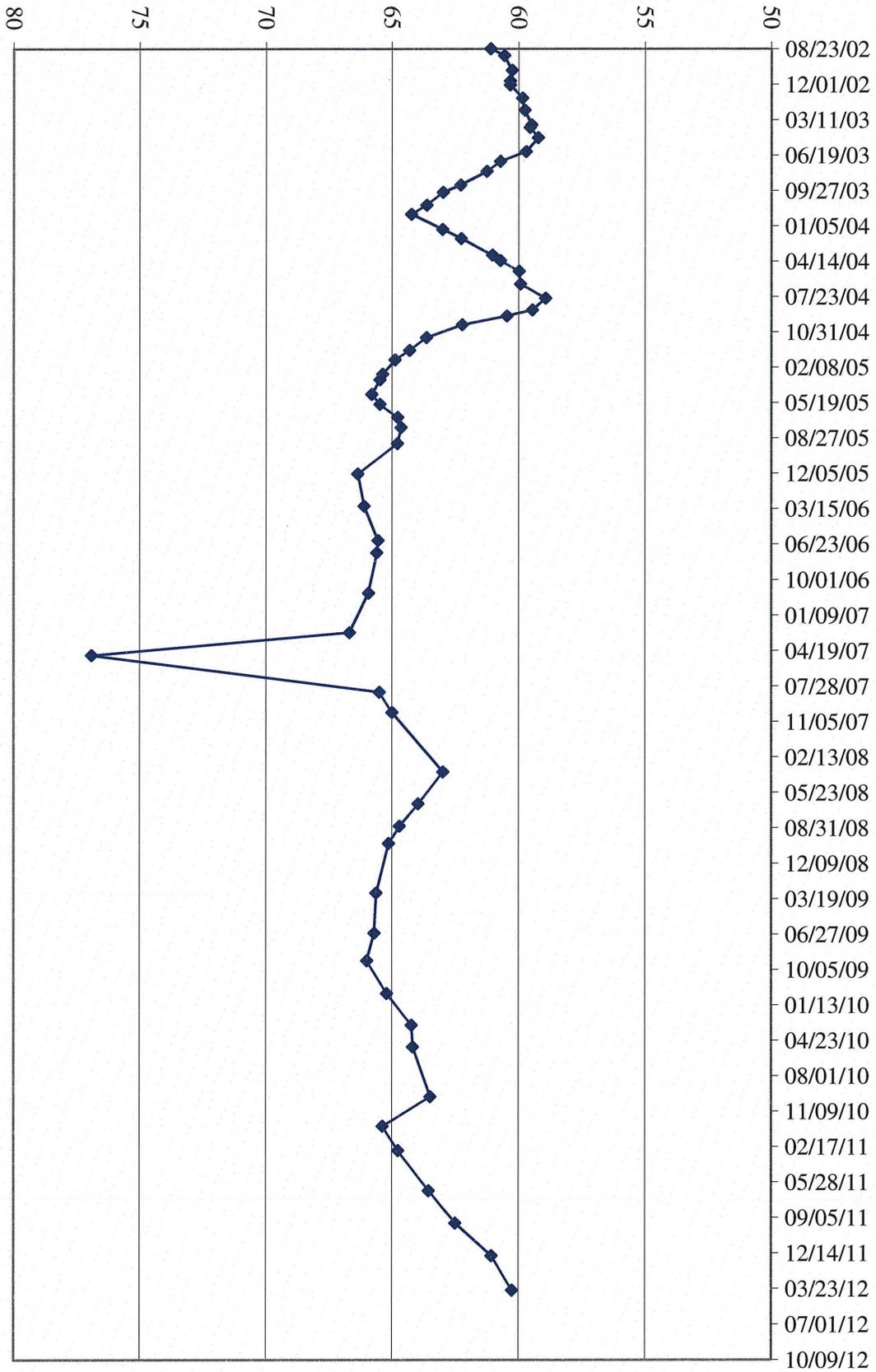


Depth Below Measuring Point (ft.)

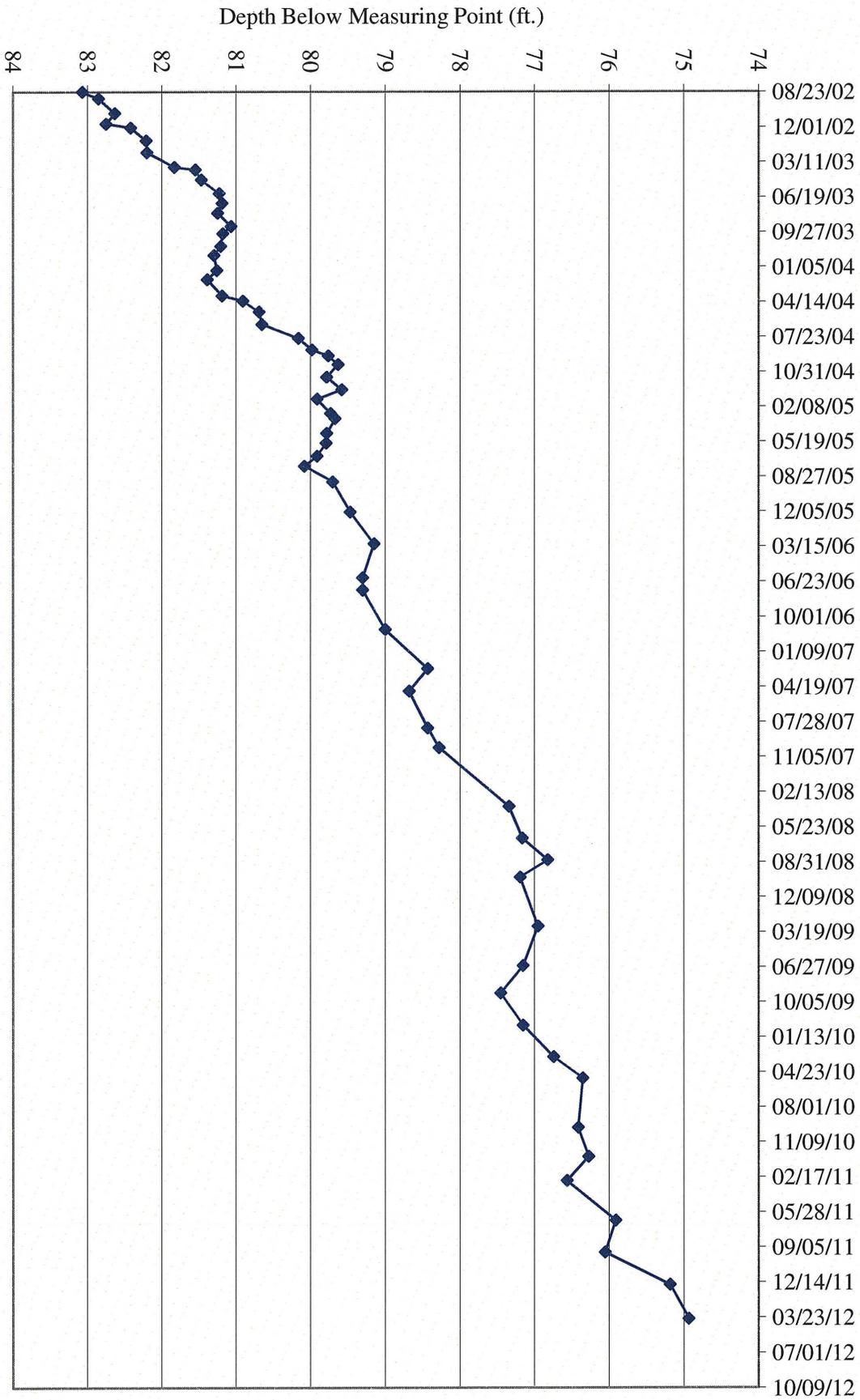


MW-26 Water Depth Over Time (ft. blmp)

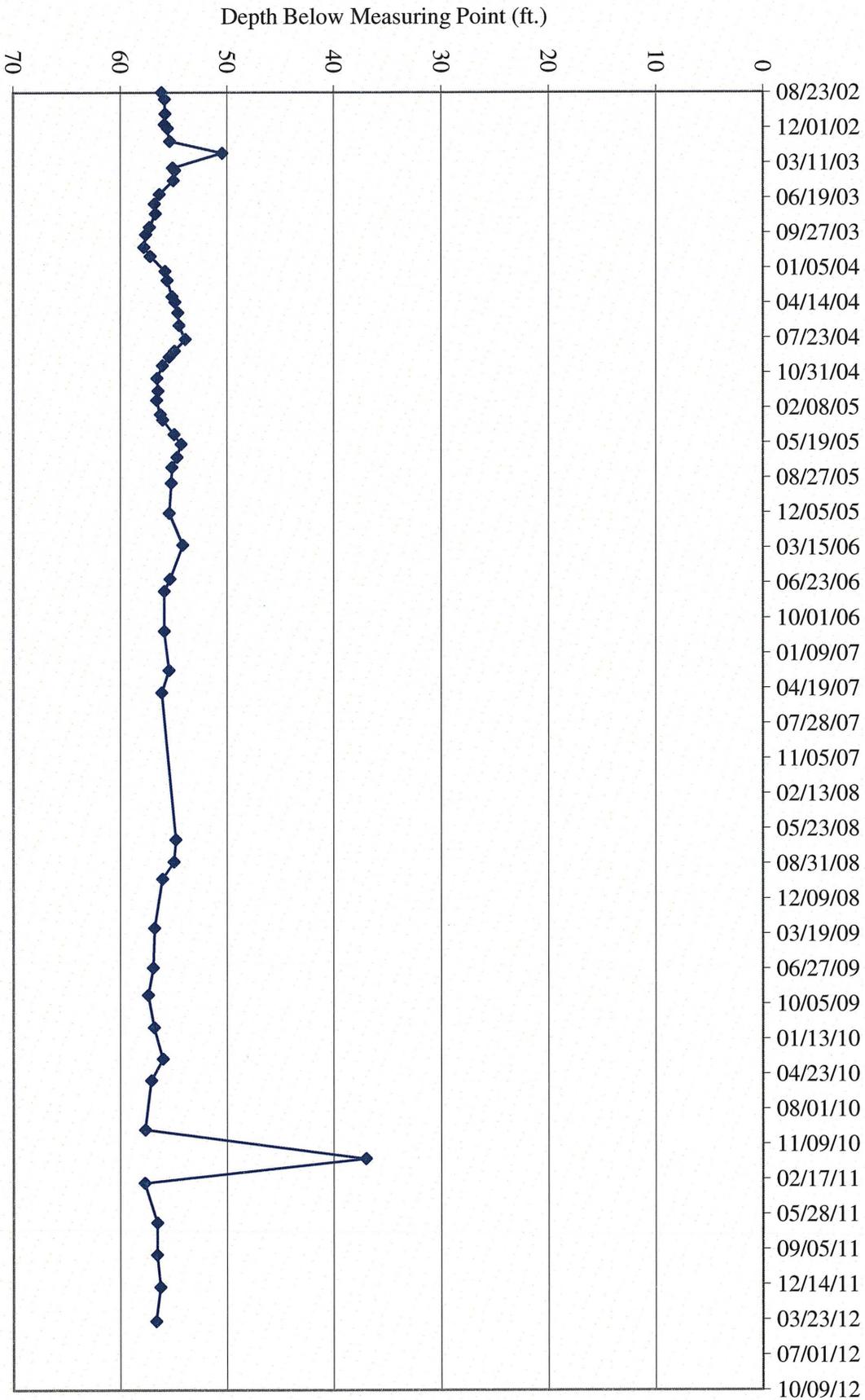
Depth Below Measuring Point (ft.)



TW4-16 Water Depth Over Time (ft. blmp)

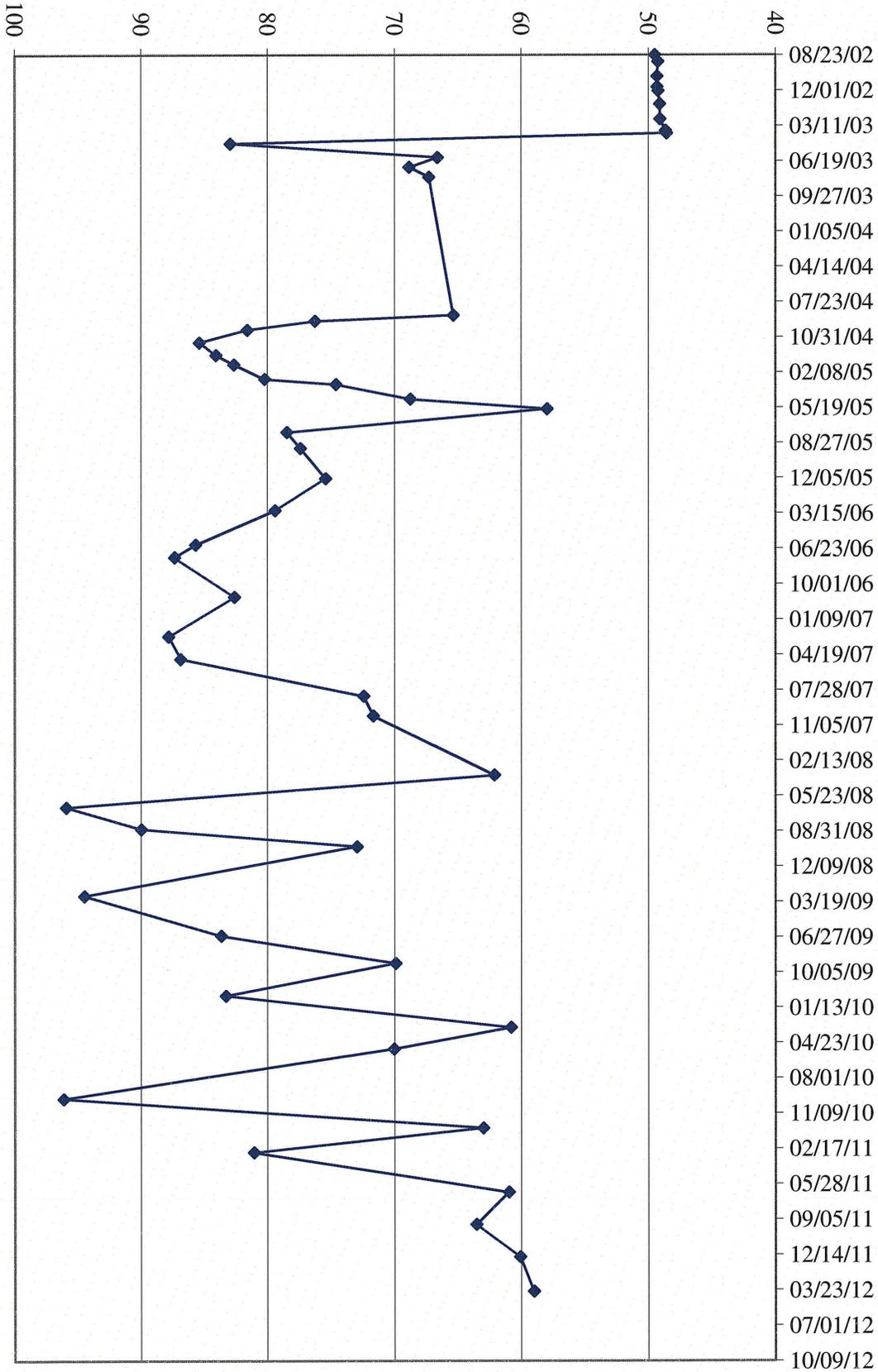


MW-32 Water Depth Over Time (ft. blmp)

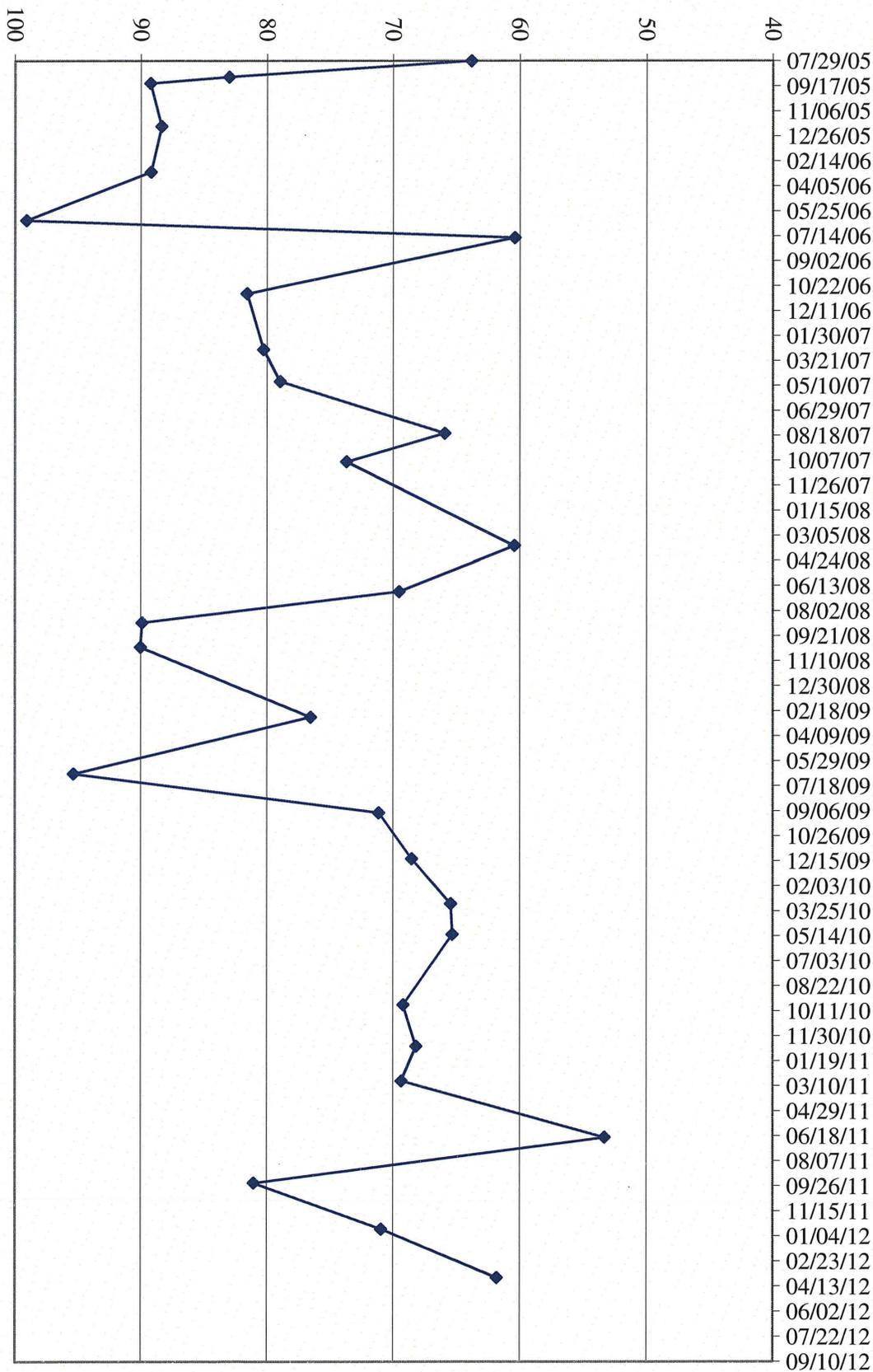


TW4-18 Water Depth Over Time (ft. blmp)

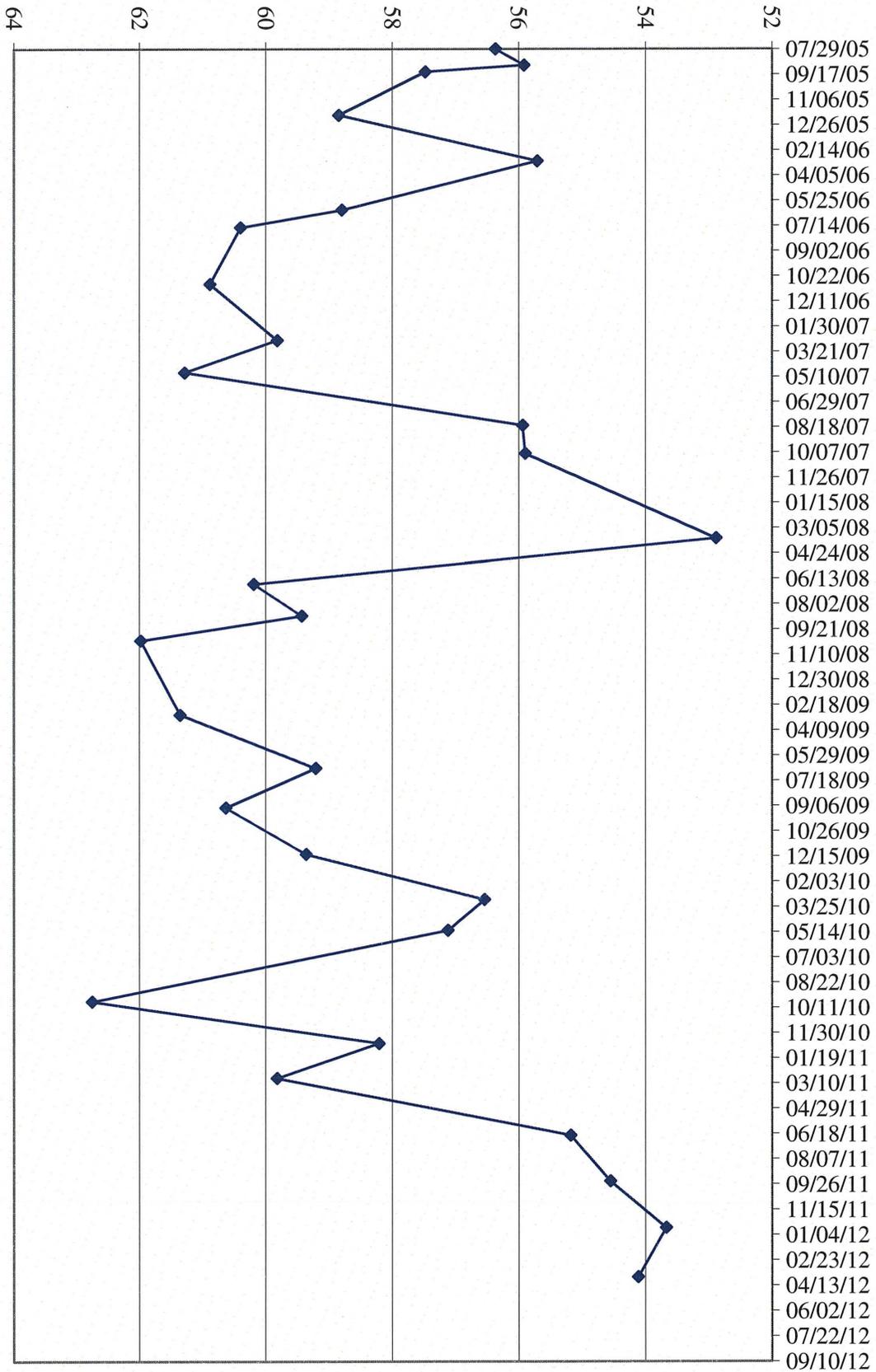
Depth Below Measuring Point (ft.)

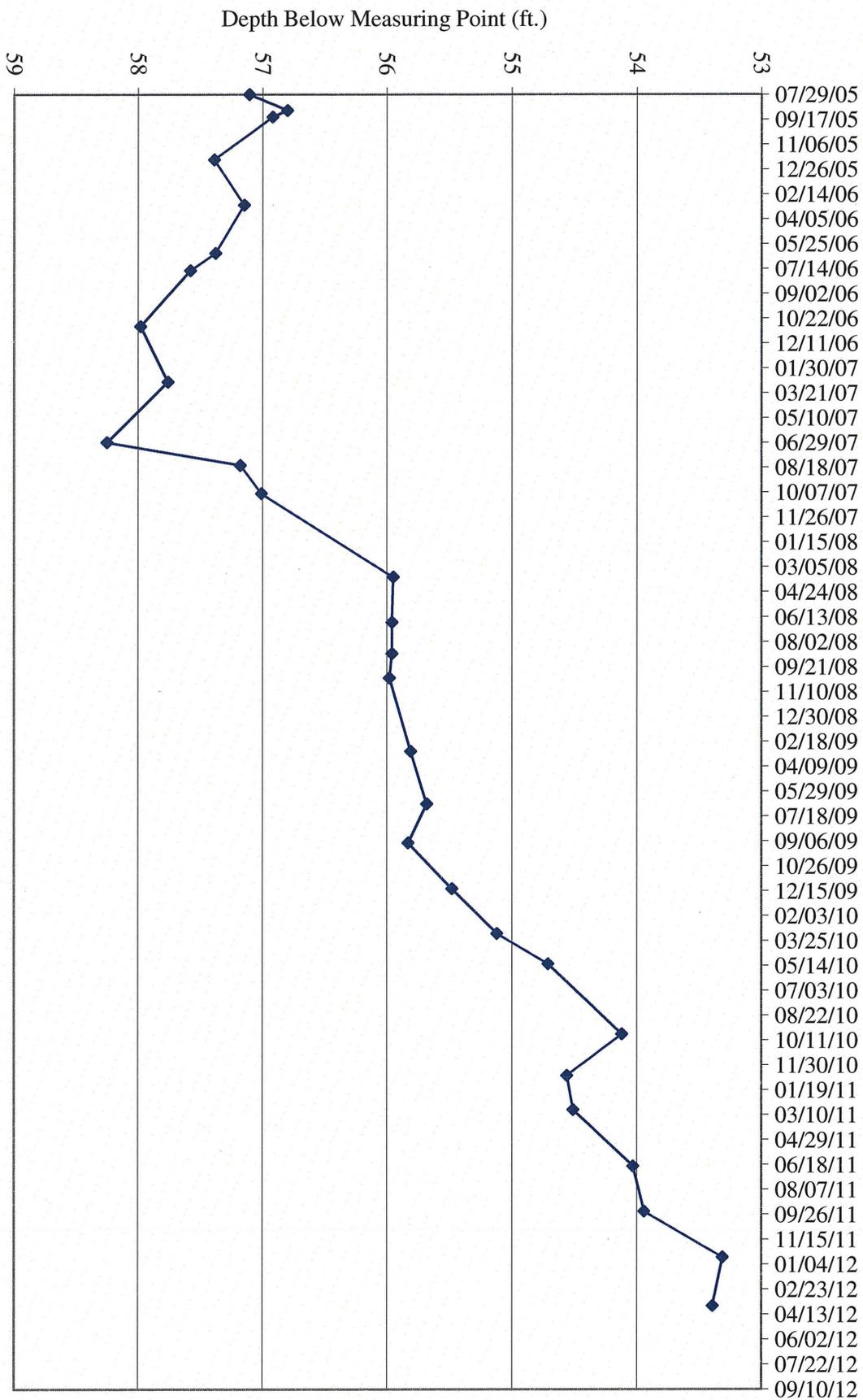


Depth Below Measuring Point (ft.)

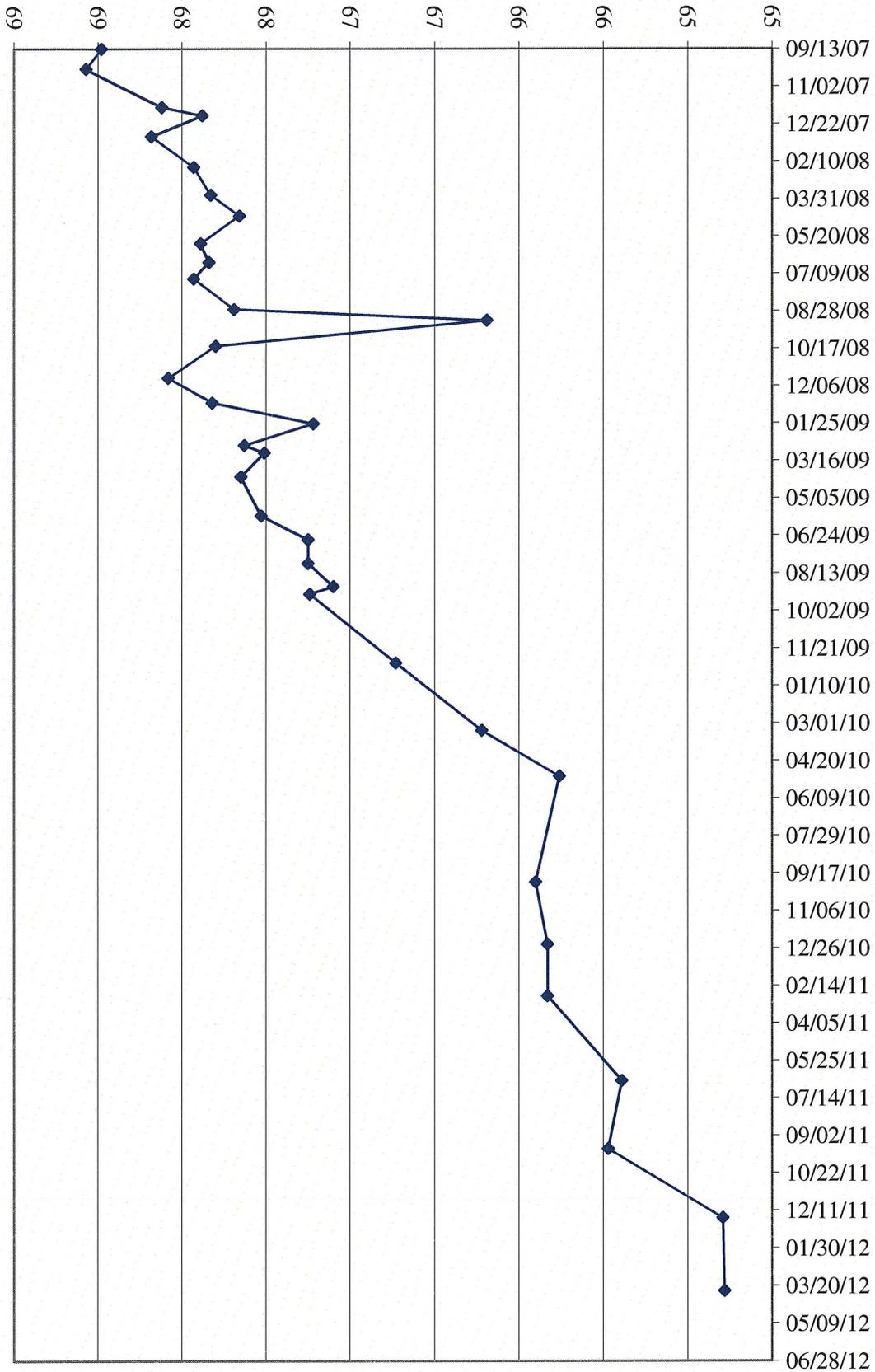


Depth Below Measuring Point (ft.)

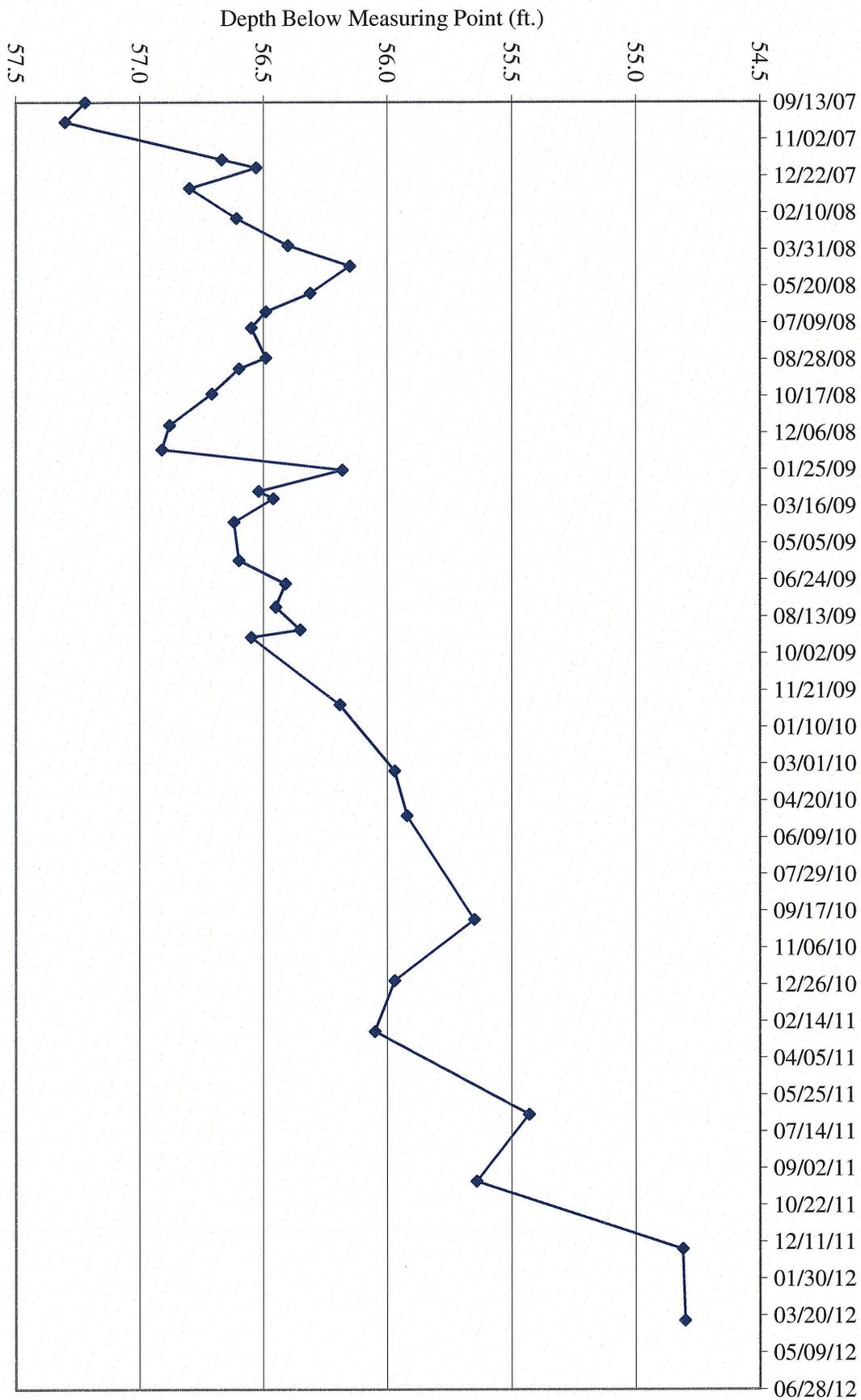


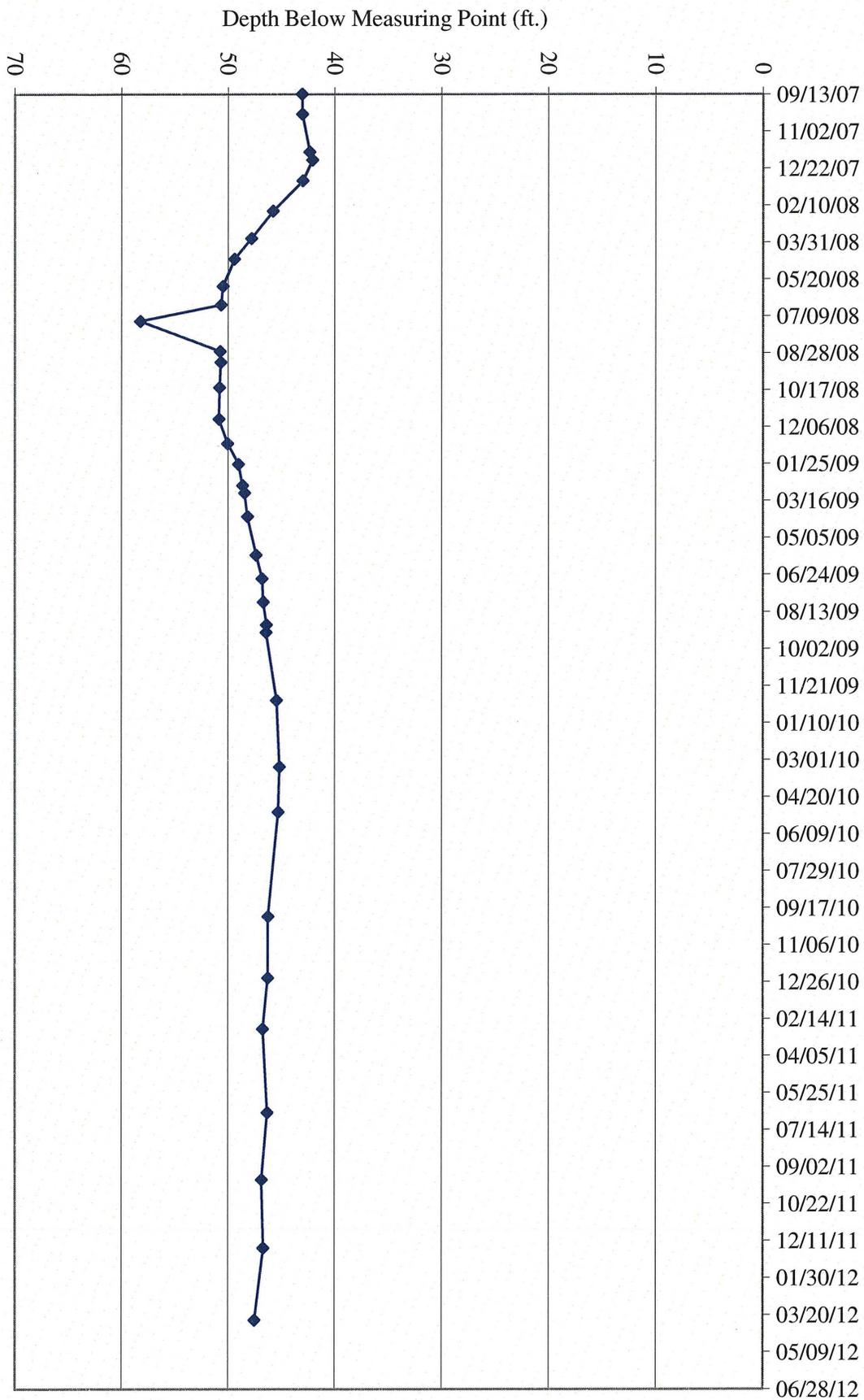


Depth Below Measuring Point (ft.)



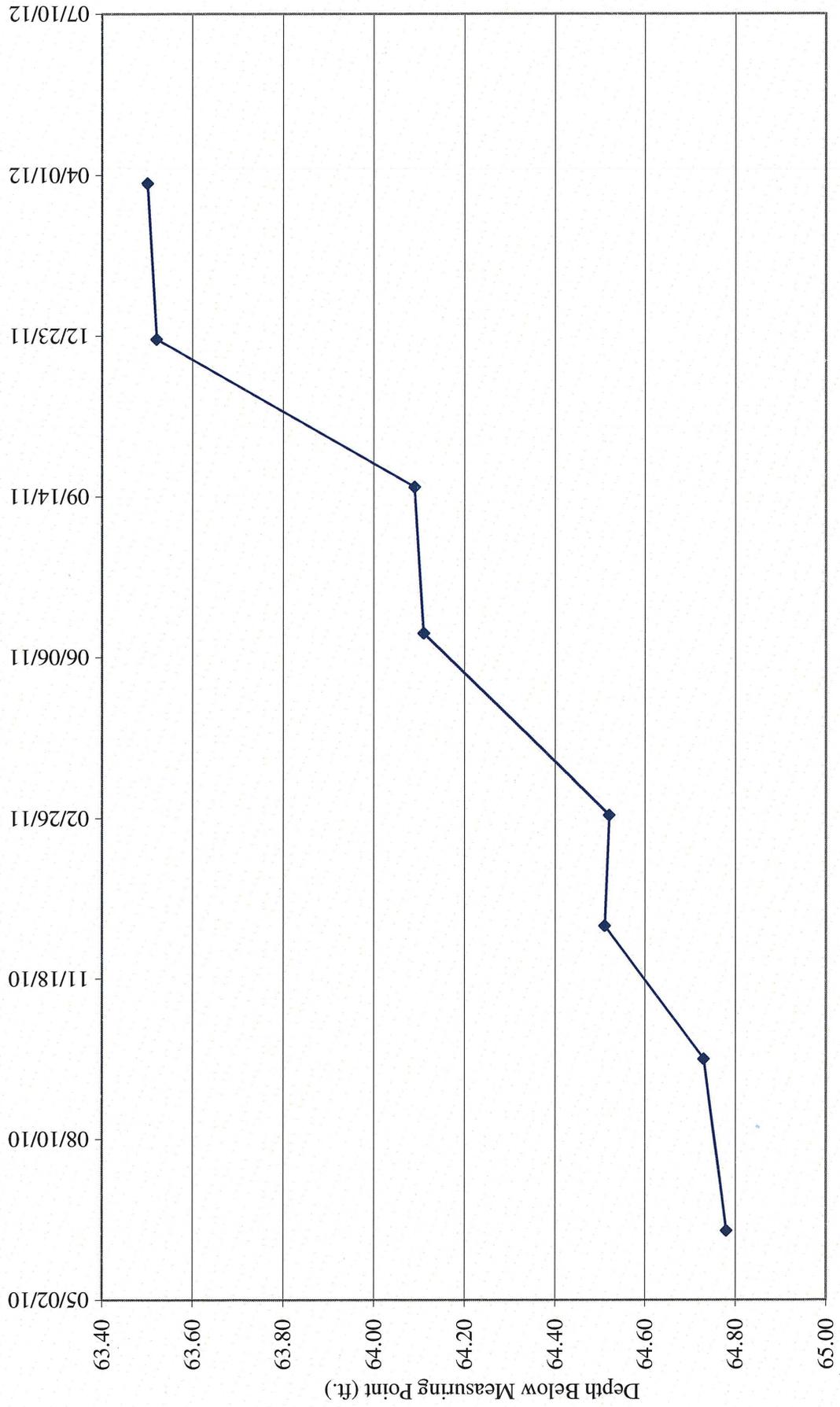
TW4-23 Water Depth Over Time (ft. blmp)



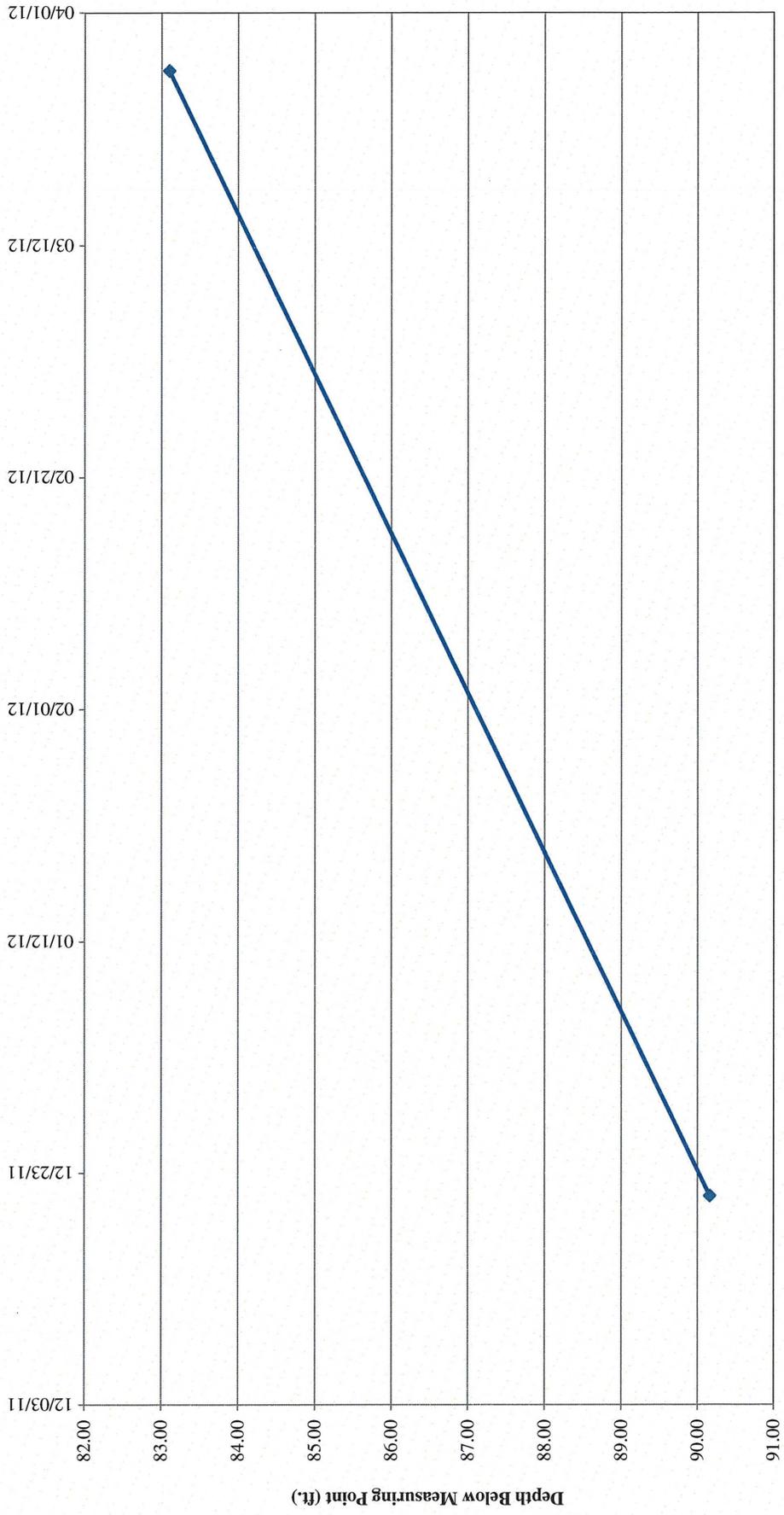


TW4-25 Water Depth Over Time (ft. blmp)

TW4-26 Water Depth Over Time (ft. blmp)



TW4-27 Water Depth Over Time (ft. blmp)



Tab G

Depths to Groundwater and Elevations Over Time for Chloroform Monitoring Wells

**Water Levels and Data over Time
White Mesa Mill - Well MW4**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,527.63				09/25/79	94.70	93.14	
5,527.63				10/10/79	94.70	93.14	
5,528.43				01/10/80	93.90	92.34	
5,529.93				03/20/80	92.40	90.84	
5,528.03				06/17/80	94.30	92.74	
5,528.03				09/15/80	94.30	92.74	
5,527.93				10/08/80	94.40	92.84	
5,527.93				02/12/81	94.40	92.84	
5,525.93				09/01/84	96.40	94.84	
5,528.33				12/01/84	94.00	92.44	
5,528.13				02/01/85	94.20	92.64	
5,528.33				06/01/85	94.00	92.44	
5,528.93				09/01/85	93.40	91.84	
5,528.93				10/01/85	93.40	91.84	
5,528.93				11/01/85	93.40	91.84	
5,528.83				12/01/85	93.50	91.94	
5,512.33				03/01/86	110.00	108.44	
5,528.91				06/19/86	93.42	91.86	
5,528.83				09/01/86	93.50	91.94	
5,529.16				12/01/86	93.17	91.61	
5,526.66				02/20/87	95.67	94.11	
5,529.16				04/28/87	93.17	91.61	
5,529.08				08/14/87	93.25	91.69	
5,529.00				11/20/87	93.33	91.77	
5,528.75				01/26/88	93.58	92.02	
5,528.91				06/01/88	93.42	91.86	
5,528.25				08/23/88	94.08	92.52	
5,529.00				11/02/88	93.33	91.77	
5,528.33				03/09/89	94.00	92.44	
5,529.10				06/21/89	93.23	91.67	
5,529.06				09/01/89	93.27	91.71	
5,529.21				11/15/89	93.12	91.56	
5,529.22				02/16/90	93.11	91.55	
5,529.43				05/08/90	92.90	91.34	
5,529.40				08/07/90	92.93	91.37	
5,529.53				11/13/90	92.80	91.24	
5,529.86				02/27/91	92.47	90.91	
5,529.91				05/21/91	92.42	90.86	
5,529.77				08/27/91	92.56	91.00	
5,529.79				12/03/91	92.54	90.98	
5,530.13				03/17/92	92.20	90.64	
5,529.85				06/11/92	92.48	90.92	
5,529.90				09/13/92	92.43	90.87	

**Water Levels and Data over Time
White Mesa Mill - Well MW4**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,529.92				12/09/92	92.41	90.85	
5,530.25				03/24/93	92.08	90.52	
5,530.20				06/08/93	92.13	90.57	
5,530.19				09/22/93	92.14	90.58	
5,529.75				12/14/93	92.58	91.02	
5,530.98				03/24/94	91.35	89.79	
5,531.35				06/15/94	90.98	89.42	
5,531.62				08/18/94	90.71	89.15	
5,532.58				12/13/94	89.75	88.19	
5,533.42				03/16/95	88.91	87.35	
5,534.70				06/27/95	87.63	86.07	
5,535.44				09/20/95	86.89	85.33	
5,537.16				12/11/95	85.17	83.61	
5,538.37				03/28/96	83.96	82.40	
5,539.10				06/07/96	83.23	81.67	
5,539.13				09/16/96	83.20	81.64	
5,542.29				03/20/97	80.04	78.48	
5,551.58				04/07/99	70.75	69.19	
5,552.08				05/11/99	70.25	68.69	
5,552.83				07/06/99	69.50	67.94	
5,553.47				09/28/99	68.86	67.30	
5,554.63				01/03/00	67.70	66.14	
5,555.13				04/04/00	67.20	65.64	
5,555.73				05/02/00	66.60	65.04	
5,556.03				05/11/00	66.30	64.74	
5,555.73				05/15/00	66.60	65.04	
5,555.98				05/25/00	66.35	64.79	
5,556.05				06/09/00	66.28	64.72	
5,556.18				06/16/00	66.15	64.59	
5,556.05				06/26/00	66.28	64.72	
5,556.15				07/06/00	66.18	64.62	
5,556.18				07/13/00	66.15	64.59	
5,556.17				07/18/00	66.16	64.60	
5,556.26				07/25/00	66.07	64.51	
5,556.35				08/02/00	65.98	64.42	
5,556.38				08/09/00	65.95	64.39	
5,556.39				08/15/00	65.94	64.38	
5,556.57				08/31/00	65.76	64.20	
5,556.68				09/08/00	65.65	64.09	
5,556.73				09/13/00	65.60	64.04	
5,556.82				09/20/00	65.51	63.95	
5,556.84				09/29/00	65.49	63.93	
5,556.81				10/05/00	65.52	63.96	

**Water Levels and Data over Time
White Mesa Mill - Well MW4**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,556.89				10/12/00	65.44	63.88	
5,556.98				10/19/00	65.35	63.79	
5,557.01				10/23/00	65.32	63.76	
5,557.14				11/09/00	65.19	63.63	
5,557.17				11/14/00	65.16	63.60	
5,556.95				11/21/00	65.38	63.82	
5,557.08				11/30/00	65.25	63.69	
5,557.55				12/07/00	64.78	63.22	
5,557.66				01/14/01	64.67	63.11	
5,557.78				02/09/01	64.55	62.99	
5,558.28				03/29/01	64.05	62.49	
5,558.23				04/30/01	64.10	62.54	
5,558.31				05/31/01	64.02	62.46	
5,558.49				06/22/01	63.84	62.28	
5,558.66				07/10/01	63.67	62.11	
5,559.01				08/20/01	63.32	61.76	
5,559.24				09/19/01	63.09	61.53	
5,559.26				10/02/01	63.07	61.51	
5,559.27				11/08/01	63.06	61.50	
5,559.77				12/03/01	62.56	61.00	
5,559.78				01/03/02	62.55	60.99	
5,559.96				02/06/02	62.37	60.81	
5,560.16				03/26/02	62.17	60.61	
5,560.28				04/09/02	62.05	60.49	
5,560.76				05/23/02	61.57	60.01	
5,560.58				06/05/02	61.75	60.19	
5,560.43				07/08/02	61.90	60.34	
5,560.44				08/23/02	61.89	60.33	
5,560.71				09/11/02	61.62	60.06	
5,560.89				10/23/02	61.44	59.88	
5,557.86				11/22/02	64.47	62.91	
5,561.10				12/03/02	61.23	59.67	
5,561.39				01/09/03	60.94	59.38	
5,561.41				02/12/03	60.92	59.36	
5,561.93				03/26/03	60.40	58.84	
5,561.85				04/02/03	60.48	58.92	
5,536.62				05/01/03	85.71	84.15	
5,528.56				06/09/03	93.77	92.21	
5,535.28				07/07/03	87.05	85.49	
5,534.44				08/04/03	87.89	86.33	
5,537.10				09/11/03	85.23	83.67	
5,539.96				10/02/03	82.37	80.81	
5,535.91				11/07/03	86.42	84.86	

**Water Levels and Data over Time
White Mesa Mill - Well MW4**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,550.70				12/03/03	71.63	70.07	
5,557.58				01/15/04	64.75	63.19	
5,558.80				02/10/04	63.53	61.97	
5,560.08				03/28/04	62.25	60.69	
5,560.55				04/12/04	61.78	60.22	
5,561.06				05/13/04	61.27	59.71	
5,561.48				06/18/04	60.85	59.29	
5,561.86				07/28/04	60.47	58.91	
5,529.17				08/30/04	93.16	91.60	
5,536.55				09/16/04	85.78	84.22	
5,529.00				10/11/04	93.33	91.77	
5,541.55				11/16/04	80.78	79.22	
5,541.12				12/22/04	81.21	79.65	
5,540.59				01/18/05	81.74	80.18	
5,542.85				02/28/05	79.48	77.92	
5,537.91				03/15/05	84.42	82.86	
5,548.67				04/26/05	73.66	72.10	
5,549.53				05/24/05	72.80	71.24	
5,544.36				06/30/05	77.97	76.41	
5,545.16				07/29/05	77.17	75.61	
5,544.67				09/12/05	77.66	76.10	
5,541.28				09/27/05	81.05	79.49	
5,536.96				12/07/05	85.37	83.81	
5,546.49				03/08/06	75.84	74.28	
5,546.15				06/13/06	76.18	74.62	
5,545.15				07/18/06	77.18	75.62	
5,545.91				11/17/06	76.42	74.86	
5,545.90				02/27/07	76.43	74.87	
5,548.16				05/02/07	74.17	72.61	
5,547.20				08/13/07	75.13	73.57	
5,547.20				10/10/07	75.13	73.57	
5,547.79				03/26/08	74.54	72.98	
5,545.09				06/25/08	77.24	75.68	
5,550.36				08/26/08	71.97	70.41	
5,550.39				10/14/08	71.94	70.38	
5,542.25				03/03/09	80.08	78.52	
5,542.25				06/24/09	80.08	78.52	
5,550.19				09/10/09	72.14	70.58	
5,550.94				12/11/09	71.39	69.83	
5,546.08				03/11/10	76.25	74.69	
5,550.98				05/11/10	71.35	69.79	
5,548.33				09/29/10	74.00	72.44	
5,551.01				12/21/10	71.32	69.76	

**Water Levels and Data over Time
White Mesa Mill - Well MW4**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,547.00				02/28/11	75.33	73.77	
5,557.54				06/21/11	64.79	63.23	
5,551.14				09/20/11	71.19	69.63	
5,550.32				12/21/11	72.01	70.45	
5,551.22				03/27/12	71.11	69.55	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-1**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,537.23				11/08/99	81.35	80.33	
5,537.38				11/09/99	81.20	80.18	
5,537.48				01/02/00	81.10	80.08	
5,537.48				01/10/00	81.10	80.08	
5,537.23				01/17/00	81.35	80.33	
5,537.28				01/24/00	81.30	80.28	
5,537.28				02/01/00	81.30	80.28	
5,537.18				02/07/00	81.40	80.38	
5,537.48				02/14/00	81.10	80.08	
5,537.48				02/23/00	81.10	80.08	
5,537.58				03/01/00	81.00	79.98	
5,537.68				03/08/00	80.90	79.88	
5,537.98				03/15/00	80.60	79.58	
5,537.68				03/20/00	80.90	79.88	
5,537.68				03/29/00	80.90	79.88	
5,537.43				04/04/00	81.15	80.13	
5,537.18				04/13/00	81.40	80.38	
5,537.48				04/21/00	81.10	80.08	
5,537.68				04/28/00	80.90	79.88	
5,537.58				05/01/00	81.00	79.98	
5,537.88				05/11/00	80.70	79.68	
5,537.58				05/15/00	81.00	79.98	
5,537.88				05/25/00	80.70	79.68	
5,537.88				06/09/00	80.70	79.68	
5,537.90				06/16/00	80.68	79.66	
5,537.88				06/26/00	80.70	79.68	
5,538.10				07/06/00	80.48	79.46	
5,538.04				07/13/00	80.54	79.52	
5,538.16				07/18/00	80.42	79.40	
5,538.42				07/27/00	80.16	79.14	
5,538.56				08/02/00	80.02	79.00	
5,538.68				08/09/00	79.90	78.88	
5,538.66				08/15/00	79.92	78.90	
5,538.33				08/31/00	80.25	79.23	
5,539.18				09/01/00	79.40	78.38	
5,539.12				09/08/00	79.46	78.44	
5,539.34				09/13/00	79.24	78.22	
5,539.50				09/20/00	79.08	78.06	
5,539.69				10/05/00	78.89	77.87	
5,540.33				11/09/00	78.25	77.23	
5,540.74				12/06/00	77.84	76.82	
5,542.39				01/14/01	76.19	75.17	
5,543.69				02/02/01	74.89	73.87	

Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,544.96				03/29/01	73.62	72.60	
5,545.45				04/30/01	73.13	72.11	
5,545.89				05/31/01	72.69	71.67	
5,546.19				06/21/01	72.39	71.37	
5,546.50				07/10/01	72.08	71.06	
5,547.18				08/20/01	71.40	70.38	
5,547.59				09/19/01	70.99	69.97	
5,547.84				10/02/01	70.74	69.72	
5,548.12				11/08/01	70.46	69.44	
5,548.65				12/03/01	69.93	68.91	
5,548.87				01/03/02	69.71	68.69	
5,549.37				02/06/02	69.21	68.19	
5,550.00				03/26/02	68.58	67.56	
5,550.22				04/09/02	68.36	67.34	
5,550.81				05/23/02	67.77	66.75	
5,550.79				06/05/02	67.79	66.77	
5,551.08				07/08/02	67.50	66.48	
5,551.54				08/23/02	67.04	66.02	
5,551.79				09/11/02	66.79	65.77	
5,552.19				10/23/02	66.39	65.37	
5,552.27				11/22/02	66.31	65.29	
5,552.48				12/03/02	66.10	65.08	
5,552.74				01/09/03	65.84	64.82	
5,552.92				02/12/03	65.66	64.64	
5,553.40				03/26/03	65.18	64.16	
5,553.48				04/02/03	65.10	64.08	
5,552.32				05/01/03	66.26	65.24	
5,550.53				06/09/03	68.05	67.03	
5,550.09				07/07/03	68.49	67.47	
5,549.64				08/04/03	68.94	67.92	
5,549.31				09/11/03	69.27	68.25	
5,549.58				10/02/03	69.00	67.98	
5,549.50				11/07/03	69.08	68.06	
5,550.07				12/03/03	68.51	67.49	
5,551.86				01/15/04	66.72	65.70	
5,552.57				02/10/04	66.01	64.99	
5,553.63				03/28/04	64.95	63.93	
5,554.04				04/12/04	64.54	63.52	
5,554.60				05/13/04	63.98	62.96	
5,556.28				06/18/04	62.30	61.28	
5,556.61				07/28/04	61.97	60.95	
5,554.21				08/30/04	64.37	63.35	
5,553.49				09/16/04	65.09	64.07	

Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.04
5,552.53				10/11/04	66.05	65.03	
5,552.42				11/16/04	66.16	65.14	
5,552.46				12/22/04	66.12	65.10	
5,552.07				01/18/05	66.51	65.49	
5,552.21				02/28/05	66.37	65.35	
5,552.26				03/15/05	66.32	65.30	
5,552.30				04/26/05	66.28	65.26	
5,552.25				05/24/05	66.33	65.31	
5,552.22				06/30/05	66.36	65.34	
5,552.15				07/29/05	66.43	65.41	
5,552.47				09/12/05	66.11	65.09	
5,552.50				12/07/05	66.08	65.06	
5,552.96				03/08/06	65.62	64.60	
5,553.23				06/14/06	65.35	64.33	
5,557.20				07/18/06	61.38	60.36	
5,553.32				11/07/06	65.26	64.24	
5,554.35				02/27/07	64.23	63.21	
5,554.07				05/02/07	64.51	63.49	
5,554.07				08/14/07	64.51	63.49	
5,553.88				10/10/07	64.70	63.68	
5,555.73				03/26/08	62.85	61.83	
5,556.60				06/24/08	61.98	60.96	
5,556.83				08/26/08	61.75	60.73	
5,556.87				10/14/08	61.71	60.69	
5,556.90				03/10/09	61.68	60.66	
5,556.91				06/24/09	61.67	60.65	
5,556.61				09/10/09	61.97	60.95	
5,556.78				12/11/09	61.8	60.78	
5,556.75				03/11/10	61.83	60.81	
5,556.19				05/11/10	62.39	61.37	
5,555.26				09/29/10	63.32	62.30	
5,554.66				12/21/10	63.92	62.90	
5,554.74				02/28/11	63.84	62.82	
5,554.57				06/21/11	64.01	62.99	
5,554.13				09/20/11	64.45	63.43	
5,554.54				12/21/11	64.04	63.02	
5,553.64				03/27/12	64.94	63.92	

Water Levels and Data over Time
White Mesa Mill - Well TW4-2

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,548.57				11/08/99	76.15	74.53	
5,548.57				11/09/99	76.15	74.53	
5,548.32				01/02/00	76.40	74.78	
5,548.52				01/10/00	76.20	74.58	
5,548.32				01/17/00	76.40	74.78	
5,548.72				01/24/00	76.00	74.38	
5,548.62				02/01/00	76.10	74.48	
5,548.62				02/07/00	76.10	74.48	
5,549.02				02/14/00	75.70	74.08	
5,549.12				02/23/00	75.60	73.98	
5,549.22				03/01/00	75.50	73.88	
5,549.32				03/08/00	75.40	73.78	
5,549.22				03/15/00	75.50	73.88	
5,549.92				03/20/00	74.80	73.18	
5,549.72				03/29/00	75.00	73.38	
5,549.42				04/04/00	75.30	73.68	
5,549.52				04/13/00	75.20	73.58	
5,549.72				04/21/00	75.00	73.38	
5,549.82				04/28/00	74.90	73.28	
5,549.82				05/01/00	74.90	73.28	
5,550.12				05/11/00	74.60	72.98	
5,549.82				05/15/00	74.90	73.28	
5,550.12				05/25/00	74.60	72.98	
5,550.12				06/09/00	74.60	72.98	
5,550.22				06/16/00	74.50	72.88	
5,550.07				06/26/00	74.65	73.03	
5,550.17				07/06/00	74.55	72.93	
5,550.17				07/13/00	74.55	72.93	
5,550.18				07/18/00	74.54	72.92	
5,550.33				07/27/00	74.39	72.77	
5,550.38				08/02/00	74.34	72.72	
5,550.40				08/09/00	74.32	72.70	
5,550.42				08/15/00	74.30	72.68	
5,550.54				08/31/00	74.18	72.56	
5,550.87				09/08/00	73.85	72.23	
5,550.97				09/13/00	73.75	72.13	
5,551.04				09/20/00	73.68	72.06	
5,545.83				10/05/00	78.89	77.27	
5,546.47				11/09/00	78.25	76.63	
5,546.88				12/06/00	77.84	76.22	
5,552.18				01/26/01	72.54	70.92	
5,552.20				02/02/01	72.52	70.90	
5,551.10				03/29/01	73.62	72.00	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-2**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,551.59				04/30/01	73.13	71.51	
5,552.03				05/31/01	72.69	71.07	
5,552.33				06/21/01	72.39	70.77	
5,552.64				07/10/01	72.08	70.46	
5,553.32				08/20/01	71.40	69.78	
5,553.73				09/19/01	70.99	69.37	
5,553.98				10/02/01	70.74	69.12	
5,554.14				11/08/01	70.58	68.96	
5,554.79				12/03/01	69.93	68.31	
5,554.74				01/03/02	69.98	68.36	
5,554.91				02/06/02	69.81	68.19	
5,555.15				03/26/02	69.57	67.95	
5,555.39				04/09/02	69.33	67.71	
5,555.73				05/23/02	68.99	67.37	
5,555.79				06/05/02	68.93	67.31	
5,555.91				07/08/02	68.81	67.19	
5,556.04				08/23/02	68.68	67.06	
5,556.25				09/11/02	68.47	66.85	
5,556.72				10/23/02	68.00	66.38	
5,556.42				11/22/02	68.30	66.68	
5,557.01				12/03/02	67.71	66.09	
5,557.20				01/09/03	67.52	65.90	
5,557.35				02/12/03	67.37	65.75	
5,557.83				03/26/03	66.89	65.27	
5,557.87				04/02/03	66.85	65.23	
5,553.71				05/01/03	71.01	69.39	
5,548.98				06/09/03	75.74	74.12	
5,548.14				07/07/03	76.58	74.96	
5,547.75				08/04/03	76.97	75.35	
5,547.22				09/11/03	77.50	75.88	
5,547.68				10/02/03	77.04	75.42	
5,547.52				11/07/03	77.20	75.58	
5,548.29				12/03/03	76.43	74.81	
5,554.00				01/15/04	70.72	69.10	
5,555.46				02/10/04	69.26	67.64	
5,556.90				03/28/04	67.82	66.20	
5,557.49				04/12/04	67.23	65.61	
5,558.07				05/13/04	66.65	65.03	
5,558.19				06/18/04	66.53	64.91	
5,559.00				07/28/04	65.72	64.10	
5,554.26				08/30/04	70.46	68.84	
5,551.97				09/16/04	72.75	71.13	
5,549.65				10/11/04	75.07	73.45	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-2**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				121.125
5,549.89				11/16/04	74.83	73.21	
5,550.37				12/22/04	74.35	72.73	
5,549.95				01/18/05	74.77	73.15	
5,550.09				02/28/05	74.63	73.01	
5,550.13				03/15/05	74.59	72.97	
5,550.18				04/26/05	74.54	72.92	
5,550.32				05/24/05	74.40	72.78	
5,550.21				06/30/05	74.51	72.89	
5,550.11				07/29/05	74.61	72.99	
5,550.33				09/12/05	74.39	72.77	
5,550.29				12/07/05	74.43	72.81	
5,551.30				03/08/06	73.42	71.80	
5,551.42				06/14/06	73.3	71.68	
5,550.52				07/18/06	74.20	72.58	
5550.52				11/07/06	74.20	72.58	
5552.89				02/27/07	71.83	70.21	
5,552.06				05/02/07	72.66	71.04	
5,552.02				08/14/07	72.7	71.08	
5,552.20				10/10/07	72.52	70.90	
5,554.58				03/26/08	70.14	68.52	
5,555.23				06/24/08	69.49	67.87	
5,555.29				08/26/08	69.43	67.81	
5,555.43				10/14/08	69.29	67.67	
5,555.73				03/10/09	68.99	67.37	
5,556.25				06/24/09	68.47	66.85	
5,555.94				09/10/09	68.78	67.16	
5,556.53				12/11/09	68.19	66.57	
5,557.87				03/11/10	66.85	65.23	
5,557.63				05/11/10	67.09	65.47	
5,557.24				09/29/10	67.48	65.86	
5,557.00				12/21/10	67.72	66.10	
5,557.61				02/28/11	67.11	65.49	
5,557.58				06/21/11	67.14	65.52	
5,557.46				09/20/11	67.26	65.64	
5,557.84				12/21/11	66.88	65.26	
5,557.86				03/27/12	66.86	65.24	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,565.78				11/29/99	66.45	65.43	
5,566.93				01/02/00	65.30	64.28	
5,567.03				01/10/00	65.20	64.18	
5,566.83				01/17/00	65.40	64.38	
5,567.13				01/24/00	65.10	64.08	
5,567.33				02/01/00	64.90	63.88	
5,567.13				02/07/00	65.10	64.08	
5,567.43				02/14/00	64.80	63.78	
5,567.63				02/23/00	64.60	63.58	
5,567.73				03/01/00	64.50	63.48	
5,567.83				03/08/00	64.40	63.38	
5,567.70				03/15/00	64.53	63.51	
5,568.03				03/20/00	64.20	63.18	
5,567.93				03/29/00	64.30	63.28	
5,567.63				04/04/00	64.60	63.58	
5,567.83				04/13/00	64.40	63.38	
5,568.03				04/21/00	64.20	63.18	
5,568.23				04/28/00	64.00	62.98	
5,568.13				05/01/00	64.10	63.08	
5,568.53				05/11/00	63.70	62.68	
5,568.23				05/15/00	64.00	62.98	
5,568.53				05/25/00	63.70	62.68	
5,568.61				06/09/00	63.62	62.60	
5,568.69				06/16/00	63.54	62.52	
5,568.45				06/26/00	63.78	62.76	
5,568.61				07/06/00	63.62	62.60	
5,568.61				07/06/00	63.62	62.60	
5,568.49				07/13/00	63.74	62.72	
5,568.55				07/18/00	63.68	62.66	
5,568.65				07/27/00	63.58	62.56	
5,568.73				08/02/00	63.50	62.48	
5,568.77				08/09/00	63.46	62.44	
5,568.76				08/16/00	63.47	62.45	
5,568.95				08/31/00	63.28	62.26	
5,568.49				09/08/00	63.74	62.72	
5,568.67				09/13/00	63.56	62.54	
5,568.96				09/20/00	63.27	62.25	
5,568.93				10/05/00	63.3	62.28	
5,569.34				11/09/00	62.89	61.87	
5,568.79				12/06/00	63.44	62.42	
5,569.11				01/03/01	63.12	62.10	
5,569.75				02/09/01	62.48	61.46	
5,570.34				03/28/01	61.89	60.87	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-3**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,570.61				04/30/01	61.62	60.60	
5,570.70				05/31/01	61.53	60.51	
5,570.88				06/21/01	61.35	60.33	
5,571.02				07/10/01	61.21	60.19	
5,571.70				08/20/01	60.53	59.51	
5,572.12				09/19/01	60.11	59.09	
5,572.08				10/02/01	60.15	59.13	
5,572.78				11/08/01	59.45	58.43	
5,573.27				12/03/01	58.96	57.94	
5,573.47				01/03/02	58.76	57.74	
5,573.93				02/06/02	58.30	57.28	
5,574.75				03/26/02	57.48	56.46	
5,574.26				04/09/02	57.97	56.95	
5,575.39				05/23/02	56.84	55.82	
5,574.84				06/05/02	57.39	56.37	
5,575.33				07/08/02	56.90	55.88	
5,575.79				08/23/02	56.44	55.42	
5,576.08				09/11/02	56.15	55.13	
5,576.30				10/23/02	55.93	54.91	
5,576.35				11/22/02	55.88	54.86	
5,576.54				12/03/02	55.69	54.67	
5,576.96				01/09/03	55.27	54.25	
5,577.11				02/12/03	55.12	54.10	
5,577.61				03/26/03	54.62	53.60	
5,572.80				04/02/03	59.43	58.41	
5,577.89				05/01/03	54.34	53.32	
5,577.91				06/09/03	54.32	53.30	
5,577.53				07/07/03	54.70	53.68	
5,577.50				08/04/03	54.73	53.71	
5,577.71				09/11/03	54.52	53.50	
5,577.31				10/02/03	54.92	53.90	
5,577.33				11/07/03	54.90	53.88	
5,577.34				12/03/03	54.89	53.87	
5,578.24				01/15/04	53.99	52.97	
5,578.38				02/10/04	53.85	52.83	
5,578.69				03/28/04	53.54	52.52	
5,579.15				04/12/04	53.08	52.06	
5,579.47				05/13/04	52.76	51.74	
5,579.53				06/18/04	52.70	51.68	
5,580.17				07/28/04	52.06	51.04	
5,580.20				08/30/04	52.03	51.01	
5,580.26				09/16/04	51.97	50.95	
5,580.12				10/11/04	52.11	51.09	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-3**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				141
5,579.93				11/16/04	52.30	51.28	
5,580.07				12/22/04	52.16	51.14	
5,579.80				01/18/05	52.43	51.41	
5,580.35				02/28/05	51.88	50.86	
5,580.57				03/15/05	51.66	50.64	
5,580.86				04/26/05	51.37	50.35	
5,581.20				05/24/05	51.03	50.01	
5,581.51				06/30/05	50.72	49.70	
5,581.55				07/29/05	50.68	49.66	
5,581.68				09/12/05	50.55	49.53	
5,581.83				12/07/05	50.4	49.38	
5,564.92				03/08/06	67.31	66.29	
5,582.73				06/13/06	49.50	48.48	
5,582.33				07/18/06	49.90	48.88	
5,582.75				11/07/06	49.48	48.46	
5583.35				02/27/07	48.88	47.86	
5,559.57				05/02/07	72.66	71.64	
5,583.29				08/14/07	48.94	47.92	
5,583.49				10/10/07	48.74	47.72	
5,584.95				03/26/08	47.28	46.26	
5,584.59				06/24/08	47.64	46.62	
5,584.55				08/26/08	47.68	46.66	
5,584.03				10/14/08	48.2	47.18	
5,583.64				03/03/09	48.59	47.57	
5,587.34				06/24/09	44.89	43.87	
5,582.90				09/10/09	49.33	48.31	
5,583.27				12/11/09	48.96	47.94	
5,583.63				03/11/10	48.6	47.58	
5,583.82				05/11/10	48.41	47.39	
5,583.51				09/29/10	48.72	47.70	
5,582.86				12/21/10	49.37	48.35	
5,582.60				02/28/11	49.63	48.61	
5,590.00				06/21/11	42.23	41.21	
5,582.70				09/20/11	49.53	48.51	
5,583.05				12/21/11	49.18	48.16	
5,581.93				03/27/12	50.30	49.28	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-4**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,512.145				05/25/00	101.34	100.16	
5,518.985				06/09/00	94.50	93.32	
5,512.145				06/16/00	101.34	100.16	
5,517.465				06/26/00	96.02	94.84	
5,520.145				07/06/00	93.34	92.16	
5,521.435				07/13/00	92.05	90.87	
5,522.005				07/18/00	91.48	90.30	
5,522.945				07/27/00	90.54	89.36	
5,523.485				08/02/00	90.00	88.82	
5,523.845				08/09/00	89.64	88.46	
5,523.885				08/15/00	89.60	88.42	
5,524.555				09/01/00	88.93	87.75	
5,513.235				09/08/00	100.25	99.07	
5,516.665				09/13/00	96.82	95.64	
5,519.085				09/20/00	94.40	93.22	
5,522.165				10/05/00	91.32	90.14	
5,524.665				11/09/00	88.82	87.64	
5,518.545				12/06/00	94.94	93.76	
5,527.695				01/03/01	85.79	84.61	
5,529.085				02/09/01	84.40	83.22	
5,529.535				03/27/01	83.95	82.77	
5,530.235				04/30/01	83.25	82.07	
5,530.265				05/31/01	83.22	82.04	
5,534.405				06/22/01	79.08	77.90	
5,533.145				07/10/01	80.34	79.16	
5,534.035				08/20/01	79.45	78.27	
5,534.465				09/19/01	79.02	77.84	
5,533.285				10/02/01	80.20	79.02	
5,533.865				11/08/01	79.62	78.44	
5,534.275				12/03/01	79.21	78.03	
5,534.715				01/03/02	78.77	77.59	
5,535.435				02/06/02	78.05	76.87	
5,536.445				03/26/02	77.04	75.86	
5,536.405				04/09/02	77.08	75.90	
5,537.335				05/23/02	76.15	74.97	
5,537.325				06/05/02	76.16	74.98	
5,537.975				07/08/02	75.51	74.33	
5,538.825				08/23/02	74.66	73.48	
5,539.275				09/11/02	74.21	73.03	
5,539.765				10/23/02	73.72	72.54	
5,540.205				11/22/02	73.28	72.10	
5,540.295				12/03/02	73.19	72.01	
5,540.795				01/09/03	72.69	71.51	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-4**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,540.985				02/12/03	72.50	71.32	
5,541.675				03/26/03	71.81	70.63	
5,541.765				04/02/03	71.72	70.54	
5,541.885				05/01/03	71.60	70.42	
5,542.025				06/09/03	71.46	70.28	
5,541.925				07/07/03	71.56	70.38	
5,541.885				08/04/03	71.60	70.42	
5,541.825				09/11/03	71.66	70.48	
5,541.885				10/02/03	71.60	70.42	
5,541.995				11/07/03	71.49	70.31	
5,542.005				12/03/03	71.48	70.30	
5,542.555				01/15/04	70.93	69.75	
5,542.705				02/10/04	70.78	69.60	
5,543.225				03/28/04	70.26	69.08	
5,543.555				04/12/04	69.93	68.75	
5,543.865				05/13/04	69.62	68.44	
5,543.915				06/18/04	69.57	68.39	
5,544.655				07/28/04	68.83	67.65	
5,544.795				08/30/04	68.69	67.51	
5,544.845				09/16/04	68.64	67.46	
5,544.705				10/11/04	68.78	67.60	
5,544.525				11/16/04	68.96	67.78	
5,544.625				12/22/04	68.86	67.68	
5,544.305				01/18/05	69.18	68.00	
5,544.585				02/28/05	68.90	67.72	
5,544.685				03/15/05	68.80	67.62	
5,544.675				04/26/05	68.81	67.63	
5,544.785				05/24/05	68.70	67.52	
5,544.795				06/30/05	68.69	67.51	
5,544.775				07/29/05	68.71	67.53	
5,545.005				09/12/05	68.48	67.30	
5,545.225				12/07/05	68.26	67.08	
5,545.735				03/08/06	67.75	66.57	
5,545.785				06/14/06	67.70	66.52	
5,545.855				07/18/06	67.63	66.45	
5,545.805				11/07/06	67.68	66.50	
5,546.675				02/27/07	66.81	65.63	
5,546.535				05/02/07	66.95	65.77	
5,547.155				08/15/07	66.33	65.15	
5,547.215				10/10/07	66.27	65.09	
5,548.305				03/26/08	65.18	64.00	
5,548.865				06/24/08	64.62	63.44	
5,549.235				08/26/08	64.25	63.07	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,549.305				10/14/08	64.18	63.00	
5,549.725				03/03/09	63.76	62.58	
5,549.905				06/24/09	63.58	62.40	
5,549.695				09/10/09	63.79	62.61	
5,549.865				12/11/09	63.62	62.44	
5,545.60				03/11/10	67.89	66.71	
5,530.88				05/11/10	82.61	81.43	
5,545.24				09/29/10	68.25	67.07	
5,533.66				12/21/10	79.83	78.65	
5,544.44				02/28/11	69.05	67.87	
5,543.73				06/21/11	69.76	68.58	
5,540.48				09/20/11	73.01	71.83	
5,544.36				12/21/11	69.13	67.95	
5,543.48				03/27/12	70.01	68.83	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-5**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,579.30				01/02/00	61.40	59.45	
5,579.60				01/10/00	61.10	59.15	
5,579.35				01/17/00	61.35	59.40	
5,579.60				01/24/00	61.10	59.15	
5,579.50				02/01/00	61.20	59.25	
5,579.50				02/07/00	61.20	59.25	
5,579.90				02/14/00	60.80	58.85	
5,579.90				02/23/00	60.80	58.85	
5,580.20				03/01/00	60.50	58.55	
5,580.00				03/08/00	60.70	58.75	
5,580.04				03/15/00	60.66	58.71	
5,580.70				03/20/00	60.00	58.05	
5,580.30				03/29/00	60.40	58.45	
5,580.00				04/04/00	60.70	58.75	
5,580.20				04/13/00	60.50	58.55	
5,580.40				04/21/00	60.30	58.35	
5,580.50				04/28/00	60.20	58.25	
5,580.50				05/01/00	60.20	58.25	
5,580.90				05/11/00	59.80	57.85	
5,580.50				05/15/00	60.20	58.25	
5,580.75				05/25/00	59.95	58.00	
5,580.80				06/09/00	59.90	57.95	
5,580.92				06/16/00	59.78	57.83	
5,580.80				06/26/00	59.90	57.95	
5,580.90				07/06/00	59.80	57.85	
5,581.05				07/13/00	59.65	57.70	
5,580.90				07/18/00	59.80	57.85	
5,581.05				07/27/00	59.65	57.70	
5,581.06				08/02/00	59.64	57.69	
5,581.08				08/09/00	59.62	57.67	
5,581.07				08/16/00	59.63	57.68	
5,581.25				08/31/00	59.45	57.50	
5,581.32				09/08/00	59.38	57.43	
5,581.34				09/13/00	59.36	57.41	
5,581.41				09/20/00	59.29	57.34	
5,581.37				10/05/00	59.33	57.38	
5,581.66				11/09/00	59.04	57.09	
5,581.63				12/06/00	59.07	57.12	
5,581.92				01/03/01	58.78	56.83	
5,582.20				02/09/01	58.50	56.55	
5,582.54				03/28/01	58.16	56.21	
5,582.72				04/30/01	57.98	56.03	
5,582.72				05/31/01	57.98	56.03	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,582.81				06/22/01	57.89	55.94	
5,582.92				07/10/01	57.78	55.83	
5,583.17				08/20/01	57.53	55.58	
5,583.28				09/19/01	57.42	55.47	
5,583.36				10/02/01	57.34	55.39	
5,583.49				11/08/01	57.21	55.26	
5,583.84				12/03/01	56.86	54.91	
5,583.79				01/03/02	56.91	54.96	
5,583.96				02/06/02	56.74	54.79	
5,584.39				03/26/02	56.31	54.36	
5,584.12				04/09/02	56.58	54.63	
5,584.55				05/23/02	56.15	54.20	
5,584.42				06/05/02	56.28	54.33	
5,583.65				07/08/02	57.05	55.10	
5,584.90				08/23/02	55.80	53.85	
5,585.02				09/11/02	55.68	53.73	
5,585.20				10/23/02	55.50	53.55	
5,585.15				11/22/02	55.55	53.60	
5,585.42				12/03/02	55.28	53.33	
5,585.65				01/09/03	55.05	53.10	
5,585.65				02/12/03	55.05	53.10	
5,585.92				03/26/03	54.78	52.83	
5,586.22				04/02/03	54.48	52.53	
5,586.01				05/01/03	54.69	52.74	
5,584.81				06/09/03	55.89	53.94	
5,584.34				07/07/03	56.36	54.41	
5,584.40				08/04/03	56.30	54.35	
5,583.88				09/11/03	56.82	54.87	
5,583.57				10/02/03	57.13	55.18	
5,583.39				11/07/03	57.31	55.36	
5,583.97				12/03/03	56.73	54.78	
5,585.28				01/15/04	55.42	53.47	
5,585.50				02/10/04	55.20	53.25	
5,585.87				03/28/04	54.83	52.88	
5,586.20				04/12/04	54.50	52.55	
5,586.45				05/13/04	54.25	52.30	
5,586.50				06/18/04	54.20	52.25	
5,587.13				07/28/04	53.57	51.62	
5,586.22				08/30/04	54.48	52.53	
5,585.69				09/16/04	55.01	53.06	
5,585.17				10/11/04	55.53	53.58	
5,584.64				11/16/04	56.06	54.11	
5,584.77				12/22/04	55.93	53.98	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-5**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,584.65				01/18/05	56.05	54.10	
5,584.98				02/28/05	55.72	53.77	
5,585.15				03/15/05	55.55	53.60	
5,586.25				04/26/05	54.45	52.50	
5,586.79				05/24/05	53.91	51.96	
5,586.52				06/30/05	54.18	52.23	
5,586.03				07/29/05	54.67	52.72	
5,586.05				09/12/05	54.65	52.70	
5,585.80				12/07/05	54.90	52.95	
5,587.06				03/08/06	53.64	51.69	
5,585.90				06/13/06	54.80	52.85	
5,585.32				07/18/06	55.38	53.43	
5,585.35				11/07/06	55.35	53.40	
5,585.81				02/27/07	54.89	52.94	
5,585.20				05/02/07	55.50	53.55	
5,586.66				08/14/07	54.04	52.09	
5,586.80				10/10/07	53.90	51.95	
5,588.48				03/26/08	52.22	50.27	
5,586.51				06/24/08	54.19	52.24	
5,586.45				08/26/08	54.25	52.30	
5,585.40				10/14/08	55.3	53.35	
5,584.80				03/03/09	55.9	53.95	
5,584.73				06/24/09	55.97	54.02	
5,584.36				09/10/09	56.34	54.39	
5,585.02				12/11/09	55.68	53.73	
5,585.66				03/11/10	55.04	53.09	
5,584.86				05/11/10	55.84	53.89	
5,584.55				09/29/10	56.15	54.20	
5,584.17				12/21/10	56.53	54.58	
5,583.55				02/28/11	57.15	55.20	
5,584.72				06/21/11	55.98	54.03	
5,584.62				09/20/11	56.08	54.13	
5,585.04				11/21/11	55.66	53.71	
5,583.89				03/27/12	56.81	54.86	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,522.28				05/25/00	86.50	85.05	
5,521.51				06/09/00	87.27	85.82	
5,522.35				06/16/00	86.43	84.98	
5,522.14				06/26/00	86.64	85.19	
5,522.25				07/06/00	86.53	85.08	
5,522.13				07/13/00	86.65	85.20	
5,522.17				07/18/00	86.61	85.16	
5,522.26				07/25/00	86.52	85.07	
5,522.31				08/02/00	86.47	85.02	
5,522.33				08/09/00	86.45	85.00	
5,522.35				08/15/00	86.43	84.98	
5,522.40				08/31/00	86.38	84.93	
5,522.40				09/08/00	86.38	84.93	
5,522.45				09/13/00	86.33	84.88	
5,522.53				09/20/00	86.25	84.80	
5,522.39				10/05/00	86.39	84.94	
5,522.42				11/09/00	86.36	84.91	
5,522.29				12/06/00	86.49	85.04	
5,522.63				01/03/01	86.15	84.70	
5,522.72				02/09/01	86.06	84.61	
5,522.90				03/26/01	85.88	84.43	
5,522.70				04/30/01	86.08	84.63	
5,522.89				05/31/01	85.89	84.44	
5,522.88				06/20/01	85.90	84.45	
5,522.96				07/10/01	85.82	84.37	
5,523.10				08/20/01	85.68	84.23	
5,523.23				09/19/01	85.55	84.10	
5,523.21				10/02/01	85.57	84.12	
5,523.25				11/08/01	85.53	84.08	
5,523.46				12/03/01	85.32	83.87	
5,523.36				01/03/02	85.42	83.97	
5,523.50				02/06/02	85.28	83.83	
5,523.94				03/26/02	84.84	83.39	
5,523.75				04/09/02	85.03	83.58	
5,524.23				05/23/02	84.55	83.10	
5,523.98				06/05/02	84.80	83.35	
5,524.31				07/08/02	84.47	83.02	
5,524.36				08/23/02	84.42	82.97	
5,524.49				09/11/02	84.29	82.84	
5,524.71				10/23/02	84.07	82.62	
5,524.60				11/22/02	84.18	82.73	
5,524.94				12/03/02	83.84	82.39	
5,525.10				01/09/03	83.68	82.23	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,525.15				02/12/03	83.63	82.18	
5,525.35				03/26/03	83.43	81.98	
5,525.68				04/02/03	83.10	81.65	
5,525.74				05/01/03	83.04	81.59	
5,525.98				06/09/03	82.80	81.35	
5,526.04				07/07/03	82.74	81.29	
5,526.07				08/04/03	82.71	81.26	
5,526.42				09/11/03	82.36	80.91	
5,526.30				10/02/03	82.48	81.03	
5,526.41				11/07/03	82.37	80.92	
5,526.46				12/03/03	82.32	80.87	
5,526.83				01/15/04	81.95	80.50	
5,526.81				02/10/04	81.97	80.52	
5,527.14				03/28/04	81.64	80.19	
5,527.39				04/12/04	81.39	79.94	
5,527.64				05/13/04	81.14	79.69	
5,527.70				06/18/04	81.08	79.63	
5,528.16				07/28/04	80.62	79.17	
5,528.30				08/30/04	80.48	79.03	
5,528.52				09/16/04	80.26	78.81	
5,528.71				10/11/04	80.07	78.62	
5,528.74				11/16/04	80.04	78.59	
5,529.20				12/22/04	79.58	78.13	
5,528.92				01/18/05	79.86	78.41	
5,529.51				02/28/05	79.27	77.82	
5,529.74				03/15/05	79.04	77.59	
5,529.96				04/26/05	78.82	77.37	
5,530.15				05/24/05	78.63	77.18	
5,530.35				06/30/05	78.43	76.98	
5,530.47				07/29/05	78.31	76.86	
5,530.95				09/12/05	77.83	76.38	
5,531.50				12/07/05	77.28	75.83	
5,532.43				03/08/06	76.35	74.90	
5,533.49				06/13/06	75.29	73.84	
5,532.58				07/18/06	76.20	74.75	
5,532.88				11/07/06	75.90	74.45	
5534.09				02/27/07	74.69	73.24	
5,534.04				05/02/07	74.74	73.29	
5,534.43				08/14/07	74.35	72.90	
5,554.54				10/10/07	54.24	52.79	
5,535.40				03/26/08	73.38	71.93	
5,535.55				06/24/08	73.23	71.78	
5,535.90				08/26/08	72.88	71.43	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,535.87				10/14/08	72.91	71.46	
5,536.42				03/10/09	72.36	70.91	
5,536.71				06/24/09	72.07	70.62	
5,536.83				09/10/09	71.95	70.50	
5,537.35				12/11/09	71.43	69.98	
5,537.93				03/11/10	70.85	69.40	
5,538.14				05/11/10	70.64	69.19	
5,538.03				09/29/10	70.75	69.30	
5,538.04				12/21/10	70.74	69.29	
5,537.98				02/28/11	70.8	69.35	
5,538.46				06/21/11	70.32	68.87	
5,538.37				09/20/11	70.41	68.96	
5,538.87				12/21/11	69.91	68.46	
5,538.73				03/27/12	70.05	68.60	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,552.37				11/29/99	68.70	67.50	
5,553.57				01/02/00	67.50	66.30	
5,553.87				01/10/00	67.20	66.00	
5,553.72				01/17/00	67.35	66.15	
5,553.97				01/24/00	67.10	65.90	
5,553.87				02/01/00	67.20	66.00	
5,553.87				02/07/00	67.20	66.00	
5,554.17				02/14/00	66.90	65.70	
5,554.27				02/23/00	66.80	65.60	
5,554.37				03/01/00	66.70	65.50	
5,554.37				03/08/00	66.70	65.50	
5,554.27				03/15/00	66.80	65.60	
5,554.77				03/20/00	66.30	65.10	
5,554.57				03/29/00	66.50	65.30	
5,554.27				04/04/00	66.80	65.60	
5,554.57				04/13/00	66.50	65.30	
5,554.77				04/21/00	66.30	65.10	
5,554.87				04/28/00	66.20	65.00	
5,554.87				05/01/00	66.20	65.00	
5,555.27				05/11/00	65.80	64.60	
5,554.97				05/15/00	66.10	64.90	
5,555.27				05/25/00	65.80	64.60	
5,555.33				06/09/00	65.74	64.54	
5,555.45				06/16/00	65.62	64.42	
5,555.22				06/26/00	65.85	64.65	
5,555.45				07/06/00	65.62	64.42	
5,555.40				07/13/00	65.67	64.47	
5,555.45				07/18/00	65.62	64.42	
5,555.59				07/27/00	65.48	64.28	
5,555.65				08/02/00	65.42	64.22	
5,555.70				08/09/00	65.37	64.17	
5,555.74				08/16/00	65.33	64.13	
5,555.96				08/31/00	65.11	63.91	
5,555.87				09/08/00	65.20	64.00	
5,555.95				09/13/00	65.12	63.92	
5,556.05				09/20/00	65.02	63.82	
5,556.06				10/05/00	65.01	63.81	
5,556.17				10/12/00	64.90	63.70	
5,556.20				10/19/00	64.87	63.67	
5,556.22				10/23/00	64.85	63.65	
5,556.36				11/09/00	64.71	63.51	
5,556.42				11/14/00	64.65	63.45	
5,556.45				11/30/00	64.62	63.42	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-7**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,556.15				12/06/00	64.92	63.72	
5,556.89				01/14/01	64.18	62.98	
5,557.07				02/09/01	64.00	62.80	
5,557.62				03/29/01	63.45	62.25	
5,557.51				04/30/01	63.56	62.36	
5,557.77				05/31/01	63.30	62.10	
5,557.84				06/21/01	63.23	62.03	
5,557.98				07/10/01	63.09	61.89	
5,558.33				08/20/01	62.74	61.54	
5,558.57				09/19/01	62.50	61.30	
5,558.53				10/02/01	62.54	61.34	
5,558.62				11/08/01	62.45	61.25	
5,559.03				12/03/01	62.04	60.84	
5,559.08				01/03/02	61.99	60.79	
5,559.32				02/06/02	61.75	60.55	
5,559.63				03/26/02	61.44	60.24	
5,559.55				04/09/02	61.52	60.32	
5,560.06				05/23/02	61.01	59.81	
5,559.91				06/05/02	61.16	59.96	
5,560.09				07/08/02	60.98	59.78	
5,560.01				08/23/02	61.06	59.86	
5,560.23				09/11/02	60.84	59.64	
5,560.43				10/23/02	60.64	59.44	
5,560.39				11/22/02	60.68	59.48	
5,560.61				12/03/02	60.46	59.26	
5,560.89				01/09/03	60.18	58.98	
5,560.94				02/12/03	60.13	58.93	
5,561.28				03/26/03	59.79	58.59	
5,561.35				04/02/03	59.72	58.52	
5,546.20				05/01/03	74.87	73.67	
5,539.47				06/09/03	81.60	80.40	
5,541.87				07/07/03	79.20	78.00	
5,542.12				08/04/03	78.95	77.75	
5,541.91				09/11/03	79.16	77.96	
5,544.62				10/02/03	76.45	75.25	
5,542.67				11/07/03	78.40	77.20	
5,549.96				12/03/03	71.11	69.91	
5,557.17				01/15/04	63.90	62.70	
5,558.65				02/10/04	62.42	61.22	
5,559.90				03/28/04	61.17	59.97	
5,560.36				04/12/04	60.71	59.51	
5,560.87				05/13/04	60.20	59.00	
5,560.95				06/18/04	60.12	58.92	

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				119.8
5,561.64				07/28/04	59.43	58.23	
5,543.00				08/30/04	78.07	76.87	
5,541.91				09/16/04	79.16	77.96	
5,540.08				10/11/04	80.99	79.79	
5,546.92				11/16/04	74.15	72.95	
5,546.97				12/22/04	74.10	72.90	
5,546.51				01/18/05	74.56	73.36	
5,546.66				02/28/05	74.41	73.21	
5,546.81				03/15/05	74.26	73.06	
5,548.19				04/26/05	72.88	71.68	
5,547.11				05/24/05	73.96	72.76	
5,546.98				06/30/05	74.09	72.89	
5,546.92				07/29/05	74.15	72.95	
5,547.26				09/12/05	73.81	72.61	
5,547.26				12/07/05	73.81	72.61	
5,548.86				03/08/06	72.21	71.01	
5,548.62				06/13/06	72.45	71.25	
5,550.04				07/18/06	71.03	69.83	
5,548.32				11/07/06	72.75	71.55	
5,550.44				02/27/07	70.63	69.43	
5,549.69				05/02/07	71.38	70.18	
5,549.97				08/14/07	71.10	69.90	
5,550.30				10/10/07	70.77	69.57	
5,551.92				03/26/08	69.15	67.95	
5,552.94				06/24/08	68.13	66.93	
5,552.34				08/26/08	68.73	67.53	
5,552.61				10/14/08	68.46	67.26	
5,552.81				03/10/09	68.26	67.06	
5,553.11				06/24/09	67.96	66.76	
5,552.55				09/10/09	68.52	67.32	
5,553.06				12/11/09	68.01	66.81	
5,554.64				03/11/10	66.43	65.23	
5,554.20				05/11/10	66.87	65.67	
5,553.45				09/29/10	67.62	66.42	
5,553.40				12/21/10	67.67	66.47	
5,553.93				02/28/11	67.14	65.94	
5,553.67				06/21/11	67.4	66.20	
5,553.46				09/20/11	67.61	66.41	
5,553.78				12/21/11	67.29	66.09	
5,553.17				03/27/12	67.90	66.70	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-8**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,546.40				11/29/99	75.00	70.40	
5,546.20				01/02/00	75.20	70.60	
5,546.50				01/10/00	74.90	70.30	
5,546.30				01/17/00	75.10	70.50	
5,546.60				01/24/00	74.80	70.20	
5,546.50				02/01/00	74.90	70.30	
5,546.50				02/07/00	74.90	70.30	
5,546.90				02/14/00	74.50	69.90	
5,546.95				02/23/00	74.45	69.85	
5,547.05				03/01/00	74.35	69.75	
5,547.05				03/08/00	74.35	69.75	
5,547.10				03/15/00	74.30	69.70	
5,547.50				03/20/00	73.90	69.30	
5,547.40				03/29/00	74.00	69.40	
5,547.20				04/04/00	74.20	69.60	
5,547.40				04/13/00	74.00	69.40	
5,547.60				04/21/00	73.80	69.20	
5,547.70				04/28/00	73.70	69.10	
5,547.70				05/01/00	73.70	69.10	
5,548.00				05/11/00	73.40	68.80	
5,547.70				05/15/00	73.70	69.10	
5,547.90				05/25/00	73.50	68.90	
5,547.90				06/09/00	73.50	68.90	
5,548.00				06/16/00	73.40	68.80	
5,547.87				06/26/00	73.53	68.93	
5,547.95				07/06/00	73.45	68.85	
5,547.96				07/13/00	73.44	68.84	
5,547.95				07/18/00	73.45	68.85	
5,548.11				07/27/00	73.29	68.69	
5,548.15				08/02/00	73.25	68.65	
5,548.17				08/09/00	73.23	68.63	
5,548.16				08/15/00	73.24	68.64	
5,548.40				08/31/00	73.00	68.40	
5,548.50				09/08/00	72.90	68.30	
5,548.62				09/13/00	72.78	68.18	
5,548.75				09/20/00	72.65	68.05	
5,548.76				10/05/00	72.64	68.04	
5,549.00				11/09/00	72.40	67.80	
5,548.85				12/06/00	72.55	67.95	
5,549.47				01/03/01	71.93	67.33	
5,549.89				02/09/01	71.51	66.91	
5,550.37				03/27/01	71.03	66.43	
5,550.50				04/30/01	70.90	66.30	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,550.68				05/31/01	70.72	66.12	
5,550.68				06/20/01	70.72	66.12	
5,551.02				07/10/01	70.38	65.78	
5,551.32				08/20/01	70.08	65.48	
5,551.49				09/19/01	69.91	65.31	
5,551.64				10/02/01	69.76	65.16	
5,551.81				11/08/01	69.59	64.99	
5,552.22				12/03/01	69.18	64.58	
5,552.16				01/03/02	69.24	64.64	
5,552.38				02/06/02	69.02	64.42	
5,552.85				03/26/02	68.55	63.95	
5,552.83				04/09/02	68.57	63.97	
5,553.20				05/23/02	68.20	63.60	
5,553.16				06/05/02	68.24	63.64	
5,553.32				07/08/02	68.08	63.48	
5,553.49				08/23/02	67.91	63.31	
5,553.69				09/11/02	67.71	63.11	
5,554.09				10/23/02	67.31	62.71	
5,554.02				11/22/02	67.38	62.78	
5,554.23				12/03/02	67.17	62.57	
5,554.43				01/09/03	66.97	62.37	
5,554.42				02/12/03	66.98	62.38	
5,554.71				03/26/03	66.69	62.09	
5,554.83				04/02/03	66.57	61.97	
5,552.21				05/01/03	69.19	64.59	
5,547.93				06/09/03	73.47	68.87	
5,546.97				07/07/03	74.43	69.83	
5,546.58				08/04/03	74.82	70.22	
5,546.24				09/11/03	75.16	70.56	
5,546.38				10/02/03	75.02	70.42	
5,546.40				11/07/03	75.00	70.40	
5,546.59				12/03/03	74.81	70.21	
5,551.29				01/15/04	70.11	65.51	
5,552.69				02/10/04	68.71	64.11	
5,554.06				03/28/04	67.34	62.74	
5,554.52				04/12/04	66.88	62.28	
5,555.06				05/13/04	66.34	61.74	
5,555.11				06/18/04	66.29	61.69	
5,555.88				07/28/04	65.52	60.92	
5,552.97				08/30/04	68.43	63.83	
5,550.65				09/16/04	70.75	66.15	
5,548.40				10/11/04	73.00	68.40	
5,548.28				11/16/04	73.12	68.52	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.00
5,548.80				12/22/04	72.60	68.00	
5,548.43				01/18/05	72.97	68.37	
5,548.61				02/28/05	72.79	68.19	
5,548.64				03/15/05	72.76	68.16	
5,548.65				04/26/05	72.75	68.15	
5,548.85				05/24/05	72.55	67.95	
5,548.73				06/30/05	72.67	68.07	
5,548.62				07/29/05	72.78	68.18	
5,548.80				09/12/05	72.60	68.00	
5,548.71				12/07/05	72.69	68.09	
5,549.72				03/08/06	71.68	67.08	
5,549.70				06/13/06	71.70	67.10	
5,549.70				07/18/06	71.70	67.10	
5,549.65				11/07/06	71.75	67.15	
5,551.11				02/27/07	70.29	65.69	
5,550.20				05/02/07	71.20	66.60	
5,550.59				08/14/07	70.81	66.21	
5,550.76				10/10/07	70.64	66.04	
5,551.95				03/26/08	69.45	64.85	
5,552.36				06/24/08	69.04	64.44	
5,552.50				08/26/08	68.9	64.30	
5,552.56				10/14/08	68.84	64.24	
5,552.91				03/03/09	68.49	63.89	
5,553.27				06/24/09	68.13	63.53	
5,553.12				09/10/09	68.28	63.68	
5,553.63				12/11/09	67.77	63.17	
5,554.65				03/11/10	66.75	62.15	
5,554.57				05/11/10	66.83	62.23	
5,554.34				09/29/10	67.06	62.46	
5,554.09				12/21/10	67.31	62.71	
5,554.50				02/28/11	66.9	62.30	
5,554.79				06/21/11	66.61	62.01	
5,554.63				09/20/11	66.77	62.17	
5,555.01				12/21/11	66.39	61.79	
5,554.85				03/27/12	66.55	61.95	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,577.09				12/20/99	60.5	59.02	
5,577.09				01/02/00	60.5	59.02	
5,577.29				01/10/00	60.3	58.82	
5,577.09				01/17/00	60.5	59.02	
5,577.39				01/24/00	60.2	58.72	
5,577.29				02/01/00	60.3	58.82	
5,577.19				02/07/00	60.4	58.92	
5,577.69				02/14/00	59.9	58.42	
5,577.69				02/23/00	59.9	58.42	
5,577.79				03/01/00	59.8	58.32	
5,577.79				03/08/00	59.8	58.32	
5,577.89				03/15/00	59.7	58.22	
5,568.49				03/20/00	69.1	67.62	
5,578.14				03/29/00	59.45	57.97	
5,577.84				04/04/00	59.75	58.27	
5,578.04				04/13/00	59.55	58.07	
5,578.24				04/21/00	59.35	57.87	
5,578.39				04/28/00	59.2	57.72	
5,578.39				05/01/00	59.2	57.72	
5,578.79				05/11/00	58.8	57.32	
5,578.39				05/15/00	59.2	57.72	
5,578.79				05/25/00	58.8	57.32	
5,578.81				06/09/00	58.78	57.30	
5,578.89				06/16/00	58.7	57.22	
5,578.74				06/26/00	58.85	57.37	
5,578.86				07/06/00	58.73	57.25	
5,578.87				07/13/00	58.72	57.24	
5,578.84				07/18/00	58.75	57.27	
5,579.03				07/27/00	58.56	57.08	
5,579.03				08/02/00	58.56	57.08	
5,579.05				08/09/00	58.54	57.06	
5,579.04				08/15/00	58.55	57.07	
5,579.25				08/31/00	58.34	56.86	
5,579.35				09/08/00	58.24	56.76	
5,579.40				09/13/00	58.19	56.71	
5,579.46				09/20/00	58.13	56.65	
5,579.44				10/05/00	58.15	56.67	
5,579.79				11/09/00	57.8	56.32	
5,579.73				12/06/00	57.86	56.38	
5,580.01				01/03/01	57.58	56.10	
5,580.30				02/09/01	57.29	55.81	
5,580.66				03/27/01	56.93	55.45	
5,580.75				04/30/01	56.84	55.36	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-9**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,581.04				05/31/01	56.55	55.07	
5,581.12				06/21/01	56.47	54.99	
5,581.15				07/10/01	56.44	54.96	
5,581.51				08/20/01	56.08	54.60	
5,581.70				09/19/01	55.89	54.41	
5,581.61				10/02/01	55.98	54.50	
5,581.83				11/08/01	55.76	54.28	
5,582.17				12/03/01	55.42	53.94	
5,582.21				01/03/02	55.38	53.90	
5,582.57				02/06/02	55.02	53.54	
5,583.12				03/26/02	54.47	52.99	
5,582.77				04/09/02	54.82	53.34	
5,583.21				05/23/02	54.38	52.90	
5,582.94				06/05/02	54.65	53.17	
5,582.71				07/08/02	54.88	53.40	
5,583.67				08/23/02	53.92	52.44	
5,583.82				09/11/02	53.77	52.29	
5,584.01				10/23/02	53.58	52.10	
5,583.88				11/22/02	53.71	52.23	
5,583.81				12/03/02	53.78	52.30	
5,584.28				01/09/03	53.31	51.83	
5,584.41				02/12/03	53.18	51.70	
5,584.68				03/26/03	52.91	51.43	
5,584.49				04/02/03	53.10	51.62	
5,584.51				05/01/03	53.08	51.60	
5,583.59				06/09/03	54.00	52.52	
5,582.96				07/07/03	54.63	53.15	
5,582.98				08/04/03	54.61	53.13	
5,582.57				09/11/03	55.02	53.54	
5,582.25				10/02/03	55.34	53.86	
5,582.09				11/07/03	55.50	54.02	
5,582.48				12/03/03	55.11	53.63	
5,583.69				01/15/04	53.90	52.42	
5,583.89				02/10/04	53.70	52.22	
5,584.30				03/28/04	53.29	51.81	
5,584.59				04/12/04	53.00	51.52	
5,584.87				05/13/04	52.72	51.24	
5,584.96				06/18/04	52.63	51.15	
5,585.50				07/28/04	52.09	50.61	
5,584.81				08/30/04	52.78	51.30	
5,584.40				09/16/04	53.19	51.71	
5,583.91				10/11/04	53.68	52.20	
5,583.39				11/16/04	54.20	52.72	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-9**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,583.54				12/22/04	54.05	52.57	
5,583.34				01/18/05	54.25	52.77	
5,583.66				02/28/05	53.93	52.45	
5,583.87				03/15/05	53.72	52.24	
5,584.74				04/26/05	52.85	51.37	
5,585.26				05/24/05	52.33	50.85	
5,585.06				06/30/05	52.53	51.05	
5,584.67				07/29/05	52.92	51.44	
5,584.75				09/12/05	52.84	51.36	
5,584.51				12/07/05	53.08	51.60	
5,585.74				03/08/06	51.85	50.37	
5,584.74				06/13/06	52.85	51.37	
5,584.26				07/18/06	53.33	51.85	
5,584.21				11/07/06	53.38	51.90	
5,584.67				02/27/07	52.92	51.44	
5,584.06				05/02/07	53.53	52.05	
5,585.33				08/14/07	52.26	50.78	
5,585.42				10/10/07	52.17	50.69	
5,587.01				03/26/08	50.58	49.10	
5,585.44				06/24/08	52.15	50.67	
5,585.23				08/26/08	52.36	50.88	
5,584.42				10/14/08	53.17	51.69	
5,583.59				03/03/09	54	52.52	
5,583.35				06/24/09	54.24	52.76	
5,582.91				09/10/09	54.68	53.20	
5,583.43				12/11/09	54.16	52.68	
5,584.00				03/11/10	53.59	52.11	
5,583.27				05/11/10	54.32	52.84	
5,582.92				09/29/10	54.67	53.19	
5,583.08				12/21/10	54.51	53.03	
5,582.63				02/28/11	54.96	53.48	
5,583.62				06/21/11	53.97	52.49	
5,583.52				09/20/11	54.07	52.59	
5,583.91				12/21/11	53.68	52.20	
5,582.84				03/27/12	54.75	53.27	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-10**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				111
5,576.75				01/03/02	57.49	55.24	
5,576.92				02/06/02	57.32	55.07	
5,577.43				03/26/02	56.81	54.56	
5,577.22				04/09/02	57.02	54.77	
5,577.80				05/23/02	56.44	54.19	
5,577.47				06/05/02	56.77	54.52	
5,577.55				07/08/02	56.69	54.44	
5,578.10				08/23/02	56.14	53.89	
5,578.24				09/11/02	56.00	53.75	
5,578.49				10/23/02	55.75	53.50	
5,578.43				11/22/02	55.81	53.56	
5,578.43				12/03/02	55.81	53.56	
5,578.66				01/09/03	55.58	53.33	
5,578.66				02/12/03	55.58	53.33	
5,578.78				03/26/03	55.46	53.21	
5,578.90				04/02/03	55.34	53.09	
5,578.83				05/01/03	55.41	53.16	
5,578.05				06/09/03	56.19	53.94	
5,577.38				07/07/03	56.86	54.61	
5,577.15				08/04/03	57.09	54.84	
5,576.76				09/11/03	57.48	55.23	
5,576.36				10/02/03	57.88	55.63	
5,576.05				11/07/03	58.19	55.94	
5,576.20				12/03/03	58.04	55.79	
5,577.43				01/15/04	56.81	54.56	
5,577.81				02/10/04	56.43	54.18	
5,578.47				03/28/04	55.77	53.52	
5,578.69				04/12/04	55.55	53.30	
5,578.93				05/13/04	55.31	53.06	
5,578.99				06/18/04	55.25	53.00	
5,579.18				07/28/04	55.06	52.81	
5,579.06				08/30/04	55.18	52.93	
5,578.78				09/16/04	55.46	53.21	
5,577.80				10/11/04	56.44	54.19	
5,577.13				11/16/04	57.11	54.86	
5,576.96				12/22/04	57.28	55.03	
5,576.63				01/18/05	57.61	55.36	
5,576.82				02/28/05	57.42	55.17	
5,576.86				03/15/05	57.38	55.13	
5,577.52				04/26/05	56.72	54.47	
5,578.01				05/24/05	56.23	53.98	
5,578.15				06/30/05	56.09	53.84	
5,577.90				07/29/05	56.34	54.09	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-10**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				111
5,578.02				09/12/05	56.22	53.97	
5,577.56				12/07/05	56.68	54.43	
5,579.69				03/08/06	54.55	52.30	
5,578.34				06/13/06	55.90	53.65	
5,577.94				07/18/06	56.30	54.05	
5,578.01				11/07/06	56.23	53.98	
5578.43				02/27/07	55.81	53.56	
5,577.84				05/02/07	56.40	54.15	
5,578.74				08/14/07	55.50	53.25	
5,579.04				10/10/07	55.20	52.95	
5,580.69				03/26/08	53.55	51.30	
5,579.87				06/24/08	54.37	52.12	
5,579.47				08/26/08	54.77	52.52	
5,578.87				10/14/08	55.37	53.12	
5,578.01				03/10/09	56.23	53.98	
5,577.85				06/24/09	56.39	54.14	
5,577.49				09/10/09	56.75	54.50	
5,577.98				12/11/09	56.26	54.01	
5,578.38				03/11/10	55.86	53.61	
5,578.16				05/11/10	56.08	53.83	
5,577.85				09/29/10	56.39	54.14	
5,577.28				12/21/10	56.96	54.71	
5,577.14				02/28/11	57.1	54.85	
5,578.09				06/21/11	56.15	53.90	
5,578.24				09/20/11	56	53.75	
5,578.74				12/21/11	55.5	53.25	
5,577.89				03/27/12	56.35	54.10	

Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				100
5,548.32				01/03/02	75.30	73.60	
5,548.73				02/06/02	74.89	73.19	
5,549.03				03/26/02	74.59	72.89	
5,548.84				04/09/02	74.78	73.08	
5,549.30				05/23/02	74.32	72.62	
5,549.01				06/05/02	74.61	72.91	
5,549.22				07/08/02	74.40	72.70	
5,549.44				08/23/02	74.18	72.48	
5,549.57				09/11/02	74.05	72.35	
5,549.64				10/23/02	73.98	72.28	
5,549.58				11/22/02	74.04	72.34	
5,549.62				12/03/02	74.00	72.30	
5,549.85				01/09/03	73.77	72.07	
5,549.91				02/12/03	73.71	72.01	
5,550.15				03/26/03	73.47	71.77	
5,550.01				04/02/03	73.61	71.91	
5,550.31				05/01/03	73.31	71.61	
5,550.44				06/09/03	73.18	71.48	
5,550.33				07/07/03	73.29	71.59	
5,550.35				08/04/03	73.27	71.57	
5,550.44				09/11/03	73.18	71.48	
5,550.47				10/02/03	73.15	71.45	
5,550.60				11/07/03	73.02	71.32	
5,550.60				12/03/03	73.02	71.32	
5,550.94				01/15/04	72.68	70.98	
5,551.00				02/10/04	72.62	70.92	
5,550.34				03/28/04	73.28	71.58	
5,551.54				04/12/04	72.08	70.38	
5,551.89				05/13/04	71.73	70.03	
5,551.94				06/18/04	71.68	69.98	
5,552.49				07/28/04	71.13	69.43	
5,552.74				08/30/04	70.88	69.18	
5,553.01				09/16/04	70.61	68.91	
5,553.11				10/11/04	70.51	68.81	
5,553.19				11/16/04	70.43	68.73	
5,553.53				12/22/04	70.09	68.39	
5,553.31				01/18/05	70.31	68.61	
5,553.84				02/28/05	69.78	68.08	
5,554.04				03/15/05	69.58	67.88	
5,554.23				04/26/05	69.39	67.69	
5,553.87				05/24/05	69.75	68.05	
5,554.46				06/30/05	69.16	67.46	
5,554.57				07/29/05	69.05	67.35	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-11**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				100
5,553.86				09/12/05	69.76	68.06	
5,555.30				12/07/05	68.32	66.62	
5,556.20				03/08/06	67.42	65.72	
5,556.48				06/14/06	67.14	65.44	
5,556.37				07/18/06	67.25	65.55	
5,556.94				11/07/06	66.68	64.98	
5557.92				02/27/07	65.70	64	
5,557.84				05/02/07	65.78	64.08	
5,558.02				08/15/07	65.60	63.90	
5,557.13				10/10/07	66.49	64.79	
5,569.74				03/26/08	53.88	52.18	
5,561.01				06/24/08	62.61	60.91	
5,562.07				08/26/08	61.55	59.85	
5,562.47				10/14/08	61.15	59.45	
5,563.80				03/10/09	59.82	58.12	
5,564.27				06/24/09	59.35	57.65	
5,564.32				09/10/09	59.30	57.60	
5,564.70				12/11/09	58.92	57.22	
5,565.14				03/11/10	58.48	56.78	
5,565.61				05/11/10	58.01	56.31	
5,565.67				09/29/10	57.95	56.25	
5,565.62				12/21/10	58.00	56.30	
5,565.42				02/28/11	58.20	56.50	
5,566.01				06/21/11	57.61	55.91	
5,566.03				09/20/11	57.59	55.89	
5,566.63				12/21/11	56.99	55.29	
5,565.81				03/27/12	57.81	56.11	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-12**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				101.5
5,580.91				08/23/02	43.32	41.47	
5,581.54				09/11/02	42.69	40.84	
5,581.33				10/23/02	42.90	41.05	
5,581.47				11/22/02	42.76	40.91	
5,581.55				12/03/02	42.68	40.83	
5,582.58				01/09/03	41.65	39.80	
5,582.47				02/12/03	41.76	39.91	
5,582.71				03/26/03	41.52	39.67	
5,582.11				04/02/03	42.12	40.27	
5,582.92				05/01/03	41.31	39.46	
5,583.13				06/09/03	41.10	39.25	
5,583.21				07/07/03	41.02	39.17	
5,583.31				08/04/03	40.92	39.07	
5,583.55				09/11/03	40.68	38.83	
5,583.72				10/02/03	40.51	38.66	
5,583.77				11/07/03	40.46	38.61	
5,584.01				12/03/03	40.22	38.37	
5,584.37				01/15/04	39.86	38.01	
5,584.39				02/10/04	39.84	37.99	
5,584.51				03/28/04	39.72	37.87	
5,584.90				04/12/04	39.33	37.48	
5,584.88				05/13/04	39.35	37.50	
5,584.93				06/18/04	39.30	37.45	
5,585.36				07/28/04	38.87	37.02	
5,585.38				08/30/04	38.85	37.00	
5,585.49				09/16/04	38.74	36.89	
5,585.85				10/11/04	38.38	36.53	
5,585.91				11/16/04	38.32	36.47	
5,586.35				12/22/04	37.88	36.03	
5,586.14				01/18/05	38.09	36.24	
5,586.56				02/28/05	37.67	35.82	
5,586.95				03/15/05	37.28	35.43	
5,587.20				04/26/05	37.03	35.18	
5,587.35				05/24/05	36.88	35.03	
5,587.58				06/30/05	36.65	34.80	
5,587.58				07/29/05	36.65	34.80	
5,587.94				09/12/05	36.29	34.44	
5,588.43				12/07/05	35.80	33.95	
5,588.92				03/08/06	35.31	33.46	
5,588.34				06/13/06	35.89	34.04	
5,588.33				07/18/06	35.90	34.05	
5,584.70				11/07/06	39.53	37.68	
5588.85				02/27/07	35.38	33.53	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-12**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				101.5
5,588.53				05/02/07	35.70	33.85	
5,586.49				08/14/07	37.74	35.89	
5,586.68				10/10/07	37.55	35.70	
5,587.76				03/26/08	36.47	34.62	
5,587.59				06/24/08	36.64	34.79	
5,587.35				08/26/08	36.88	35.03	
5,586.84				10/14/08	37.39	35.54	
5,586.17				03/03/09	38.06	36.21	
5,585.74				06/24/09	38.49	36.64	
5,585.54				09/10/09	38.69	36.84	
5,585.77				12/11/09	38.46	36.61	
5,585.88				03/11/10	38.35	36.50	
5,586.35				05/11/10	37.88	36.03	
5,585.68				09/29/10	38.55	36.70	
5,585.09				12/21/10	39.14	37.29	
5,584.65				02/28/11	39.58	37.73	
5,584.76				06/21/11	39.47	37.62	
5,584.32				09/20/11	39.91	38.06	
5,584.22				12/21/11	40.01	38.16	
5,577.07				03/27/12	47.16	45.31	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-13**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				102.5
5,529.66				08/23/02	90.28	88.43	
5,530.66				09/11/02	89.28	87.43	
5,529.10				10/23/02	90.84	88.99	
5,530.58				11/22/02	89.36	87.51	
5,530.61				12/03/02	89.33	87.48	
5,529.74				01/09/03	90.20	88.35	
5,531.03				02/12/03	88.91	87.06	
5,531.82				03/26/03	88.12	86.27	
5,524.63				04/02/03	95.31	93.46	
5,531.54				05/01/03	88.40	86.55	
5,538.46				06/09/03	81.48	79.63	
5,539.38				07/07/03	80.56	78.71	
5,540.72				08/04/03	79.22	77.37	
5,541.25				09/11/03	78.69	76.84	
5,541.34				10/02/03	78.60	76.75	
5,541.69				11/07/03	78.25	76.40	
5,541.91				12/03/03	78.03	76.18	
5,542.44				01/15/04	77.50	75.65	
5,542.47				02/10/04	77.47	75.62	
5,542.84				03/28/04	77.10	75.25	
5,543.08				04/12/04	76.86	75.01	
5,543.34				05/13/04	76.60	74.75	
5,543.40				06/18/04	76.54	74.69	
5,544.06				07/28/04	75.88	74.03	
5,544.61				08/30/04	75.33	73.48	
5,545.23				09/16/04	74.71	72.86	
5,546.20				10/11/04	73.74	71.89	
5,547.43				11/16/04	72.51	70.66	
5,548.96				12/22/04	70.98	69.13	
5,549.02				01/18/05	70.92	69.07	
5,550.66				02/28/05	69.28	67.43	
5,551.26				03/15/05	68.68	66.83	
5,552.23				04/26/05	67.71	65.86	
5,552.87				05/24/05	67.07	65.22	
5,553.42				06/30/05	66.52	64.67	
5,554.00				07/29/05	65.94	64.09	
5,555.21				09/12/05	64.73	62.88	
5,558.13				12/07/05	61.81	59.96	
5,562.93				03/08/06	57.01	55.16	
5,564.39				06/13/06	55.55	53.70	
5,562.09				07/18/06	57.85	56.00	
5,565.49				11/07/06	54.45	52.60	
5571.08				02/27/07	48.86	47.01	

Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				102.5
5,570.63				05/02/07	49.31	47.46	
5,565.24				08/14/07	54.70	52.85	
5,565.83				10/10/07	54.11	52.26	
5,569.29				03/26/08	50.65	48.80	
5,570.00				06/24/08	49.94	48.09	
5,570.41				08/26/08	49.53	47.68	
5,570.64				10/14/08	49.30	47.45	
5,570.43				03/03/09	49.51	47.66	
5,570.56				06/24/09	49.38	47.53	
5,570.42				09/10/09	49.52	47.67	
5,571.15				12/11/09	48.79	46.94	
5,572.01				03/11/10	47.93	46.08	
5,572.88				05/11/10	47.06	45.21	
5,573.17				09/29/10	46.77	44.92	
5,573.14				12/21/10	46.80	44.95	
5,573.10				02/28/11	46.84	44.99	
5,573.75				06/21/11	46.19	44.34	
5,573.63				09/20/11	46.31	44.46	
5,573.94				12/21/11	46.00	44.15	
5,572.79				03/27/12	47.15	45.30	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-14**

Water Elevation (WL)	Land Surface (LSD)	Measuring		Date Of Monitoring	Total or	Total	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)		Measured Depth to Water (blw.MP)	Depth to Water (blw.LSD)	
	5,610.92	5,612.77	1.85				93
5,518.90				08/23/02	93.87	92.02	
5,519.28				09/11/02	93.49	91.64	
5,519.95				10/23/02	92.82	90.97	
5,520.32				11/22/02	92.45	90.60	
5,520.42				12/03/02	92.35	90.50	
5,520.70				01/09/03	92.07	90.22	
5,520.89				02/12/03	91.88	90.03	
5,521.12				03/26/03	91.65	89.80	
5,521.12				04/02/03	91.65	89.80	
5,521.24				05/01/03	91.53	89.68	
5,521.34				06/09/03	91.43	89.58	
5,521.36				07/07/03	91.41	89.56	
5,521.35				08/04/03	91.42	89.57	
5,521.30				09/11/03	91.47	89.62	
5,521.35				10/02/03	91.42	89.57	
5,521.36				11/07/03	91.41	89.56	
5,521.16				12/03/03	91.61	89.76	
5,521.29				01/15/04	91.48	89.63	
5,521.36				02/10/04	91.41	89.56	
5,521.46				03/28/04	91.31	89.46	
5,521.54				04/12/04	91.23	89.38	
5,521.59				05/13/04	91.18	89.33	
5,521.69				06/18/04	91.08	89.23	
5,521.71				07/28/04	91.06	89.21	
5,521.76				08/30/04	91.01	89.16	
5,521.77				09/16/04	91.00	89.15	
5,521.79				10/11/04	90.98	89.13	
5,521.80				11/16/04	90.97	89.12	
5,521.82				12/22/04	90.95	89.10	
5,521.82				01/18/05	90.95	89.10	
5,521.86				02/28/05	90.91	89.06	
5,521.85				03/15/05	90.92	89.07	
5,521.91				04/26/05	90.86	89.01	
5,521.93				05/24/05	90.84	88.99	
5,521.94				06/30/05	90.83	88.98	
5,521.84				07/29/05	90.93	89.08	
5,521.99				09/12/05	90.78	88.93	
5,522.04				12/07/05	90.73	88.88	
5,522.05				03/08/06	90.72	88.87	
5,522.27				06/13/06	90.50	88.65	
5,521.92				07/18/06	90.85	89.00	
5,520.17				11/07/06	92.60	90.75	
5522.24				02/27/07	90.53	88.68	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-14**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				93
5,522.47				05/02/07	90.30	88.45	
5,520.74				08/14/07	92.03	90.18	
5,518.13				10/10/07	94.64	92.79	
5,522.85				03/26/08	89.92	88.07	
5,522.91				06/24/08	89.86	88.01	
5,523.01				08/26/08	89.76	87.91	
5,522.96				10/14/08	89.81	87.96	
5,523.20				03/03/09	89.57	87.72	
5,523.33				06/24/09	89.44	87.59	
5,523.47				09/10/09	89.30	87.45	
5,523.54				12/11/09	89.23	87.38	
5,522.98				03/11/10	89.79	87.94	
5,524.01				05/11/10	88.76	86.91	
5,524.37				09/29/10	88.40	86.55	
5,524.62				12/21/10	88.15	86.30	
5,524.78				02/28/11	87.99	86.14	
5,525.23				06/21/11	87.54	85.69	
5,525.45				09/20/11	87.32	85.47	
5,525.72				12/21/11	87.05	85.20	
5,525.88				03/27/12	86.89	85.04	

**Water Levels and Data over Time
White Mesa Mill - Well MW-26**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,574.75				08/23/02	50.70	49.40	
5,574.97				09/11/02	50.48	49.18	
5,575.10				10/23/02	50.35	49.05	
5,574.99				11/22/02	50.46	49.16	
5,575.28				12/03/02	50.17	48.87	
5,575.41				01/09/03	50.04	48.74	
5,575.43				02/12/03	50.02	48.72	
5,575.63				03/26/03	49.82	48.52	
5,575.91				04/02/03	49.54	48.24	
5,575.81				05/01/03	49.64	48.34	
5,572.36				06/09/03	53.09	51.79	
5,570.70				07/07/03	54.75	53.45	
5,570.29				08/04/03	55.16	53.86	
5,560.94				09/11/03	64.51	63.21	
5,560.63				10/02/03	64.82	63.52	
5,560.56				11/07/03	64.89	63.59	
5,564.77				12/03/03	60.68	59.38	
5,570.89				01/15/04	54.56	53.26	
5,572.55				02/10/04	52.90	51.60	
5,574.25				03/28/04	51.20	49.90	
5,574.77				04/12/04	50.68	49.38	
5,575.53				05/13/04	49.92	48.62	
5,575.59				06/18/04	49.86	48.56	
5,576.82				07/28/04	48.63	47.33	
5,527.47				09/16/04	97.98	96.68	
5,553.97				11/16/04	71.48	70.18	
5,562.33				12/22/04	63.12	61.82	
5,550.00				01/18/05	75.45	74.15	
5,560.02				04/26/05	65.43	64.13	
5,546.11				05/24/05	79.34	78.04	
5,556.71				06/30/05	68.74	67.44	
5,554.95				07/29/05	70.50	69.20	
5,555.48				09/12/05	69.97	68.67	
5,551.09				12/07/05	74.36	73.06	
5,552.85				03/08/06	72.60	71.30	
5,554.30				06/13/06	71.15	69.85	
5,554.87				07/18/06	70.58	69.28	
5,550.88				11/07/06	74.57	73.27	
5558.77				02/27/07	66.68	65.38	
5,548.54				05/02/07	76.91	75.61	
5,551.33				10/10/07	74.12	72.82	
5,545.56				03/26/08	79.89	78.59	
5,545.56				06/25/08	79.89	78.59	

**Water Levels and Data over Time
White Mesa Mill - Well MW-26**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,545.82				08/26/08	79.63	78.33	
5,545.64				10/14/08	79.81	78.51	
5,544.45				03/03/09	81.00	79.70	
5,545.32				06/24/09	80.13	78.83	
5,544.61				09/10/09	80.84	79.54	
5,549.33				12/11/09	76.12	74.82	
5,543.78				03/11/10	81.67	80.37	
5,545.61				05/11/10	79.84	78.54	
5,547.43				09/29/10	78.02	76.72	
5,544.14				12/21/10	81.31	80.01	
5,546.77				02/28/11	78.68	77.38	
5,537.60				06/21/11	87.85	86.55	
5,551.46				09/20/11	73.99	72.69	
5,549.12				12/21/11	76.33	75.03	
5,557.30				03/27/12	68.15	66.85	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-16**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.19	5,624.02	1.83				142
5,562.91				08/23/02	61.11	59.28	
5,563.45				09/11/02	60.57	58.74	
5,563.75				10/23/02	60.27	58.44	
5,563.68				11/22/02	60.34	58.51	
5,563.68				12/03/02	60.34	58.51	
5,564.16				01/09/03	59.86	58.03	
5,564.25				02/12/03	59.77	57.94	
5,564.53				03/26/03	59.49	57.66	
5,564.46				04/02/03	59.56	57.73	
5,564.79				05/01/03	59.23	57.40	
5,564.31				06/09/03	59.71	57.88	
5,563.29				07/07/03	60.73	58.90	
5,562.76				08/04/03	61.26	59.43	
5,561.73				09/11/03	62.29	60.46	
5,561.04				10/02/03	62.98	61.15	
5,560.39				11/07/03	63.63	61.80	
5,559.79				12/03/03	64.23	62.40	
5,561.02				01/15/04	63.00	61.17	
5,561.75				02/10/04	62.27	60.44	
5,562.98				03/28/04	61.04	59.21	
5,563.29				04/12/04	60.73	58.90	
5,564.03				05/13/04	59.99	58.16	
5,564.09				06/18/04	59.93	58.10	
5,565.08				07/28/04	58.94	57.11	
5,564.56				08/30/04	59.46	57.63	
5,563.55				09/16/04	60.47	58.64	
5,561.79				10/11/04	62.23	60.40	
5,560.38				11/16/04	63.64	61.81	
5,559.71				12/22/04	64.31	62.48	
5,559.14				01/18/05	64.88	63.05	
5,558.65				02/28/05	65.37	63.54	
5,558.54				03/15/05	65.48	63.65	
5,558.22				04/26/05	65.80	63.97	
5,558.54				05/24/05	65.48	63.65	
5,559.24				06/30/05	64.78	62.95	
5,559.38				07/29/05	64.64	62.81	
5,559.23				09/12/05	64.79	62.96	
5,557.67				12/07/05	66.35	64.52	
5,557.92				03/08/06	66.10	64.27	
5,558.47				06/13/06	65.55	63.72	
5,558.42				07/18/06	65.60	63.77	
5,558.09				11/07/06	65.93	64.10	
5557.34				02/27/07	66.68	64.85	

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.19	5,624.02	1.83				142
5,547.11				05/02/07	76.91	75.08	
5,558.52				08/14/07	65.50	63.67	
5,559.02				10/10/07	65.00	63.17	
5,561.04				03/26/08	62.98	61.15	
5,560.06				06/24/08	63.96	62.13	
5,559.32				08/26/08	64.70	62.87	
5,558.89				10/14/08	65.13	63.30	
5,558.40				03/03/09	65.62	63.79	
5,558.32				06/24/09	65.70	63.87	
5,558.03				09/10/09	65.99	64.16	
5,558.81				12/11/09	65.21	63.38	
5,559.80				03/11/10	64.22	62.39	
5,559.85				05/11/10	64.17	62.34	
5,560.54				09/29/10	63.48	61.65	
5,558.65				12/21/10	65.37	63.54	
5,559.26				02/28/11	64.76	62.93	
5,560.48				06/21/11	63.54	61.71	
5,561.52				09/20/11	62.50	60.67	
5,562.95				12/21/11	61.07	59.24	
5,563.76				03/27/12	60.26	58.43	

**Water Levels and Data over Time
White Mesa Mill - Well MW-32**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,542.17				08/23/02	83.07	81.24	
5,542.39				09/11/02	82.85	81.02	
5,542.61				10/23/02	82.63	80.80	
5,542.49				11/22/02	82.75	80.92	
5,542.82				12/03/02	82.42	80.59	
5,543.03				01/09/03	82.21	80.38	
5,543.04				02/12/03	82.20	80.37	
5,543.41				03/26/03	81.83	80.00	
5,543.69				04/02/03	81.55	79.72	
5,543.77				05/01/03	81.47	79.64	
5,544.01				06/09/03	81.23	79.40	
5,544.05				07/07/03	81.19	79.36	
5,543.99				08/04/03	81.25	79.42	
5,544.17				09/11/03	81.07	79.24	
5,544.06				10/02/03	81.18	79.35	
5,544.03				11/07/03	81.21	79.38	
5,543.94				12/03/03	81.30	79.47	
5,543.98				01/15/04	81.26	79.43	
5,543.85				02/10/04	81.39	79.56	
5,544.05				03/28/04	81.19	79.36	
5,544.33				04/12/04	80.91	79.08	
5,544.55				05/13/04	80.69	78.86	
5,544.59				06/18/04	80.65	78.82	
5,545.08				07/28/04	80.16	78.33	
5,545.26				08/30/04	79.98	78.15	
5,545.48				09/16/04	79.76	77.93	
5,545.61				10/11/04	79.63	77.80	
5,545.46				11/16/04	79.78	77.95	
5,545.66				12/22/04	79.58	77.75	
5,545.33				01/18/05	79.91	78.08	
5,545.51				02/28/05	79.73	77.90	
5,545.57				03/15/05	79.67	77.84	
5,545.46				04/26/05	79.78	77.95	
5,545.45				05/24/05	79.79	77.96	
5,545.33				06/30/05	79.91	78.08	
5,545.16				07/29/05	80.08	78.25	
5,545.54				09/12/05	79.70	77.87	
5,545.77				12/07/05	79.47	77.64	
5,546.09				03/08/06	79.15	77.32	
5,545.94				06/13/06	79.30	77.47	
5,545.94				07/18/06	79.30	77.47	
5,546.24				11/07/06	79.00	77.17	
5546.81				02/27/07	78.43	76.6	

**Water Levels and Data over Time
White Mesa Mill - Well MW-32**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5546.56				05/02/07	78.68	76.85	
5546.81				08/15/07	78.43	76.6	
5546.96				10/10/07	78.28	76.45	
5547.9				03/26/08	77.34	75.51	
5548.08				06/25/08	77.16	75.33	
5548.42				08/26/08	76.82	74.99	
5548.05				10/14/08	77.19	75.36	
5548.29				03/03/09	76.95	75.12	
5548.09				06/24/09	77.15	75.32	
5547.79				09/10/09	77.45	75.62	
5548.09				12/11/09	77.15	75.32	
5,548.50				03/11/10	76.74	74.91	
5,548.89				05/11/10	76.35	74.52	
5,548.83				09/29/10	76.41	74.58	
5,548.97				12/21/10	76.27	74.44	
5,548.68				02/28/11	76.56	74.73	
5,549.33				06/21/11	75.91	74.08	
5,549.19				09/20/11	76.05	74.22	
5,550.06				12/21/11	75.18	73.35	
5,550.31				03/27/12	74.93	73.10	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-18**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				137.5
5,585.13				08/23/02	56.15	54.00	
5,585.41				09/11/02	55.87	53.72	
5,585.47				10/23/02	55.81	53.66	
5,585.40				11/22/02	55.88	53.73	
5,585.68				12/03/02	55.60	53.45	
5,585.90				01/09/03	55.38	53.23	
5,590.79				02/12/03	50.49	48.34	
5,586.18				03/26/03	55.10	52.95	
5,586.36				04/02/03	54.92	52.77	
5,586.24				05/01/03	55.04	52.89	
5,584.93				06/09/03	56.35	54.20	
5,584.46				07/07/03	56.82	54.67	
5,584.55				08/04/03	56.73	54.58	
5,584.01				09/11/03	57.27	55.12	
5,583.67				10/02/03	57.61	55.46	
5,583.50				11/07/03	57.78	55.63	
5,584.08				12/03/03	57.20	55.05	
5,585.45				01/15/04	55.83	53.68	
5,585.66				02/10/04	55.62	53.47	
5,586.13				03/28/04	55.15	53.00	
5,586.39				04/12/04	54.89	52.74	
5,586.66				05/13/04	54.62	52.47	
5,586.77				06/18/04	54.51	52.36	
5,587.35				07/28/04	53.93	51.78	
5,586.34				08/30/04	54.94	52.79	
5,585.85				09/16/04	55.43	53.28	
5,585.22				10/11/04	56.06	53.91	
5,584.70				11/16/04	56.58	54.43	
5,584.81				12/22/04	56.47	54.32	
5,584.68				01/18/05	56.60	54.45	
5,585.02				02/28/05	56.26	54.11	
5,585.25				03/15/05	56.03	53.88	
5,586.31				04/26/05	54.97	52.82	
5,586.97				05/24/05	54.31	52.16	
5,586.58				06/30/05	54.70	52.55	
5,586.10				07/29/05	55.18	53.03	
5,586.05				09/12/05	55.23	53.08	
5,585.86				12/07/05	55.42	53.27	
5,587.13				03/08/06	54.15	52.00	
5,585.93				06/13/06	55.35	53.20	
5,585.40				07/18/06	55.88	53.73	
5,585.38				11/07/06	55.90	53.75	
5585.83				02/27/07	55.45	53.30	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-18**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				137.5
5585.15				05/02/07	56.13	53.98	
5586.47				06/24/08	54.81	52.66	
5586.3				08/26/08	54.98	52.83	
5585.21				10/14/08	56.07	53.92	
5584.47				03/03/09	56.81	54.66	
5584.35				06/24/09	56.93	54.78	
5583.88				09/10/09	57.4	55.25	
5584.43				12/11/09	56.85	54.70	
5,585.26				03/11/10	56.02	53.87	
5,584.17				05/11/10	57.11	54.96	
5,583.61				09/29/10	57.67	55.52	
5,604.29				12/21/10	36.99	34.84	
5,583.56				02/28/11	57.72	55.57	
5,584.73				06/21/11	56.55	54.40	
5,584.71				09/20/11	56.57	54.42	
5,585.03				12/21/11	56.25	54.10	
5,584.63				03/27/12	56.65	54.50	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-19**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				121.33
5,581.88				08/23/02	49.51	47.65	
5,582.14				09/11/02	49.25	47.39	
5,582.06				10/23/02	49.33	47.47	
5,582.07				11/22/02	49.32	47.46	
5,582.16				12/03/02	49.23	47.37	
5,582.28				01/09/03	49.11	47.25	
5,582.29				02/21/03	49.10	47.24	
5,582.74				03/26/03	48.65	46.79	
5,582.82				04/02/03	48.57	46.71	
5,548.47				05/01/03	82.92	81.06	
5,564.76				06/09/03	66.63	64.77	
5,562.53				07/07/03	68.86	67.00	
5,564.10				08/04/03	67.29	65.43	
5,566.01				08/30/04	65.38	63.52	
5,555.16				09/16/04	76.23	74.37	
5,549.80				10/11/04	81.59	79.73	
5,546.04				11/16/04	85.35	83.49	
5,547.34				12/22/04	84.05	82.19	
5,548.77				01/18/05	82.62	80.76	
5,551.18				02/28/05	80.21	78.35	
5,556.81				03/15/05	74.58	72.72	
5,562.63				04/26/05	68.76	66.90	
5,573.42				05/24/05	57.97	56.11	
5,552.94				07/29/05	78.45	76.59	
5,554.00				09/12/05	77.39	75.53	
5,555.98				12/07/05	75.41	73.55	
5,552.00				03/08/06	79.39	77.53	
5,545.74				06/13/06	85.65	83.79	
5,544.06				07/18/06	87.33	85.47	
5,548.81				11/07/06	82.58	80.72	
5543.59				02/27/07	87.80	85.94	
5544.55				05/02/07	86.84	84.98	
5558.97				08/15/07	72.42	70.56	
5559.73				10/10/07	71.66	69.8	
5569.26				03/26/08	62.13	60.27	
5535.47				06/25/08	95.92	94.06	
5541.41				08/26/08	89.98	88.12	
5558.45				10/14/08	72.94	71.08	
5536.9				03/03/09	94.49	92.63	
5547.76				06/24/09	83.63	81.77	
5561.48				09/10/09	69.91	68.05	
5548.14				12/11/09	83.25	81.39	
5,570.58				03/11/10	60.81	58.95	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-19**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				121.33
5,561.35				05/11/10	70.04	68.18	
5,535.26				09/29/10	96.13	94.27	
5,568.40				12/21/10	62.99	61.13	
5,550.36				02/28/11	81.03	79.17	
5,570.41				06/21/11	60.98	59.12	
5,567.84				09/20/11	63.55	61.69	
5,571.32				12/21/11	60.07	58.21	
5,572.40				03/27/12	58.99	57.13	

Water Levels and Data over Time
White Mesa Mill - Well TW4-20

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,628.52	5,629.53	1.01				106.0
5,565.70				07/29/05	63.83	62.82	
5,546.53				08/30/05	83.00	81.99	
5,540.29				09/12/05	89.24	88.23	
5,541.17				12/07/05	88.36	87.35	
5,540.33				03/08/06	89.20	88.19	
5,530.43				06/13/06	99.10	98.09	
5,569.13				07/18/06	60.40	59.39	
5,547.95				11/07/06	81.58	80.57	
5,549.25				02/27/07	80.28	79.27	
5,550.58				05/02/07	78.95	77.94	
5,563.60				08/14/07	65.93	64.92	
5,555.85				10/10/07	73.68	72.67	
5,569.10				03/26/08	60.43	59.42	
5,560.00				06/25/08	69.53	68.52	
5,539.64				08/26/08	89.89	88.88	
5,539.51				10/14/08	90.02	89.01	
5,553.00				03/03/09	76.53	75.52	
5,534.18				06/24/09	95.35	94.34	
5,558.39				09/10/09	71.14	70.13	
5,560.99				12/11/09	68.54	67.53	
5,564.09				03/11/10	65.44	64.43	
5,564.22				05/11/10	65.31	64.30	
5,560.33				09/29/10	69.20	68.19	
5,561.35				12/21/10	68.18	67.17	
5,560.18				02/28/11	69.35	68.34	
5,576.23				06/21/11	53.30	52.29	
5,548.50				09/20/11	81.03	80.02	
5,558.58				12/21/11	70.95	69.94	
5,567.73				03/27/12	61.80	60.79	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-21**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.20	5,639.35	1.15				120.92
5,582.98				07/29/05	56.37	55.22	
5,583.43				08/30/05	55.92	54.77	
5,581.87				09/12/05	57.48	56.33	
5,580.50				12/07/05	58.85	57.70	
5,583.64				03/08/06	55.71	54.56	
5,580.55				06/13/06	58.80	57.65	
5,578.95				07/18/06	60.40	59.25	
5,578.47				11/07/06	60.88	59.73	
5,579.53				02/27/07	59.82	58.67	
5,578.07				05/02/07	61.28	60.13	
5,583.41				08/15/07	55.94	54.79	
5,583.45				10/10/07	55.90	54.75	
5,586.47				03/26/08	52.88	51.73	
5,579.16				06/24/08	60.19	59.04	
5,579.92				08/26/08	59.43	58.28	
5,577.37				10/14/08	61.98	60.83	
5,578.00				03/10/09	61.35	60.20	
5,580.14				06/24/09	59.21	58.06	
5,578.72				09/10/09	60.63	59.48	
5,579.99				12/11/09	59.36	58.21	
5,582.81				03/11/10	56.54	55.39	
5,582.23				05/11/10	57.12	55.97	
5,576.60				09/29/10	62.75	61.60	
5,581.14				12/21/10	58.21	57.06	
5,579.53				02/28/11	59.82	58.67	
5,584.17				06/21/11	55.18	54.03	
5,584.80				09/20/11	54.55	53.40	
5,585.68				12/21/11	53.67	52.52	
5,585.24				03/27/12	54.11	52.96	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-22**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,629.00	1.17				113.5
5,571.89				07/29/05	57.11	55.94	
5,572.20				08/30/05	56.80	55.63	
5,572.08				09/12/05	56.92	55.75	
5,571.61				12/07/05	57.39	56.22	
5,571.85				03/08/06	57.15	55.98	
5,571.62				06/13/06	57.38	56.21	
5,571.42				07/18/06	57.58	56.41	
5,571.02				11/07/06	57.98	56.81	
5571.24				02/27/07	57.76	56.59	
5,570.75				06/29/07	58.25	57.08	
5,571.82				08/14/07	57.18	56.01	
5,571.99				10/10/07	57.01	55.84	
5,573.05				03/26/08	55.95	54.78	
5,573.04				06/24/08	55.96	54.79	
5,573.04				08/26/08	55.96	54.79	
5,573.02				10/14/08	55.98	54.81	
5,573.19				03/10/09	55.81	54.64	
5,573.32				06/24/09	55.68	54.51	
5,573.17				09/10/09	55.83	54.66	
5,573.52				12/11/09	55.48	54.31	
5,573.88				03/11/10	55.12	53.95	
5,574.29				05/11/10	54.71	53.54	
5,574.88				09/29/10	54.12	52.95	
5,574.44				12/21/10	54.56	53.39	
5,574.49				02/28/11	54.51	53.34	
5,574.97				06/21/11	54.03	52.86	
5,575.06				09/20/11	53.94	52.77	
5,575.69				12/21/11	53.31	52.14	
5,575.61				03/27/12	53.39	52.22	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-23**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,605.77	5,607.37	1.60				113.5
5,538.89				09/13/07	68.48	66.88	
5,538.80				10/10/07	68.57	66.97	
5,539.25				11/30/07	68.12	66.52	
5,539.49				12/11/07	67.88	66.28	
5,539.19				01/08/08	68.18	66.58	
5,539.44				02/18/08	67.93	66.33	
5,539.54				03/26/08	67.83	66.23	
5,539.71				04/23/08	67.66	66.06	
5539.48				05/30/08	67.89	66.29	
5,539.53				06/24/08	67.84	66.24	
5,539.44				07/16/08	67.93	66.33	
5,539.68				08/26/08	67.69	66.09	
5,541.18				09/10/08	66.19	64.59	
5,539.57				10/14/08	67.80	66.20	
5,539.29				11/26/08	68.08	66.48	
5,539.55				12/29/08	67.82	66.22	
5,540.15				01/26/09	67.22	65.62	
5,539.74				02/24/09	67.63	66.03	
5,539.86				03/06/09	67.51	65.91	
5,539.72				04/07/09	67.65	66.05	
5,539.84				05/29/09	67.53	65.93	
5,540.12				06/30/09	67.25	65.65	
5,540.12				07/31/09	67.25	65.65	
5,540.27				08/31/09	67.10	65.50	
5,540.13				09/10/09	67.24	65.64	
5,540.64				12/11/09	66.73	65.13	
5,541.15				03/11/10	66.22	64.62	
5,541.61				05/11/10	65.76	64.16	
5,541.47				09/29/10	65.90	64.30	
5,541.54				12/21/10	65.83	64.23	
5,541.54				02/28/11	65.83	64.23	
5,541.98				06/21/11	65.39	63.79	
5,541.90				09/20/11	65.47	63.87	
5,542.58				12/21/11	64.79	63.19	
5,542.59				03/27/12	64.78	63.18	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-24**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.70	5,627.83	2.13				113.5
5,570.61				09/13/07	57.22	55.09	
5,570.53				10/10/07	57.30	55.17	
5,571.16				11/30/07	56.67	54.54	
5,571.30				12/11/07	56.53	54.40	
5,571.03				01/08/08	56.80	54.67	
5,571.22				02/18/08	56.61	54.48	
5,571.43				03/26/08	56.40	54.27	
5,571.68				04/23/08	56.15	54.02	
5,571.52				05/30/08	56.31	54.18	
5,571.34				06/24/08	56.49	54.36	
5,571.28				07/16/08	56.55	54.42	
5,571.34				08/26/08	56.49	54.36	
5,571.23				09/10/08	56.60	54.47	
5,571.12				10/14/08	56.71	54.58	
5,570.95				11/26/08	56.88	54.75	
5,570.92				12/29/08	56.91	54.78	
5,571.65				01/26/09	56.18	54.05	
5,571.31				02/24/09	56.52	54.39	
5,571.37				03/06/09	56.46	54.33	
5,571.21				04/07/09	56.62	54.49	
5,571.23				05/29/09	56.60	54.47	
5,571.42				06/30/09	56.41	54.28	
5,571.38				07/31/09	56.45	54.32	
5,571.48				08/31/09	56.35	54.22	
5,571.28				09/10/09	56.55	54.42	
5,571.64				12/11/09	56.19	54.06	
5,571.86				03/11/10	55.97	53.84	
5,571.91				05/11/10	55.92	53.79	
5,572.18				09/29/10	55.65	53.52	
5,571.86				12/21/10	55.97	53.84	
5,571.78				02/28/11	56.05	53.92	
5,572.40				06/21/11	55.43	53.30	
5,572.19				09/20/11	55.64	53.51	
5,573.02				12/21/11	54.81	52.68	
5,573.03				03/27/12	54.80	52.67	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-25**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,644.91	17.08				134.8
5,601.86				09/13/07	43.05	25.97	
5,601.89				10/10/07	43.02	25.94	
5,602.57				11/30/07	42.34	25.26	
5,602.82				12/11/07	42.09	25.01	
5,601.94				01/08/08	42.97	25.89	
5,599.13				02/18/08	45.78	28.70	
5,597.11				03/26/08	47.80	30.72	
5,595.51				04/23/08	49.40	32.32	
5594.42				05/30/08	50.49	33.41	
5,594.26				06/24/08	50.65	33.57	
5,586.67				07/16/08	58.24	41.16	
5,594.17				08/26/08	50.74	33.66	
5,594.23				09/10/08	50.68	33.60	
5,594.12				10/14/08	50.79	33.71	
5,594.06				11/26/08	50.85	33.77	
5,594.87				12/29/08	50.04	32.96	
5,595.89				01/26/09	49.02	31.94	
5,596.27				02/24/09	48.64	31.56	
5,596.47				03/06/09	48.44	31.36	
5,596.74				04/07/09	48.17	31.09	
5,597.55				05/29/09	47.36	30.28	
5,598.11				06/30/09	46.80	29.72	
5,598.22				07/31/09	46.69	29.61	
5,598.52				08/31/09	46.39	29.31	
5,598.49				09/10/09	46.42	29.34	
5,599.48				12/11/09	45.43	28.35	
5,599.75				03/11/10	45.16	28.08	
5,599.63				05/11/10	45.28	28.20	
5,598.68				09/29/10	46.23	29.15	
5,598.66				12/21/10	46.25	29.17	
5,598.18				02/28/11	46.73	29.65	
5,598.61				06/21/11	46.30	29.22	
5,598.08				09/20/11	46.83	29.75	
5,598.23				12/21/11	46.68	29.60	
5,597.41				03/27/12	47.50	30.42	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-26**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.98	5,601.68	1.70				86
5,536.90				06/14/10	64.78	63.08	
5,536.95				09/29/10	64.73	63.03	
5,537.17				12/21/10	64.51	62.81	
5,537.16				02/28/11	64.52	62.82	
5,537.57				06/21/11	64.11	62.41	
5,537.59				09/20/11	64.09	62.39	
5,538.16				12/21/11	63.52	61.82	
5,538.18				03/27/12	63.50	61.80	

**Water Levels and Data over Time
White Mesa Mill - Well TW4-27**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,606.19	5,607.94	1.75				96
5,517.78				12/21/11	90.16	88.41	
5,524.84				03/27/12	83.10	81.35	

Tab H

Laboratory Analytical Reports



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-008
Client Sample ID: MW-04

Report Date: 02/08/12
Collection Date: 01/23/12 09:23
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1		A4500-Cl B	01/31/12 14:38 / lr
Nitrogen, Nitrate+Nitrite as N	4.8	mg/L	D	0.5		E353.2	01/27/12 16:24 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.0	ug/L		1.0		SW8260B	02/04/12 05:10 / jlr
Chloroform	1500	ug/L	D	100		SW8260B	02/04/12 04:33 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/04/12 05:10 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/04/12 05:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	02/04/12 05:10 / jlr
Surr: Dibromofluoromethane	109	%REC		70-130		SW8260B	02/04/12 05:10 / jlr
Surr: p-Bromofluorobenzene	88.0	%REC		80-120		SW8260B	02/04/12 05:10 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	02/04/12 05:10 / jlr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-023
Client Sample ID: TW4-01

Report Date: 02/02/12
Collection Date: 01/19/12 07:54
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	38	mg/L		1		A4500-Cl B	01/23/12 14:49 / lr
Nitrogen, Nitrate+Nitrite as N	6.8	mg/L	D	0.5		E353.2	01/20/12 15:26 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 08:44 / jlr
Chloroform	1300	ug/L	D	100		SW8260B	01/26/12 19:42 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 08:44 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 08:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	114	%REC		80-120		SW8260B	01/27/12 08:44 / jlr
Surr: Dibromofluoromethane	117	%REC		70-130		SW8260B	01/27/12 08:44 / jlr
Surr: p-Bromofluorobenzene	95.0	%REC		80-120		SW8260B	01/27/12 08:44 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	01/27/12 08:44 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-007
Client Sample ID: TW4-02

Report Date: 02/08/12
Collection Date: 01/24/12 08:00
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	49	mg/L		1		A4500-Cl B	01/31/12 14:35 / lr
Nitrogen, Nitrate+Nitrite as N	7.1	mg/L	D	0.5		E353.2	01/27/12 16:21 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	2.0	ug/L		1.0		SW8260B	02/04/12 03:57 / jlr
Chloroform	2500	ug/L	D	100		SW8260B	02/01/12 14:53 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/04/12 03:57 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/04/12 03:57 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	02/04/12 03:57 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	02/04/12 03:57 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC		80-120		SW8260B	02/04/12 03:57 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	02/04/12 03:57 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-004
Client Sample ID: TW4-03

Report Date: 02/02/12
Collection Date: 01/17/12 06:35
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	21	mg/L		1		A4500-Cl B	01/23/12 13:53 / lr
Nitrogen, Nitrate+Nitrite as N	4.3	mg/L	D	0.5		E353.2	01/20/12 14:16 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 18:00 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 18:00 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 18:00 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 18:00 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	01/26/12 18:00 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	01/26/12 18:00 / jlr
Surr: p-Bromofluorobenzene	87.0	%REC		80-120		SW8260B	01/26/12 18:00 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/26/12 18:00 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-001
Client Sample ID: TW4-03R

Report Date: 02/02/12
Collection Date: 01/16/12 08:55
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	01/23/12 13:46 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 13:56 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 16:10 / jlr
Chloroform	1.0	ug/L		1.0		SW8260B	01/26/12 16:10 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 16:10 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 16:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	01/26/12 16:10 / jlr
Surr: Dibromofluoromethane	101	%REC		70-130		SW8260B	01/26/12 16:10 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	01/26/12 16:10 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/26/12 16:10 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-003
Client Sample ID: TW4-04

Report Date: 02/08/12
Collection Date: 01/23/12 09:37
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	38	mg/L		1		A4500-Cl B	01/31/12 14:09 / lr
Nitrogen, Nitrate+Nitrite as N	7.1	mg/L	D	0.5		E353.2	01/27/12 16:11 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/28/12 02:22 / jlr
Chloroform	1200	ug/L	D	100		SW8260B	01/27/12 17:52 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/28/12 02:22 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/28/12 02:22 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	01/28/12 02:22 / jlr
Surr: Dibromofluoromethane	102	%REC		70-130		SW8260B	01/28/12 02:22 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	01/28/12 02:22 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	01/28/12 02:22 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-016
Client Sample ID: TW4-05

Report Date: 02/02/12
Collection Date: 01/18/12 08:24
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	22	mg/L		1		A4500-Cl B	01/23/12 14:28 / lr
Nitrogen, Nitrate+Nitrite as N	5.8	mg/L	D	0.5		E353.2	01/20/12 14:56 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 05:33 / jlr
Chloroform	7.6	ug/L		1.0		SW8260B	01/27/12 05:33 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 05:33 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 05:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	01/27/12 05:33 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/27/12 05:33 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	01/27/12 05:33 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/27/12 05:33 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-017
Client Sample ID: TW4-06

Report Date: 02/02/12
Collection Date: 01/18/12 08:31
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	38	mg/L		1		A4500-Cl B	01/23/12 14:30 / lr
Nitrogen, Nitrate+Nitrite as N	0.7	mg/L		0.1		E353.2	01/20/12 14:58 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 06:09 / jlr
Chloroform	38	ug/L		1.0		SW8260B	01/27/12 06:09 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 06:09 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 06:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	01/27/12 06:09 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/27/12 06:09 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/27/12 06:09 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/27/12 06:09 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-022
Client Sample ID: TW4-07

Report Date: 02/02/12
Collection Date: 01/19/12 07:45
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	37	mg/L		1		A4500-CI B	01/23/12 14:46 / lr
Nitrogen, Nitrate+Nitrite as N	3.9	mg/L	D	0.5		E353.2	01/20/12 15:18 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 08:08 / jlr
Chloroform	1000	ug/L	D	100		SW8260B	01/26/12 19:06 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 08:08 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 08:08 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		SW8260B	01/27/12 08:08 / jlr
Surr: Dibromofluoromethane	115	%REC		70-130		SW8260B	01/27/12 08:08 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	01/27/12 08:08 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	01/27/12 08:08 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-011
Client Sample ID: TW4-08

Report Date: 02/02/12
Collection Date: 01/18/12 07:37
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	45	mg/L		1		A4500-Cl B	01/31/12 14:00 / lr
Nitrogen, Nitrate+Nitrite as N	0.3	mg/L		0.1		E353.2	01/20/12 14:33 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 02:31 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 02:31 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 02:31 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 02:31 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	01/27/12 02:31 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/27/12 02:31 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		SW8260B	01/27/12 02:31 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	01/27/12 02:31 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-012
Client Sample ID: TW4-09

Report Date: 02/02/12
Collection Date: 01/18/12 07:45
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	28	mg/L		1		A4500-Cl B	01/23/12 14:17 / lr
Nitrogen, Nitrate+Nitrite as N	2.3	mg/L		0.1		E353.2	01/20/12 14:41 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 03:07 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 03:07 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 03:07 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 03:07 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	01/27/12 03:07 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/27/12 03:07 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/27/12 03:07 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	01/27/12 03:07 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-019
Client Sample ID: TW4-10

Report Date: 02/02/12
Collection Date: 01/19/12 07:06
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	01/23/12 14:33 / lr
Nitrogen, Nitrate+Nitrite as N	0.9	mg/L		0.1		E353.2	01/20/12 15:03 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 07:58 / jlr
Chloroform	76	ug/L	D	10		SW8260B	01/27/12 07:22 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 07:58 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 07:58 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	01/27/12 07:58 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	01/27/12 07:58 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	01/27/12 07:58 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	01/27/12 07:58 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-002
Client Sample ID: TW4-11

Report Date: 02/08/12
Collection Date: 01/24/12 07:49
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	43	mg/L		1		A4500-Cl B	01/31/12 14:08 / lr
Nitrogen, Nitrate+Nitrite as N	6.8	mg/L	D	0.5		E353.2	01/27/12 16:09 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 20:18 / jlr
Chloroform	610	ug/L	D	100		SW8260B	01/27/12 19:41 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 20:18 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 20:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	91.0	%REC		80-120		SW8260B	01/27/12 20:18 / jlr
Surr: Dibromofluoromethane	99.0	%REC		70-130		SW8260B	01/27/12 20:18 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		SW8260B	01/27/12 20:18 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/27/12 20:18 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-001
Client Sample ID: TW4-11R

Report Date: 02/08/12
Collection Date: 01/23/12 13:25
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	01/31/12 14:06 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/27/12 16:06 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 17:16 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 17:16 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 17:16 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 17:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	91.0	%REC		80-120		SW8260B	01/27/12 17:16 / jlr
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	01/27/12 17:16 / jlr
Surr: p-Bromofluorobenzene	87.0	%REC		80-120		SW8260B	01/27/12 17:16 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/27/12 17:16 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-005
Client Sample ID: TW4-12

Report Date: 02/02/12
Collection Date: 01/17/12 06:56
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	28	mg/L		1		A4500-Cl B	01/23/12 13:55 / lr
Nitrogen, Nitrate+Nitrite as N	7.7	mg/L	D	0.5		E353.2	01/20/12 14:18 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 18:36 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 18:36 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 18:36 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 18:36 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	01/26/12 18:36 / jlr
Surr: Dibromofluoromethane	114	%REC		70-130		SW8260B	01/26/12 18:36 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	01/26/12 18:36 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/26/12 18:36 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-006
Client Sample ID: TW4-13

Report Date: 02/02/12
Collection Date: 01/17/12 07:06
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	55	mg/L		1		A4500-CI B	01/23/12 13:57 / lr
Nitrogen, Nitrate+Nitrite as N	5.5	mg/L	D	0.5		E353.2	01/20/12 14:21 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 19:13 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 19:13 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 19:13 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 19:13 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	01/26/12 19:13 / jlr
Surr: Dibromofluoromethane	105	%REC		70-130		SW8260B	01/26/12 19:13 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	01/26/12 19:13 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		SW8260B	01/26/12 19:13 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-007
Client Sample ID: TW4-14

Report Date: 02/02/12
Collection Date: 01/17/12 07:17
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	20	mg/L		1		A4500-Cl B	01/23/12 14:00 / lr
Nitrogen, Nitrate+Nitrite as N	1.9	mg/L		0.1		E353.2	01/20/12 14:23 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 19:49 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 19:49 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 19:49 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 19:49 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	01/26/12 19:49 / jlr
Surr: Dibromofluoromethane	105	%REC		70-130		SW8260B	01/26/12 19:49 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/26/12 19:49 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/26/12 19:49 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-009
Client Sample ID: MW-26

Report Date: 02/08/12
Collection Date: 01/23/12 09:10
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	98	mg/L		1		A4500-Cl B	01/31/12 14:40 / lr
Nitrogen, Nitrate+Nitrite as N	1.7	mg/L		0.1		E353.2	01/27/12 14:16 / dc

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012 Resample
Lab ID: C12020478-001
Client Sample ID: MW-26

Report Date: 02/21/12
Collection Date: 02/07/12 13:55
Date Received: 02/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/16/12 20:56 / jlr
Chloroform	2400	ug/L	D	100		SW8260B	02/16/12 20:20 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/16/12 20:56 / jlr
Methylene chloride	16	ug/L		1.0		SW8260B	02/16/12 20:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	02/16/12 20:56 / jlr
Surr: Dibromofluoromethane	120	%REC		70-130		SW8260B	02/16/12 20:56 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	02/16/12 20:56 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	02/16/12 20:56 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-013
Client Sample ID: TW4-16

Report Date: 02/02/12
Collection Date: 01/18/12 07:54
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	48	mg/L		1		A4500-Cl B	01/23/12 14:20 / lr
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	01/20/12 14:48 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 03:44 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 03:44 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 03:44 / jlr
Methylene chloride	1.7	ug/L		1.0		SW8260B	01/27/12 03:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	01/27/12 03:44 / jlr
Surr: Dibromofluoromethane	102	%REC		70-130		SW8260B	01/27/12 03:44 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	01/27/12 03:44 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	01/27/12 03:44 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-008
Client Sample ID: MW-32

Report Date: 02/02/12
Collection Date: 01/18/12 14:45
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	21	mg/L		1		A4500-CI B	01/23/12 14:02 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 14:26 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 20:26 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 20:26 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 20:26 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 20:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	01/26/12 20:26 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/26/12 20:26 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	01/26/12 20:26 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	01/26/12 20:26 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-018
Client Sample ID: TW4-18

Report Date: 02/02/12
Collection Date: 01/19/12 06:47
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	18	mg/L		1		A4500-Cl B	01/23/12 14:32 / lr
Nitrogen, Nitrate+Nitrite as N	4.4	mg/L	D	0.2		E353.2	01/20/12 15:01 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 06:45 / jlr
Chloroform	25	ug/L		1.0		SW8260B	01/27/12 06:45 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 06:45 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 06:45 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	01/27/12 06:45 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	01/27/12 06:45 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	01/27/12 06:45 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/27/12 06:45 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-003
Client Sample ID: TW4-18R

Report Date: 02/02/12
Collection Date: 01/18/12 09:10
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	01/23/12 13:49 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 14:13 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 17:23 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 17:23 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 17:23 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 17:23 / jlr
Surr: 1,2-Dichlorobenzene-d4	93.0	%REC		80-120		SW8260B	01/26/12 17:23 / jlr
Surr: Dibromofluoromethane	105	%REC		70-130		SW8260B	01/26/12 17:23 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		SW8260B	01/26/12 17:23 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	01/26/12 17:23 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-004
Client Sample ID: TW4-19

Report Date: 02/08/12
Collection Date: 01/23/12 12:45
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	138	mg/L		1		A4500-Cl B	01/31/12 14:11 / lr
Nitrogen, Nitrate+Nitrite as N	0.6	mg/L		0.1		E353.2	01/27/12 16:14 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.5	ug/L		1.0		SW8260B	01/28/12 02:59 / jlr
Chloroform	650	ug/L	D	100		SW8260B	01/27/12 18:28 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/28/12 02:59 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/28/12 02:59 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	01/28/12 02:59 / jlr
Surr: Dibromofluoromethane	102	%REC		70-130		SW8260B	01/28/12 02:59 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	01/28/12 02:59 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	01/28/12 02:59 / jlr

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-005
Client Sample ID: TW4-20

Report Date: 02/08/12
Collection Date: 01/23/12 08:52
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	207	mg/L		1		A4500-Cl B	01/31/12 14:14 / lr
Nitrogen, Nitrate+Nitrite as N	7.9	mg/L	D	0.5		E353.2	01/27/12 16:16 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	10	ug/L		1.0		SW8260B	02/04/12 02:44 / jlr
Chloroform	11000	ug/L	D	1000		SW8260B	02/01/12 13:44 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/04/12 02:44 / jlr
Methylene chloride	1.3	ug/L		1.0		SW8260B	02/04/12 02:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	02/04/12 02:44 / jlr
Surr: Dibromofluoromethane	108	%REC		70-130		SW8260B	02/04/12 02:44 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	02/04/12 02:44 / jlr
Surr: Toluene-d8	104	%REC		80-120		SW8260B	02/04/12 02:44 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-020
Client Sample ID: TW4-21

Report Date: 02/02/12
Collection Date: 01/19/12 07:21
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	228	mg/L		1		A4500-Cl B	01/23/12 14:35 / lr
Nitrogen, Nitrate+Nitrite as N	15	mg/L	D	1		E353.2	01/20/12 15:06 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	6.4	ug/L		1.0		SW8260B	01/26/12 21:39 / jlr
Chloroform	420	ug/L	D	10		SW8260B	01/26/12 21:02 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 21:39 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 21:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	01/26/12 21:39 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	01/26/12 21:39 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/26/12 21:39 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/26/12 21:39 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-021
Client Sample ID: TW4-22

Report Date: 02/02/12
Collection Date: 01/19/12 07:35
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	36	mg/L		1		A4500-Cl B	01/23/12 14:45 / lr
Nitrogen, Nitrate+Nitrite as N	14	mg/L	D	1		E353.2	01/20/12 15:08 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 07:33 / jlr
Chloroform	200	ug/L	D	10		SW8260B	01/26/12 18:30 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 07:33 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 07:33 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		SW8260B	01/27/12 07:33 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	01/27/12 07:33 / jlr
Surr: p-Bromofluorobenzene	95.0	%REC		80-120		SW8260B	01/27/12 07:33 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	01/27/12 07:33 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-009
Client Sample ID: TW4-23

Report Date: 02/02/12
Collection Date: 01/17/12 07:28
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	01/31/12 13:59 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 14:28 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 01:18 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 01:18 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 01:18 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 01:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	01/27/12 01:18 / jlr
Surr: Dibromofluoromethane	108	%REC		70-130		SW8260B	01/27/12 01:18 / jlr
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	01/27/12 01:18 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		SW8260B	01/27/12 01:18 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-014
Client Sample ID: TW4-24

Report Date: 02/02/12
Collection Date: 01/18/12 08:04
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	373	mg/L		1		A4500-Cl B	01/23/12 14:23 / lr
Nitrogen, Nitrate+Nitrite as N	37	mg/L	D	2		E353.2	01/20/12 14:51 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 04:20 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 04:20 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 04:20 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 04:20 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	01/27/12 04:20 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	01/27/12 04:20 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/27/12 04:20 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	01/27/12 04:20 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-010
Client Sample ID: TW4-25

Report Date: 02/02/12
Collection Date: 01/18/12 07:25
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	304	mg/L		1		A4500-Cl B	01/23/12 14:08 / lr
Nitrogen, Nitrate+Nitrite as N	16	mg/L	D	1		E353.2	01/20/12 14:31 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 01:54 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 01:54 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 01:54 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 01:54 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	01/27/12 01:54 / jlr
Surr: Dibromofluoromethane	103	%REC		70-130		SW8260B	01/27/12 01:54 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	01/27/12 01:54 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	01/27/12 01:54 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-002
Client Sample ID: TW4-25R

Report Date: 02/02/12
Collection Date: 01/17/12 08:50
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	01/23/12 13:47 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 14:06 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 16:47 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 16:47 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 16:47 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 16:47 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	01/26/12 16:47 / jlr
Surr: Dibromofluoromethane	103	%REC		70-130		SW8260B	01/26/12 16:47 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		SW8260B	01/26/12 16:47 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	01/26/12 16:47 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-015
Client Sample ID: TW4-26

Report Date: 02/02/12
Collection Date: 01/18/12 08:14
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	17	mg/L		1		A4500-Cl B	01/23/12 14:25 / lr
Nitrogen, Nitrate+Nitrite as N	11	mg/L	D	1		E353.2	01/20/12 14:53 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 04:56 / jlr
Chloroform	7.0	ug/L		1.0		SW8260B	01/27/12 04:56 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 04:56 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 04:56 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	01/27/12 04:56 / jlr
Surr: Dibromofluoromethane	108	%REC		70-130		SW8260B	01/27/12 04:56 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/27/12 04:56 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		SW8260B	01/27/12 04:56 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-006
Client Sample ID: TW4-27

Report Date: 02/08/12
Collection Date: 01/24/12 08:15
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	11	mg/L		1		A4500-Cl B	01/31/12 14:21 / lr
Nitrogen, Nitrate+Nitrite as N	24	mg/L	D	2		E353.2	01/27/12 16:19 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/04/12 03:21 / jlr
Chloroform	9.0	ug/L	D	5.0		SW8260B	02/07/12 06:11 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/04/12 03:21 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/04/12 03:21 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	02/04/12 03:21 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	02/04/12 03:21 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	02/04/12 03:21 / jlr
Surr: Toluene-d8	103	%REC		80-120		SW8260B	02/04/12 03:21 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-010
Client Sample ID: TW4-60

Report Date: 02/08/12
Collection Date: 01/24/12 09:00
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	8	mg/L		1		A4500-Cl B	01/31/12 14:41 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/27/12 14:24 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/01/12 16:37 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/01/12 16:37 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/01/12 16:37 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/01/12 16:37 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		SW8260B	02/01/12 16:37 / jlr
Surr: Dibromofluoromethane	97.0	%REC		70-130		SW8260B	02/01/12 16:37 / jlr
Surr: p-Bromofluorobenzene	130	%REC	S	80-120		SW8260B	02/01/12 16:37 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	02/01/12 16:37 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-024
Client Sample ID: TW4-65

Report Date: 02/02/12
Collection Date: 01/17/12 07:28
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	01/23/12 14:50 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	01/20/12 15:28 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/27/12 02:13 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/27/12 02:13 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/27/12 02:13 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/27/12 02:13 / jlr
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120		SW8260B	01/27/12 02:13 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	01/27/12 02:13 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	01/27/12 02:13 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	01/27/12 02:13 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-025
Client Sample ID: TW4-70

Report Date: 02/02/12
Collection Date: 01/19/12 06:47
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	19	mg/L		1		A4500-Cl B	01/23/12 14:52 / lr
Nitrogen, Nitrate+Nitrite as N	4.2	mg/L	D	0.5		E353.2	01/20/12 15:31 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 20:17 / jlr
Chloroform	26	ug/L		1.0		SW8260B	01/26/12 20:17 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 20:17 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 20:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	113	%REC		80-120		SW8260B	01/26/12 20:17 / jlr
Surr: Dibromofluoromethane	114	%REC		70-130		SW8260B	01/26/12 20:17 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	01/26/12 20:17 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	01/26/12 20:17 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-026
Client Sample ID: Trip Blank 6630

Report Date: 02/02/12
Collection Date: 01/19/12
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	01/26/12 17:55 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	01/26/12 17:55 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	01/26/12 17:55 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	01/26/12 17:55 / jlr
Surr: 1,2-Dichlorobenzene-d4	112	%REC		80-120		SW8260B	01/26/12 17:55 / jlr
Surr: Dibromofluoromethane	113	%REC		70-130		SW8260B	01/26/12 17:55 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	01/26/12 17:55 / jlr
Surr: Toluene-d8	84.0	%REC		80-120		SW8260B	01/26/12 17:55 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-011
Client Sample ID: Trip Blank 6630

Report Date: 02/08/12
Collection Date: 01/24/12
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/01/12 17:12 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/01/12 17:12 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/01/12 17:12 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/01/12 17:12 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	02/01/12 17:12 / jlr
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	02/01/12 17:12 / jlr
Surr: p-Bromofluorobenzene	133	%REC	S	80-120		SW8260B	02/01/12 17:12 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	02/01/12 17:12 / jlr

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012 Resample
Lab ID: C12020478-002
Client Sample ID: Trip Blank 6630

Report Date: 02/21/12
Collection Date: 02/07/12
Date Received: 02/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/16/12 19:44 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/16/12 19:44 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/16/12 19:44 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/16/12 19:44 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	02/16/12 19:44 / jlr
Surr: Dibromofluoromethane	115	%REC		70-130		SW8260B	02/16/12 19:44 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	02/16/12 19:44 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	02/16/12 19:44 / jlr

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010821-012
Client Sample ID: Temp Blank

Report Date: 02/08/12
Collection Date: 01/24/12
Date Received: 01/27/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.0	°C				E170.1	01/27/12 11:10 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012 Resample
Lab ID: C12020478-003
Client Sample ID: Temp Blank

Report Date: 02/21/12
Collection Date: 02/07/12
Date Received: 02/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.8	°C				E170.1	02/10/12 09:20 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Lab ID: C12010623-027
Client Sample ID: Temp Blank

Report Date: 02/02/12
Collection Date: 01/19/12
Date Received: 01/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.3	°C				E170.1	01/20/12 08:50 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012

Report Date: 02/02/12
Work Order: C12010623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: A4500-CI B								Batch: 120123A-CL-TTR-W			
Sample ID: MBLK9-120123A	Method Blank						Run: TITRATION_120123A	01/23/12 13:37			
Chloride		ND	mg/L	1.0							
Sample ID: C12010623-009AMS	Sample Matrix Spike						Run: TITRATION_120123A	01/23/12 14:11			
Chloride		110	mg/L	1.0	99	90	110				
Sample ID: C12010623-009AMSD	Sample Matrix Spike Duplicate						Run: TITRATION_120123A	01/23/12 14:14			
Chloride		111	mg/L	1.0	100	90	110	0.8	10		
Sample ID: C12010623-020AMS	Sample Matrix Spike						Run: TITRATION_120123A	01/23/12 14:37			
Chloride		584	mg/L	1.0	100	90	110				
Sample ID: C12010623-020AMSD	Sample Matrix Spike Duplicate						Run: TITRATION_120123A	01/23/12 14:39			
Chloride		587	mg/L	1.0	101	90	110	0.6	10		
Sample ID: LCS35-120123A	Laboratory Control Sample						Run: TITRATION_120123A	01/23/12 14:41			
Chloride		3560	mg/L	1.0	100	90	110				
Sample ID: C12010623-025AMS	Sample Matrix Spike						Run: TITRATION_120123A	01/23/12 14:53			
Chloride		108	mg/L	1.0	100	90	110				
Sample ID: C12010623-025AMSD	Sample Matrix Spike Duplicate						Run: TITRATION_120123A	01/23/12 14:55			
Chloride		109	mg/L	1.0	101	90	110	0.8	10		
Method: A4500-CI B								Batch: 120131A-CL-TTR-W			
Sample ID: MBLK9-120131A	Method Blank						Run: TITRATION_120131A	01/31/12 13:56			
Chloride		ND	mg/L	1.0							
Sample ID: C12010821-005AMS	Sample Matrix Spike						Run: TITRATION_120131A	01/31/12 14:15			
Chloride		556	mg/L	1.0	98	90	110				
Sample ID: C12010821-005AMSD	Sample Matrix Spike Duplicate						Run: TITRATION_120131A	01/31/12 14:17			
Chloride		559	mg/L	1.0	99	90	110	0.6	10		
Sample ID: LCS35-120131A	Laboratory Control Sample						Run: TITRATION_120131A	01/31/12 15:08			
Chloride		3590	mg/L	1.0	101	90	110				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012

Report Date: 02/02/12
Work Order: C12010623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R155569
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120120A 01/20/12 12:46
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120120A 01/20/12 12:48
Nitrogen, Nitrate+Nitrite as N		2.57	mg/L	0.10	103	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120120A 01/20/12 12:51
Nitrogen, Nitrate+Nitrite as N		2.03	mg/L	0.10	104	90	110			
Sample ID: C12010623-002BMS		Sample Matrix Spike								Run: TECHNICON_120120A 01/20/12 14:08
Nitrogen, Nitrate+Nitrite as N		1.99	mg/L	0.10	99	90	110			
Sample ID: C12010623-002BMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120120A 01/20/12 14:11
Nitrogen, Nitrate+Nitrite as N		2.06	mg/L	0.10	103	90	110	3.5	10	
Sample ID: C12010623-012BMS		Sample Matrix Spike								Run: TECHNICON_120120A 01/20/12 14:43
Nitrogen, Nitrate+Nitrite as N		4.41	mg/L	0.10	107	90	110			
Sample ID: C12010623-012BMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120120A 01/20/12 14:46
Nitrogen, Nitrate+Nitrite as N		4.49	mg/L	0.10	111	90	110	1.8	10	S
Sample ID: C12010623-022BMS		Sample Matrix Spike								Run: TECHNICON_120120A 01/20/12 15:21
Nitrogen, Nitrate+Nitrite as N		14.6	mg/L	0.50	110	90	110			
Sample ID: C12010623-022BMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120120A 01/20/12 15:23
Nitrogen, Nitrate+Nitrite as N		14.1	mg/L	0.50	105	90	110	3.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/02/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R155764										
Sample ID: 26-Jan-12_LCS_7	8	Laboratory Control Sample			Run: 5975VOC1_120126C			01/26/12 14:20		
Carbon tetrachloride		9.7	ug/L	1.0	97	70	130			
Chloroform		10	ug/L	1.0	102	70	130			
Chloromethane		8.1	ug/L	1.0	81	70	130			
Methylene chloride		9.2	ug/L	1.0	92	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	101	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	130			
Surr: Toluene-d8				1.0	88	80	120			
Sample ID: 26-Jan-12_MBLK_9	8	Method Blank			Run: 5975VOC1_120126C			01/26/12 15:31		
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	107	80	120			
Surr: Dibromofluoromethane				1.0	99	70	130			
Surr: p-Bromofluorobenzene				1.0	92	80	120			
Surr: Toluene-d8				1.0	83	80	120			
Sample ID: C12010553-020AMS	8	Sample Matrix Spike			Run: 5975VOC1_120126C			01/26/12 21:28		
Carbon tetrachloride		110	ug/L	5.0	112	70	130			
Chloroform		110	ug/L	5.0	110	70	130			
Chloromethane		89	ug/L	5.0	89	70	130			
Methylene chloride		100	ug/L	5.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	114	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	91	80	120			
Sample ID: C12010553-020AMSD	8	Sample Matrix Spike Duplicate			Run: 5975VOC1_120126C			01/26/12 22:04		
Carbon tetrachloride		110	ug/L	5.0	114	70	130	1.4	20	
Chloroform		110	ug/L	5.0	112	70	130	2.2	20	
Chloromethane		96	ug/L	5.0	96	70	130	8.2	20	
Methylene chloride		110	ug/L	5.0	111	70	130	5.9	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	113	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	90	80	120	0.0	10	
Surr: Toluene-d8				1.0	89	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/02/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010623

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R155765										
Sample ID: 012612_LCS_7	8	Laboratory Control Sample			Run: SATURNCA_120126A				01/26/12 14:21	
Carbon tetrachloride		10	ug/L	1.0	103	70	130			
Chloroform		11	ug/L	1.0	108	70	130			
Chloromethane		11	ug/L	1.0	114	70	130			
Methylene chloride		10	ug/L	1.0	101	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	106	70	130			
Surr: p-Bromofluorobenzene				1.0	92	80	130			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 012612_MBLK_9	8	Method Blank			Run: SATURNCA_120126A				01/26/12 15:34	
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	98	80	120			
Sample ID: C12010623-020CMS	8	Sample Matrix Spike			Run: SATURNCA_120126A				01/26/12 22:15	
Carbon tetrachloride		200	ug/L	10	98	70	130			
Chloroform		640	ug/L	10	110	70	130			
Chloromethane		220	ug/L	10	111	70	130			
Methylene chloride		200	ug/L	10	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	103	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: C12010623-020CMSD	8	Sample Matrix Spike Duplicate			Run: SATURNCA_120126A				01/26/12 22:52	
Carbon tetrachloride		200	ug/L	10	98	70	130	0.0	20	
Chloroform		640	ug/L	10	110	70	130	0.0	20	
Chloromethane		220	ug/L	10	112	70	130	0.4	20	
Methylene chloride		210	ug/L	10	104	70	130	4.3	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	96	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	103	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	88	80	120	0.0	10	
Surr: Toluene-d8				1.0	100	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

February 02, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12010623 Quote ID: C2975 - Chloroform Sampling
Project Name: 1st Quarter Chloroform 2012

Energy Laboratories, Inc. Casper WY received the following 27 samples for Denison Mines USA Corp on 1/20/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12010623-001	TW4-03R	01/16/12 8:55	01/20/12	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C12010623-002	TW4-25R	01/17/12 8:50	01/20/12	Aqueous	Same As Above
C12010623-003	TW4-18R	01/18/12 9:10	01/20/12	Aqueous	Same As Above
C12010623-004	TW4-03	01/17/12 6:35	01/20/12	Aqueous	Same As Above
C12010623-005	TW4-12	01/17/12 6:56	01/20/12	Aqueous	Same As Above
C12010623-006	TW4-13	01/17/12 7:06	01/20/12	Aqueous	Same As Above
C12010623-007	TW4-14	01/17/12 7:17	01/20/12	Aqueous	Same As Above
C12010623-008	MW-32	01/18/12 14:45	01/20/12	Aqueous	Same As Above
C12010623-009	TW4-23	01/17/12 7:28	01/20/12	Aqueous	Same As Above
C12010623-010	TW4-25	01/18/12 7:25	01/20/12	Aqueous	Same As Above
C12010623-011	TW4-08	01/18/12 7:37	01/20/12	Aqueous	Same As Above
C12010623-012	TW4-09	01/18/12 7:45	01/20/12	Aqueous	Same As Above
C12010623-013	TW4-16	01/18/12 7:54	01/20/12	Aqueous	Same As Above
C12010623-014	TW4-24	01/18/12 8:04	01/20/12	Aqueous	Same As Above
C12010623-015	TW4-26	01/18/12 8:14	01/20/12	Aqueous	Same As Above
C12010623-016	TW4-05	01/18/12 8:24	01/20/12	Aqueous	Same As Above
C12010623-017	TW4-06	01/18/12 8:31	01/20/12	Aqueous	Same As Above
C12010623-018	TW4-18	01/19/12 6:47	01/20/12	Aqueous	Same As Above
C12010623-019	TW4-10	01/19/12 7:06	01/20/12	Aqueous	Same As Above
C12010623-020	TW4-21	01/19/12 7:21	01/20/12	Aqueous	Same As Above
C12010623-021	TW4-22	01/19/12 7:35	01/20/12	Aqueous	Same As Above
C12010623-022	TW4-07	01/19/12 7:45	01/20/12	Aqueous	Same As Above
C12010623-023	TW4-01	01/19/12 7:54	01/20/12	Aqueous	Same As Above
C12010623-024	TW4-65	01/17/12 7:28	01/20/12	Aqueous	Same As Above
C12010623-025	TW4-70	01/19/12 6:47	01/20/12	Aqueous	Same As Above
C12010623-026	Trip Blank 6630	01/19/12 0:00	01/20/12	Aqueous	SW8260B VOCs, Standard List
C12010623-027	Temp Blank	01/19/12 0:00	01/20/12	Aqueous	Temperature



ANALYTICAL SUMMARY REPORT

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.02.02 12:16:19 -07:00

CLIENT: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Sample Delivery Group: C12010623

Report Date: 02/02/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

Workorder Receipt Checklist



C12010623

Login completed by: Edith McPike
Reviewed by: BL2000\kschroeder
Reviewed Date: 1/20/2012

Date Received: 1/20/2012

Received by: kg

Carrier FedEx
name:

- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 2.3°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 1st Quarter Chloroform 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Tanner Holliday	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC	Number of Containers Sample Type: A W S V B O DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED										SEE ATTACHED Standard Turnaround (TAT)	RUSH	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: FE-Ex Cooler ID(s):
		Comments:	Receipt Temp 2.3 °C On Ice: <input checked="" type="checkbox"/> N												

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote #																
¹ TW4-03R	1/16/12	0855	5-W	X																
² TW4-25R	1/17/12	0850	5-W	X																
³ TW4-18R	1/18/12	0910	5-W	X																
⁴ TW4-03	1/17/12	0635	5-W	X																
⁵ TW4-12	1/17/12	0656	5-W	X																
⁶ TW4-13	1/17/12	0706	5-W	X																
⁷ TW4-14	1/17/12	0717	5-W	X																
⁸ MW-32	1/18/12	1445	5-W	X																
⁹ TW4-23	1/17/12	0728	5-W	X																
¹⁰ TW4-25	1/18/12	0725	5-W	X																

Custody Seal	
On Bottle	<input checked="" type="checkbox"/> N
On Cooler	<input checked="" type="checkbox"/> N
Intact	<input checked="" type="checkbox"/> N
Signature Match	<input checked="" type="checkbox"/> N

LABORATORY USE ONLY

1/20/12 623

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 1/19/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory:	Date/Time: 1-20-12 8:50	Signature: <i>Kris 6-39c</i>	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin State:	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address:	Contact Name:	Phone/Fax:	Email:
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Same as Page 1

Special Report/Formats:			ANALYSIS REQUESTED SEE ATTACHED Standard Turnaround (TAT)	RUSH Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments:	Shipped by: FE-EX Cooler ID(s):	
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> LEVEL IV <input type="checkbox"/> State: _____ <input type="checkbox"/> NELAC <input type="checkbox"/> Other: _____					Receipt Temp: 7.3 °C On Ice: <input checked="" type="radio"/> Y <input type="radio"/> N Custody Seal On Bottle: <input checked="" type="radio"/> Y <input type="radio"/> N On Cooler: <input checked="" type="radio"/> Y <input type="radio"/> N Intact: <input checked="" type="radio"/> Y <input type="radio"/> N Signature Match: <input checked="" type="radio"/> Y <input type="radio"/> N	
Number of Containers: _____ Sample Type: <input type="checkbox"/> A <input type="checkbox"/> W <input type="checkbox"/> S <input type="checkbox"/> V <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> DW <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Soils/Solids <input type="checkbox"/> Other <input type="checkbox"/> Vegetation <input type="checkbox"/> Bioassay <input type="checkbox"/> DW - Drinking Water			Quote # 62975			
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	LABORATORY USE ONLY		
1 TW4-08	1/18/12	0737	5-W	X		
2 TW4-09	1/18/12	0745	5-W	X		
3 TW4-16	1/18/12	0754	5-W	X		
4 TW4-24	1/18/12	0804	5-W	X		
5 TW4-26	1/18/12	0814	5-W	X		
6 TW4-05	1/18/12	0824	5-W	X		
7 TW4-06	1/18/12	0831	5-W	X		
8 TW4-18	1/19/12	0647	5-W	X		
9 TW4-10	1/19/12	0706	5-W	X		
10 TW4-21	1/19/12	0721	5-W	X		

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday Date/Time: 1/19/2012 1100 Signature: <i>Tanner Holliday</i>	Received by (print): _____ Date/Time: _____ Signature: _____
	Relinquished by (print): _____ Date/Time: _____ Signature: _____	Received by (print): _____ Date/Time: _____ Signature: _____
	Sample Disposal: Return to Client: _____ Lab Disposal: _____	Received by Laboratory: _____ Date/Time: 1-26-12 8:50 Signature: Kris G:sc

Page 37 of 38



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin State:	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: <i>Same as page 1</i>	Contact Name: <i>Same as page 1</i>	Phone/Fax:	Email:
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:			ANALYSIS REQUESTED	SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: <i>FE-Ex</i>
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC							Comments:	Cooler ID(s): <i>Cient</i>
Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water			Quote # <i>62975</i>					Receipt Temp <i>23</i> °C
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)			Collection Date	Collection Time	MATRIX			On Ice: <input type="radio"/> Y <input checked="" type="radio"/> N
1 TW4-22			1/19/12	0735	5-W	X		Custody Seal On Bottle <input checked="" type="radio"/> Y <input type="radio"/> N On Cooler <input type="radio"/> Y <input checked="" type="radio"/> N
2 TW4-07			1/19/12	0745	5-W	X		Intact <input checked="" type="radio"/> Y <input type="radio"/> N
3 TW4-01			1/19/12	0754	5-W	X		Signature Match <input checked="" type="radio"/> Y <input type="radio"/> N
4 TW4-65			1/17/12	0728	5-W	X		LABORATORY USE ONLY
5 TW4-70			1/19/12	0647	5-W	X		
6 Trip Blank 6630			1/19/12 1/12/12		3-W			
7 Temp Blank								
8								
9								
10								

Custody Record MUST be Signed	Relinquished by (print): <i>Tanner Holliday</i>	Date/Time: <i>1/19/12 1100</i>	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal:	Return to Client:	Lab Disposal:	Received by Laboratory:	Date/Time: <i>1-20-12 8:50</i>	Signature: <i>Kris G. Sse</i>



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/08/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 120131A-CL-TTR-W		
Sample ID: MBLK9-120131A		Method Blank					Run: TITRATION_120131A			01/31/12 13:56
Chloride		ND	mg/L	1.0						
Sample ID: C12010821-005AMS		Sample Matrix Spike					Run: TITRATION_120131A			01/31/12 14:15
Chloride		556	mg/L	1.0	98	90	110			
Sample ID: C12010821-005AMSD		Sample Matrix Spike Duplicate					Run: TITRATION_120131A			01/31/12 14:17
Chloride		559	mg/L	1.0	99	90	110	0.6	10	
Sample ID: LCS35-120131A		Laboratory Control Sample					Run: TITRATION_120131A			01/31/12 15:08
Chloride		3590	mg/L	1.0	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012

Report Date: 02/08/12
Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R155787
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120127A 01/27/12 12:16
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120127A 01/27/12 12:19
Nitrogen, Nitrate+Nitrite as N		2.48	mg/L	0.10	99	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120127A 01/27/12 12:21
Nitrogen, Nitrate+Nitrite as N		1.94	mg/L	0.10	99	90	110			
Sample ID: C12010821-009BMS		Sample Matrix Spike								Run: TECHNICON_120127A 01/27/12 14:19
Nitrogen, Nitrate+Nitrite as N		3.72	mg/L	0.10	101	90	110			
Sample ID: C12010821-009BMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120127A 01/27/12 14:21
Nitrogen, Nitrate+Nitrite as N		3.91	mg/L	0.10	111	90	110	5.0	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/08/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R155795										
Sample ID: 012712_LCS_4	8	Laboratory Control Sample								
Run: SATURNCA_120127A 01/27/12 13:23										
Carbon tetrachloride		9.9	ug/L	1.0	99	70	130			
Chloroform		11	ug/L	1.0	108	70	130			
Chloromethane		10	ug/L	1.0	104	70	130			
Methylene chloride		9.8	ug/L	1.0	98	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	89	80	130			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: 012712_MBLK_6	8	Method Blank								
Run: SATURNCA_120127A 01/27/12 14:36										
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	89	80	120			
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: C12010821-002CMS	8	Sample Matrix Spike								
Run: SATURNCA_120127A 01/27/12 20:54										
Carbon tetrachloride		1700	ug/L	100	87	70	130			
Chloroform		2500	ug/L	100	96	70	130			
Chloromethane		1900	ug/L	100	94	70	130			
Methylene chloride		1800	ug/L	100	88	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	97	70	130			
Surr: p-Bromofluorobenzene				1.0	94	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12010821-002CMSD	8	Sample Matrix Spike Duplicate								
Run: SATURNCA_120127A 01/27/12 21:31										
Carbon tetrachloride		1900	ug/L	100	93	70	130	6.2	20	
Chloroform		2600	ug/L	100	100	70	130	2.8	20	
Chloromethane		1900	ug/L	100	97	70	130	2.5	20	
Methylene chloride		1800	ug/L	100	90	70	130	2.2	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	100	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	91	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/08/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R155970										
Sample ID: 01-Feb-12_LCS_4	8	Laboratory Control Sample								
Run: GCMS2_120201B										
02/01/12 11:14										
Carbon tetrachloride		9.7	ug/L	1.0	97	70	130			
Chloroform		10	ug/L	1.0	102	70	130			
Chloromethane		10	ug/L	1.0	102	70	130			
Methylene chloride		10.0	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	105	70	130			
Surr: p-Bromofluorobenzene				1.0	104	80	130			
Surr: Toluene-d8				1.0	106	80	120			
Sample ID: 01-Feb-12_MBLK_6	8	Method Blank								
Run: GCMS2_120201B										
02/01/12 12:24										
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	108	80	120			
Surr: Dibromofluoromethane				1.0	99	70	130			
Surr: p-Bromofluorobenzene				1.0	134	80	120			S
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C12010821-005CMS	8	Sample Matrix Spike								
Run: GCMS2_120201B										
02/01/12 18:21										
Carbon tetrachloride		19000	ug/L	1000	93	70	130			
Chloroform		31000	ug/L	1000	104	70	130			
Chloromethane		22000	ug/L	1000	108	70	130			
Methylene chloride		19000	ug/L	1000	96	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120			
Surr: Dibromofluoromethane				1.0	108	70	130			
Surr: p-Bromofluorobenzene				1.0	100	80	120			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C12010821-005CMSD	8	Sample Matrix Spike Duplicate								
Run: GCMS2_120201B										
02/01/12 18:56										
Carbon tetrachloride		19000	ug/L	1000	95	70	130	2.1	20	
Chloroform		31000	ug/L	1000	102	70	130	1.0	20	
Chloromethane		23000	ug/L	1000	113	70	130	4.7	20	
Methylene chloride		20000	ug/L	1000	98	70	130	2.5	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	91	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	106	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	103	80	120	0.0	10	
Surr: Toluene-d8				1.0	102	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/08/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R156095										
Sample ID: 020312_LCS_4	8	Laboratory Control Sample			Run: SATURNCA_120203B			02/03/12 11:34		
Carbon tetrachloride		9.9	ug/L	1.0	99	70	130			
Chloroform		9.5	ug/L	1.0	95	70	130			
Chloromethane		11	ug/L	1.0	108	70	130			
Methylene chloride		10.0	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	100	70	130			
Surr: p-Bromofluorobenzene				1.0	96	80	130			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: 020312_MBLK_6	8	Method Blank			Run: SATURNCA_120203B			02/03/12 12:47		
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	93	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12010821-008CMS	8	Sample Matrix Spike			Run: SATURNCA_120203B			02/04/12 05:46		
Carbon tetrachloride		2200	ug/L	100	110	70	130			
Chloroform		3700	ug/L	100	108	70	130			
Chloromethane		2400	ug/L	100	118	70	130			
Methylene chloride		2300	ug/L	100	117	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120			
Surr: Dibromofluoromethane				1.0	108	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	120			
Surr: Toluene-d8				1.0	106	80	120			
Sample ID: C12010821-008CMSD	8	Sample Matrix Spike Duplicate			Run: SATURNCA_120203B			02/04/12 06:23		
Carbon tetrachloride		2200	ug/L	100	108	70	130	1.5	20	
Chloroform		3700	ug/L	100	108	70	130	0.2	20	
Chloromethane		2300	ug/L	100	117	70	130	1.4	20	
Methylene chloride		2200	ug/L	100	112	70	130	4.2	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	109	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	105	80	120	0.0	10	
Surr: Toluene-d8				1.0	103	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/08/12

Project: 1st Quarter Chloroform 2012

Work Order: C12010821

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R156139										
Sample ID: 020612_LCS_4	5	Laboratory Control Sample					Run: SATURNCA_120206B	02/06/12 13:12		
Chloroform		12	ug/L	1.0	116	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120			
Surr: Dibromofluoromethane				1.0	112	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	130			
Surr: Toluene-d8				1.0	106	80	120			
Sample ID: 020612_MBLK_6	5	Method Blank					Run: SATURNCA_120206B	02/06/12 14:25		
Chloroform		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	103	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12010822-003EMS	5	Sample Matrix Spike					Run: SATURNCA_120206B	02/06/12 21:06		
Chloroform		4000	ug/L	100	108	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	120			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C12010822-003EMSD	5	Sample Matrix Spike Duplicate					Run: SATURNCA_120206B	02/06/12 21:42		
Chloroform		4000	ug/L	100	108	70	130	0.0	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	103	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	102	80	120	0.0	10	
Surr: Toluene-d8				1.0	102	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

February 08, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12010821 Quote ID: C2975 - Chloroform Sampling
Project Name: 1st Quarter Chloroform 2012

Energy Laboratories, Inc. Casper WY received the following 12 samples for Denison Mines USA Corp on 1/27/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12010821-001	TW4-11R	01/23/12 13:25	01/27/12	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C12010821-002	TW4-11	01/24/12 7:49	01/27/12	Aqueous	Same As Above
C12010821-003	TW4-04	01/23/12 9:37	01/27/12	Aqueous	Same As Above
C12010821-004	TW4-19	01/23/12 12:45	01/27/12	Aqueous	Same As Above
C12010821-005	TW4-20	01/23/12 8:52	01/27/12	Aqueous	Same As Above
C12010821-006	TW4-27	01/24/12 8:15	01/27/12	Aqueous	Same As Above
C12010821-007	TW4-02	01/24/12 8:00	01/27/12	Aqueous	Same As Above
C12010821-008	MW-04	01/23/12 9:23	01/27/12	Aqueous	Same As Above
C12010821-009	MW-26	01/23/12 9:10	01/27/12	Aqueous	Cancelled Sample Chloride Nitrogen, Nitrate + Nitrite
C12010821-010	TW4-60	01/24/12 9:00	01/27/12	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C12010821-011	Trip Blank 6630	01/24/12 0:00	01/27/12	Aqueous	SW8260B VOCs, Standard List
C12010821-012	Temp Blank	01/24/12 0:00	01/27/12	Aqueous	Temperature

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.02.08 14:12:42 -07:00



CLIENT: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012
Sample Delivery Group: C12010821

Report Date: 02/08/12

CASE NARRATIVE

LABORATORY COMMENTS

VOC (chloroform) analysis cancelled for MW-26 due to field issues.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

Workorder Receipt Checklist



C12010821

Denison Mines USA Corp

Login completed by: Debra Williams

Date Received: 1/27/2012

Reviewed by: BL2000\kschroeder

Received by: dw

Reviewed Date: 1/30/2012

Carrier FedEx
name:

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	2.0°C On Ice		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

On sample MW-26, one VOA vial was received broken and a second vial had a large amount of headspace due to cap leak. Only one vial remaining for analysis.



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 1st Quarter Chloroform 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Tanner Holliday	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC			Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED										SEE ATTACHED Standard Turnaround (TAT)	R U S H Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments: <i>Trip Blank Included</i>	Shipped by: Feelx Cooler ID(s): Client				
Trip Blank 6630				Quote # 62975												Receipt Temp 2.0 °C On Ice: <input checked="" type="radio"/> Y <input type="radio"/> N Custody Seal On Bottle <input checked="" type="radio"/> Y <input type="radio"/> N On Cooler <input checked="" type="radio"/> Y <input type="radio"/> N Intact <input checked="" type="radio"/> Y <input type="radio"/> N Signature Match <input checked="" type="radio"/> Y <input type="radio"/> N				
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Collection Date Collection Time MATRIX													LABORATORY USE ONLY							
1 TW4-11R			1/23/12	1325	5-W	X														
2 TW4-11			1/24/12	0749	5-W	X														
3 TW4-04			1/23/12	0937	5-W	X														
4 TW4-19			1/23/12	1245	5-W	X														
5 TW4-20			1/23/12	0852	5-W	X														
6 TW4-27			1/24/12	0815	5-W	X														
7 TW4-02			1/24/12	0800	5-W	X														
8 MW-04			1/23/12	0923	5-W	X														
9 MW-26			1/23/12	0910	5-W	X														
10 TW4-60			1/24/12	0900	5-W	X														

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 1/26/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client: _____	Lab Disposal: _____	Received by Laboratory: <i>[Signature]</i>	Date/Time: 1-27-12	Signature: 1000	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Page 22 of 22



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 02/21/12

Project: 1st Quarter Chloroform 2012 Resample

Work Order: C12020478

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R156504										
Sample ID: 021612_LCS_4	8	Laboratory Control Sample					Run: SATURNCA_120216B			02/16/12 13:39
Carbon tetrachloride		9.6	ug/L	1.0	96	70	130			
Chloroform		9.6	ug/L	1.0	96	70	130			
Chloromethane		10	ug/L	1.0	102	70	130			
Methylene chloride		9.7	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	101	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	130			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: 021612_MBLK_6	8	Method Blank					Run: SATURNCA_120216B			02/16/12 14:52
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
Methylene chloride		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	108	70	130			
Surr: p-Bromofluorobenzene				1.0	92	80	120			
Surr: Toluene-d8				1.0	105	80	120			
Sample ID: C12020478-001AMS	8	Sample Matrix Spike					Run: SATURNCA_120216B			02/16/12 21:33
Carbon tetrachloride		2000	ug/L	100	101	70	130			
Chloroform		4600	ug/L	100	114	70	130			
Chloromethane		2200	ug/L	100	111	70	130			
Methylene chloride		2100	ug/L	100	107	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	110	70	130			
Surr: p-Bromofluorobenzene				1.0	104	80	120			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: C12020478-001AMSD	8	Sample Matrix Spike Duplicate					Run: SATURNCA_120216B			02/16/12 22:09
Carbon tetrachloride		2100	ug/L	100	106	70	130	4.6	20	
Chloroform		4500	ug/L	100	108	70	130	2.8	20	
Chloromethane		2400	ug/L	100	118	70	130	6.0	20	
Methylene chloride		2200	ug/L	100	108	70	130	0.7	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	110	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	98	80	120	0.0	10	
Surr: Toluene-d8				1.0	104	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

February 21, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12020478 Quote ID: C2975 - Chloroform Sampling

Project Name: 1st Quarter Chloroform 2012 Resample

Energy Laboratories, Inc. Casper WY received the following 3 samples for Denison Mines USA Corp on 2/10/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12020478-001	MW-26	02/07/12 13:55	02/10/12	Aqueous	SW8260B VOCs, Standard List
C12020478-002	Trip Blank 6630	02/07/12 0:00	02/10/12	Aqueous	Same As Above
C12020478-003	Temp Blank	02/07/12 0:00	02/10/12	Aqueous	Temperature

The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.02.21 13:52:59 -07:00

CLIENT: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2012 Resample
Sample Delivery Group: C12020478

Report Date: 02/21/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



Workorder Receipt Checklist



C12020478

Login completed by: Debra Williams

Date Received: 2/10/2012

Reviewed by: BL2000kschroeder

Received by: tj

Reviewed Date: 2/15/2012

Carrier Ground
name:

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) Yes No
- Container/Temp Blank temperature: 3.8°C On Ice
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 1st Quarter chloroform 2012 re-sample	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: 6425 S. Hwy 191 Blanding, UT 84511	Contact Name: Tanner Holliday	Phone/Fax: (435) 678 2221	Email: Garrin Palmer
Invoice Address: Same	Invoice Contact & Phone: Same	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:				ANALYSIS REQUESTED	SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: Ups-G1
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC									Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Collection Date Collection Time MATRIX				On Ice: <input checked="" type="checkbox"/> N					
1	MW-26	2-7-12	1355	3-W	X				Custody Seal On Bottle <input checked="" type="checkbox"/> N On Cooler <input checked="" type="checkbox"/> N
2	Trip Blank			3-W					Intact <input checked="" type="checkbox"/> N
3	temp blank								Signature Match <input checked="" type="checkbox"/> N
4									LABORATORY USE ONLY
5									
6									
7									
8									
9									
10									

Custody Record MUST be Signed	Relinquished by (print): Garrin Palmer	Date/Time: 2-9-12 1230	Signature: <i>Garrin Palmer</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print): Garrin Palmer	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:		Received by Laboratory: 2-10-12 9:20 Ups-G	Date/Time:	Signature: <i>Steve Judge</i>

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Tab I

Quality Assurance and Data Validation Tables

I-1: Field QA/QC Evaluation

Location	2x Casing Volume	Volume Pumped	2x Casing Volume	Volume Pumped	Volume Check	Conductivity		RPD	pH		RPD	Temp		RPD	Redox Potential		RPD	Turbidity		RPD
MW-4	NA	Continuously pumped well	--	--		2033		N/A	6.86		N/A	13.47		N/A	181		N/A	1.5		N/A
TW4-01	59.74	55.00	60	55	Pumped Dry	2214		N/A	6.37		N/A	14.43		N/A	273		N/A	401		N/A
TW4-02	69.16	44.00	69	44	Pumped Dry	3371		N/A	6.71		N/A	14.14		N/A	275		N/A	130		N/A
TW4-03	119.90	82.00	120	82	Pumped Dry	2062		N/A	6.72		N/A	13.9		N/A	304		N/A	33.1		N/A
TW4-04	NA	Continuously pumped well	--	--		2426		N/A	6.73		N/A	13.55		N/A	226		N/A	26.8		N/A
TW4-05	83.50	99.00	84	99	OK	1548	1548	0.00	6.52	6.52	0.00	14.86	14.86	0.00	322	322	0.00	990	996	0.60
TW4-06	35.64	22.00	36	22	Pumped Dry	3843		N/A	6.39		N/A	13.47		N/A	322		N/A	711		N/A
TW4-07	68.22	55.00	68	55	Pumped Dry	1579		N/A	6.93		N/A	14.36		N/A	207		N/A	74		N/A
TW4-08	76.06	88.00	76	88	OK	3308	3307	0.03	6.80	6.81	0.15	14.38	14.39	0.07	158	156	1.27	75.0	74	1.34
TW4-09	86.06	99.00	86	99	OK	2415	2419	0.17	6.6	6.6	0.00	14.52	14.53	0.07	257	257	0.00	941	939	0.21
TW4-10	72.04	44.00	72	44	Pumped Dry	2598		N/A	5.83		N/A	12.18		N/A	315		N/A	113.8		N/A
TW4-11	56.08	55.00	56	55	Pumped Dry	1564		N/A	6.82		N/A	13.36		N/A	262		N/A	42.8		N/A
TW4-12	80.30	88.00	80	88	OK	1002	1002	0.00	7.08	7.08	0.00	14.32	14.33	0.07	291	290	0.34	18.2	18.2	0.00
TW4-13	70.26	44.00	70	44	Pumped Dry	1609		N/A	7.01		N/A	14.53		N/A	291		N/A	39.9		N/A
TW4-14	7.90	2.75	8	3	Pumped Dry	568.9		N/A	7.05		N/A	12.16		N/A	296		N/A	34.9		N/A
TW4-15 (MW-26)	NA	Continuously pumped well	--	--		3480		N/A	6.62		N/A	13.26		N/A	206		N/A	1.00		N/A
TW4-15 (MW-26)	NA	Continuously pumped well	--	--		3569		N/A	6.77		N/A	14.39		N/A	304		N/A	0.00		N/A
TW4-16	105.64	110.00	106	110	Pumped Dry	3595		N/A	6.65		N/A	13.97		N/A	192		N/A	215		N/A
TW4-17 (MW-32)	74.44	74.86	74	75	OK	4067	4063	0.10	6.43	6.43	0.00	13.95	13.96	0.07	167	166	0.60	16	15.8	1.26
TW4-18	105.52	121.00	106	121	OK	2031	2011	0.99	6.33	6.32	0.16	14.92	14.92	0.00	295	296	0.34	632	640	1.26
TW4-18	104.66	110.00	105	110	OK	1990	1989	0.05	6.52	6.52	0.00	14.95	14.95	0.00	286	287	0.35	590	583	1.19
TW4-19	NA	Continuously pumped well	--	--		2983		N/A	6.79		N/A	13.58		N/A	242		N/A	2.7		N/A
TW4-20	NA	Continuously pumped well	--	--		3345		N/A	6.44		N/A	15.15		N/A	227		N/A	22.10		N/A
TW4-21	87.26	99.00	87	99	OK	3569	3565	0.11	6.9	6.91	0.14	15.64	15.65	0.06	303	303	0.00	12	11.9	0.84
TW4-22	78.16	66.00	78	66	Pumped Dry	5301		N/A	6.95		N/A	14.92		N/A	293		N/A	25.1		N/A
TW4-23	64.38	77.00	64	77	OK	3766	3765	0.03	6.47	6.48	0.15	13.82	13.82	0.00	175	171	2.31	61	61.2	0.33
TW4-24	74.88	88.00	75	88	OK	9762	9787	0.26	6.6	6.6	0.00	14.73	14.74	0.07	260	260	0.00	7.3	7.3	0.00
TW4-25	114.48	121.00	114	121	OK	3062	3047	0.49	7.01	7.02	0.14	14.67	14.68	0.07	297	297	0.00	20	20.1	0.50
TW4-26	28.98	11	29	11	Pumped Dry	6042		N/A	4.04		N/A	13.93		N/A	495		N/A	21		N/A
TW4-27	16.72	3.66	17	4	Pumped Dry	5017		N/A	6.32		N/A	13.31		N/A	298		N/A	240		N/A

MW-4, TW4-4, TW4-15, TW4-19, and TW4-20 are continually pumped wells.

TW4-01, TW4-02, TW4-03, TW4-06, TW4-07, TW4-10, TW4-11, TW4-13, TW4-14, TW4-22, TW4-26, and TW4-27 were pumped dry and sampled after recovery. TW4-16 was purged to dryness after 2 casing volumes were removed.

RPD > than 10%

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

I-2: Holding Time Evaluation

Location	Constituent	Sample Collection Date	Lab Analysis Date	Holding Time	Allowed Holding Time	Holding Time Check
MW-04	Chloroform	1/23/2012	2/4/2012	12.00 days	14 days	OK
MW-04	Chloromethane	1/23/2012	2/4/2012	12.00 days	14 days	OK
MW-04	Methylene chloride	1/23/2012	2/4/2012	12.00 days	14 days	OK
MW-04	Carbon Tetrachloride	1/23/2012	2/4/2012	12.00 days	14 days	OK
MW-04	Nitrogen	1/23/2012	1/27/2012	4.00 days	28 days	OK
MW-04	Chloride	1/23/2012	1/31/2012	8.00 days	28 days	OK
TW4-01	Chloroform	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-01	Chloromethane	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-01	Methylene chloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-01	Carbon Tetrachloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-01	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-01	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-02	Chloroform	1/24/2012	2/1/2012	8.00 days	14 days	OK
TW4-02	Chloromethane	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-02	Methylene chloride	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-02	Carbon Tetrachloride	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-02	Nitrogen	1/24/2012	1/27/2012	3.00 days	28 days	OK
TW4-02	Chloride	1/24/2012	1/31/2012	7.00 days	28 days	OK
TW4-03	Chloroform	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-03	Chloromethane	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-03	Methylene chloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-03	Carbon Tetrachloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-03	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK
TW4-03	Chloride	1/17/2012	1/23/2012	6.00 days	28 days	OK
TW4-04	Chloroform	1/23/2012	1/27/2012	4.00 days	14 days	OK
TW4-04	Chloromethane	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-04	Methylene chloride	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-04	Carbon Tetrachloride	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-04	Nitrogen	1/23/2012	1/27/2012	4.00 days	28 days	OK
TW4-04	Chloride	1/23/2012	1/31/2012	8.00 days	28 days	OK
TW4-05	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-05	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-05	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-05	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-05	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-05	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-06	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-06	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-06	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-06	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-06	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-06	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-07	Chloroform	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-07	Chloromethane	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-07	Methylene chloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-07	Carbon Tetrachloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-07	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Sample Collection Date	Lab Analysis Date	Holding Time	Allowed Holding Time	Holding Time Check
TW4-07	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-08	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-08	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-08	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-08	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-08	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-08	Chloride	1/18/2012	1/31/2012	13.00 days	28 days	OK
TW4-09	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-09	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-09	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-09	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-09	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-09	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-10	Chloroform	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-10	Chloromethane	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-10	Methylene chloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-10	Carbon Tetrachloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-10	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-10	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-11	Chloroform	1/24/2012	1/27/2012	3.00 days	14 days	OK
TW4-11	Chloromethane	1/24/2012	1/27/2012	3.00 days	14 days	OK
TW4-11	Methylene chloride	1/24/2012	1/27/2012	3.00 days	14 days	OK
TW4-11	Carbon Tetrachloride	1/24/2012	1/27/2012	3.00 days	14 days	OK
TW4-11	Nitrogen	1/24/2012	1/27/2012	3.00 days	28 days	OK
TW4-11	Chloride	1/24/2012	1/31/2012	7.00 days	28 days	OK
TW4-12	Chloroform	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-12	Chloromethane	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-12	Methylene chloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-12	Carbon Tetrachloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-12	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK
TW4-12	Chloride	1/17/2012	1/23/2012	6.00 days	28 days	OK
TW4-13	Chloroform	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-13	Chloromethane	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-13	Methylene chloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-13	Carbon Tetrachloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-13	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK
TW4-13	Chloride	1/17/2012	1/23/2012	6.00 days	28 days	OK
TW4-14	Chloroform	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-14	Chloromethane	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-14	Methylene chloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-14	Carbon Tetrachloride	1/17/2012	1/26/2012	9.00 days	14 days	OK
TW4-14	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK
TW4-14	Chloride	1/17/2012	1/23/2012	6.00 days	28 days	OK
MW-26	Chloroform	2/7/2012	2/16/2012	9.00 days	14 days	OK
MW-26	Chloromethane	2/7/2012	2/16/2012	9.00 days	14 days	OK
MW-26	Methylene chloride	2/7/2012	2/16/2012	9.00 days	14 days	OK
MW-26	Carbon Tetrachloride	2/7/2012	2/16/2012	9.00 days	14 days	OK
MW-26	Nitrogen	1/23/2012	1/27/2012	4.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Sample Collection Date	Lab Analysis Date	Holding Time	Allowed Holding Time	Holding Time Check
MW-26	Chloride	1/23/2012	1/31/2012	8.00 days	28 days	OK
TW4-16	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-16	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-16	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-16	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-16	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-16	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
MW-32	Chloroform	1/18/2012	1/26/2012	8.00 days	14 days	OK
MW-32	Chloromethane	1/18/2012	1/26/2012	8.00 days	14 days	OK
MW-32	Methylene chloride	1/18/2012	1/26/2012	8.00 days	14 days	OK
MW-32	Carbon Tetrachloride	1/18/2012	1/26/2012	8.00 days	14 days	OK
MW-32	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
MW-32	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-18	Chloroform	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-18	Chloromethane	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-18	Methylene chloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-18	Carbon Tetrachloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-18	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-18	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-19	Chloroform	1/23/2012	1/27/2012	4.00 days	14 days	OK
TW4-19	Chloromethane	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-19	Methylene chloride	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-19	Carbon Tetrachloride	1/23/2012	1/28/2012	5.00 days	14 days	OK
TW4-19	Nitrogen	1/23/2012	1/27/2012	4.00 days	28 days	OK
TW4-19	Chloride	1/23/2012	1/31/2012	8.00 days	28 days	OK
TW4-20	Chloroform	1/23/2012	2/1/2012	9.00 days	14 days	OK
TW4-20	Chloromethane	1/23/2012	2/4/2012	12.00 days	14 days	OK
TW4-20	Methylene chloride	1/23/2012	2/4/2012	12.00 days	14 days	OK
TW4-20	Carbon Tetrachloride	1/23/2012	2/4/2012	12.00 days	14 days	OK
TW4-20	Nitrogen	1/23/2012	1/27/2012	4.00 days	28 days	OK
TW4-20	Chloride	1/23/2012	1/31/2012	8.00 days	28 days	OK
TW4-21	Chloroform	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-21	Chloromethane	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-21	Methylene chloride	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-21	Carbon Tetrachloride	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-21	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-21	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-22	Chloroform	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-22	Chloromethane	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-22	Methylene chloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-22	Carbon Tetrachloride	1/19/2012	1/27/2012	8.00 days	14 days	OK
TW4-22	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-22	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK
TW4-23	Chloroform	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-23	Chloromethane	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-23	Methylene chloride	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-23	Carbon Tetrachloride	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-23	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Sample Collection Date	Lab Analysis Date	Holding Time	Allowed Holding Time	Holding Time Check
TW4-23	Chloride	1/17/2012	1/31/2012	14.00 days	28 days	OK
TW4-24	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-24	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-24	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-24	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-24	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-24	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-25	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-25	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-25	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-25	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-25	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-25	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-26	Chloroform	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-26	Chloromethane	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-26	Methylene chloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-26	Carbon Tetrachloride	1/18/2012	1/27/2012	9.00 days	14 days	OK
TW4-26	Nitrogen	1/18/2012	1/20/2012	2.00 days	28 days	OK
TW4-26	Chloride	1/18/2012	1/23/2012	5.00 days	28 days	OK
TW4-27	Chloroform	1/24/2012	2/7/2012	14.00 days	14 days	OK
TW4-27	Chloromethane	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-27	Methylene chloride	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-27	Carbon Tetrachloride	1/24/2012	2/4/2012	11.00 days	14 days	OK
TW4-27	Nitrogen	1/24/2012	1/27/2012	3.00 days	28 days	OK
TW4-27	Chloride	1/24/2012	1/31/2012	7.00 days	28 days	OK
TW4-60	Chloroform	1/24/2012	2/1/2012	8.00 days	14 days	OK
TW4-60	Chloromethane	1/24/2012	2/1/2012	8.00 days	14 days	OK
TW4-60	Methylene chloride	1/24/2012	2/1/2012	8.00 days	14 days	OK
TW4-60	Carbon Tetrachloride	1/24/2012	2/1/2012	8.00 days	14 days	OK
TW4-60	Nitrogen	1/24/2012	1/27/2012	3.00 days	28 days	OK
TW4-60	Chloride	1/24/2012	1/31/2012	7.00 days	28 days	OK
TW4-65	Chloroform	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-65	Chloromethane	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-65	Methylene chloride	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-65	Carbon Tetrachloride	1/17/2012	1/27/2012	10.00 days	14 days	OK
TW4-65	Nitrogen	1/17/2012	1/20/2012	3.00 days	28 days	OK
TW4-65	Chloride	1/17/2012	1/23/2012	6.00 days	28 days	OK
TW4-70	Chloroform	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-70	Chloromethane	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-70	Methylene chloride	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-70	Carbon Tetrachloride	1/19/2012	1/26/2012	7.00 days	14 days	OK
TW4-70	Nitrogen	1/19/2012	1/20/2012	1.00 days	28 days	OK
TW4-70	Chloride	1/19/2012	1/23/2012	4.00 days	28 days	OK

Table I-3 Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
C12020478	MW-26	3.8 °C
C12010821	TW4-11R, TW4-11, TW4-04, TW4-19, TW4-20, TW4-27, TW4-02, MW-04, MW-26, TW4-60, Trip Blank	2.0 °C
C12010623	TW4-03R, TW4-25R, TW4-18R, TW4-03, TW4-12, TW4-13, TW4-14, MW-32, TW4-23, TW4-25, TW4-08, TW4-09, TW4-16, TW4-24, TW4-26, TW4-05, TW4-06, TW4-18, TW4-10, TW4-21, TW4-22, TW4-07, TW4-01, TW4-65, TW4-70, Trip Blank	2.3 °C

I-4 Analytical Method Check

Parameter	Method	Method Used by Lab
Carbon Tetrachloride	SW8260B	SW8260B
Chloride	A4500-Cl B	A4500-Cl B
Chloroform	SW8260B	SW8260B
Chloromethane	SW8260B	SW8260B
Methylene chloride	SW8260B	SW8260B
Nitrogen	E353.2	E353.2

All parameters were analyzed using the reporting method specified in the QAP

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
MW-04	Chloroform	100 ug/L	1.0 ug/L	D	OK
MW-04	Chloromethane	1 ug/L	1.0 ug/L	U	OK
MW-04	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
MW-04	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
MW-04	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
MW-04	Chloride	1 mg/L	1 mg/L		OK
TW4-01	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-01	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-01	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-01	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-01	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-01	Chloride	1 mg/L	1 mg/L		OK
TW4-02	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-02	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-02	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-02	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-02	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-02	Chloride	1 mg/L	1 mg/L		OK
TW4-03	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-03	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-03	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-03	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-03	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-03	Chloride	1 mg/L	1 mg/L		OK
TW4-04	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-04	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-04	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-04	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-04	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-04	Chloride	1 mg/L	1 mg/L		OK
TW4-05	Chloroform	1 ug/L	1.0 ug/L		OK
TW4-05	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-05	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-05	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-05	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-05	Chloride	1 mg/L	1 mg/L		OK
TW4-06	Chloroform	1 ug/L	1.0 ug/L	D	OK
TW4-06	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-06	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-06	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-06	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-06	Chloride	1 mg/L	1 mg/L		OK
TW4-07	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-07	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-07	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-07	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-07	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
TW4-07	Chloride	1 mg/L	1 mg/L		OK
TW4-08	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-08	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-08	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-08	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-08	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-08	Chloride	1 mg/L	1 mg/L		OK
TW4-09	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-09	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-09	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-09	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-09	Chloride	1 mg/L	1 mg/L		OK
TW4-10	Chloroform	10 ug/L	1.0 ug/L	D	OK
TW4-10	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-10	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-10	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-10	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-10	Chloride	1 mg/L	1 mg/L		OK
TW4-11	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-11	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-11	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-11	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-11	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-11	Chloride	1 mg/L	1 mg/L		OK
TW4-12	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-12	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-12	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-12	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-12	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-12	Chloride	1 mg/L	1 mg/L		OK
TW4-13	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-13	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-13	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-13	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-13	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-13	Chloride	1 mg/L	1 mg/L		OK
TW4-14	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-14	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-14	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-14	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-14	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-14	Chloride	1 mg/L	1 mg/L		OK
MW-26	Chloroform	100 ug/L	1.0 ug/L	D	OK
MW-26	Chloromethane	1 ug/L	1.0 ug/L	U	OK
MW-26	Methylene chloride	1 ug/L	1.0 ug/L		OK
MW-26	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
MW-26	Nitrogen	0.1 mg/L	0.1 mg/L		OK
MW-26	Chloride	1 mg/L	1 mg/L		OK

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
TW4-16	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-16	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-16	Methylene chloride	1 ug/L	1.0 ug/L		OK
TW4-16	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-16	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-16	Chloride	1 mg/L	1 mg/L		OK
MW-32	Chloroform	1 ug/L	1.0 ug/L	U	OK
MW-32	Chloromethane	1 ug/L	1.0 ug/L	U	OK
MW-32	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
MW-32	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
MW-32	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
MW-32	Chloride	1 mg/L	1 mg/L		OK
TW4-18	Chloroform	1 ug/L	1.0 ug/L		OK
TW4-18	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-18	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-18	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-18	Nitrogen	0.2 mg/L	0.1 mg/L	D	OK
TW4-18	Chloride	1 mg/L	1 mg/L		OK
TW4-19	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-19	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-19	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-19	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-19	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-19	Chloride	1 mg/L	1 mg/L		OK
TW4-20	Chloroform	1000 ug/L	1.0 ug/L	D	OK
TW4-20	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-20	Methylene chloride	1 ug/L	1.0 ug/L		OK
TW4-20	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-20	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-20	Chloride	1 mg/L	1 mg/L		OK
TW4-21	Chloroform	10 ug/L	1.0 ug/L	D	OK
TW4-21	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-21	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-21	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-21	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-21	Chloride	1 mg/L	1 mg/L		OK
TW4-22	Chloroform	10 ug/L	1.0 ug/L	D	OK
TW4-22	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-22	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-22	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-22	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-22	Chloride	1 mg/L	1 mg/L		OK
TW4-23	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-23	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-23	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-23	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-23	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
TW4-23	Chloride	1 mg/L	1 mg/L		OK

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
TW4-24	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-24	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-24	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-24	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-24	Nitrogen	2 mg/L	0.1 mg/L	D	OK
TW4-24	Chloride	1 mg/L	1 mg/L		OK
TW4-25	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-25	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-25	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-25	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-25	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-25	Chloride	1 mg/L	1 mg/L		OK
TW4-26	Chloroform	1 ug/L	1.0 ug/L		OK
TW4-26	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-26	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-26	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-26	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-26	Chloride	1 mg/L	1 mg/L		OK
TW4-27	Chloroform	5 ug/L	1.0 ug/L	D	OK
TW4-27	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-27	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-27	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-27	Nitrogen	2 mg/L	0.1 mg/L	D	OK
TW4-27	Chloride	1 mg/L	1 mg/L		OK
TW4-60	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-60	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-60	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-60	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-60	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
TW4-60	Chloride	1 mg/L	1 mg/L		OK
TW4-65	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-65	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-65	Methylene chloride	1 ug/L	1.0 ug/L		OK
TW4-65	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-65	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
TW4-65	Chloride	1 mg/L	1 mg/L		OK
TW4-70	Chloroform	1 ug/L	1.0 ug/L		OK
TW4-70	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-70	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-70	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-70	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-70	Chloride	1 mg/L	1 mg/L		OK

U = Analyte was not detected at the RL

D = RL was increased due to sample matrix or required dilution due to the sample concentration. In all cases the

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
C12020478	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
C12010821	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
C12010623	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L

I-7 QA/QC Evaluation for Sample Duplicates

Constituent	TW4-23	TW4-65	%RPD
Chloride (mg/L)	40	40	0
Nitrate + Nitrite (as N)	ND	ND	NC
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-18	TW4-70	%RPD
Chloride (mg/L)	18	19	5.41
Nitrate + Nitrite (as N)	4.4	4.2	4.65
Carbon Tetrachloride	ND	ND	NC
Chloroform	25	26	3.92
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

I-8 QC Control Limits for Analysis and Blanks

Matrix Spike % Recovery Comparison

Lab Report	Lab Sample ID	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD
C12010821	C12010821-009	MW-26	Nitrate+Nitrate as N	101	111	90-110	5
C12010623	C12010623-012	TW4-09	Nitrate+Nitrate as N	107	111	90-110	1.8

NA - Not a Denison sample

Surrogate % Recovery

Lab Report	Well/Sample	Analyte	Surrogate %REC	Lab Specified REC Range	QAP Required Range
C12010821	TW4-60	p-Bromofluorobenzene	130	80-120	None
C12010821	Trip Blank	p-Bromofluorobenzene	133	80-120	None
C12010821	Method Blank	p-Bromofluorobenzene	134	80-120	None

I-9 Rinsate Evaluation

Rinsate Sample	Parameter	Rinsate Result		Previous Well Sampled	Result for Previous Well Sampled		Qualifier	Rinsate Reporting Limit
TW4-03R	Chloroform	1.0	ug/L	N/A	N/A	ug/L		1.0 ug/L

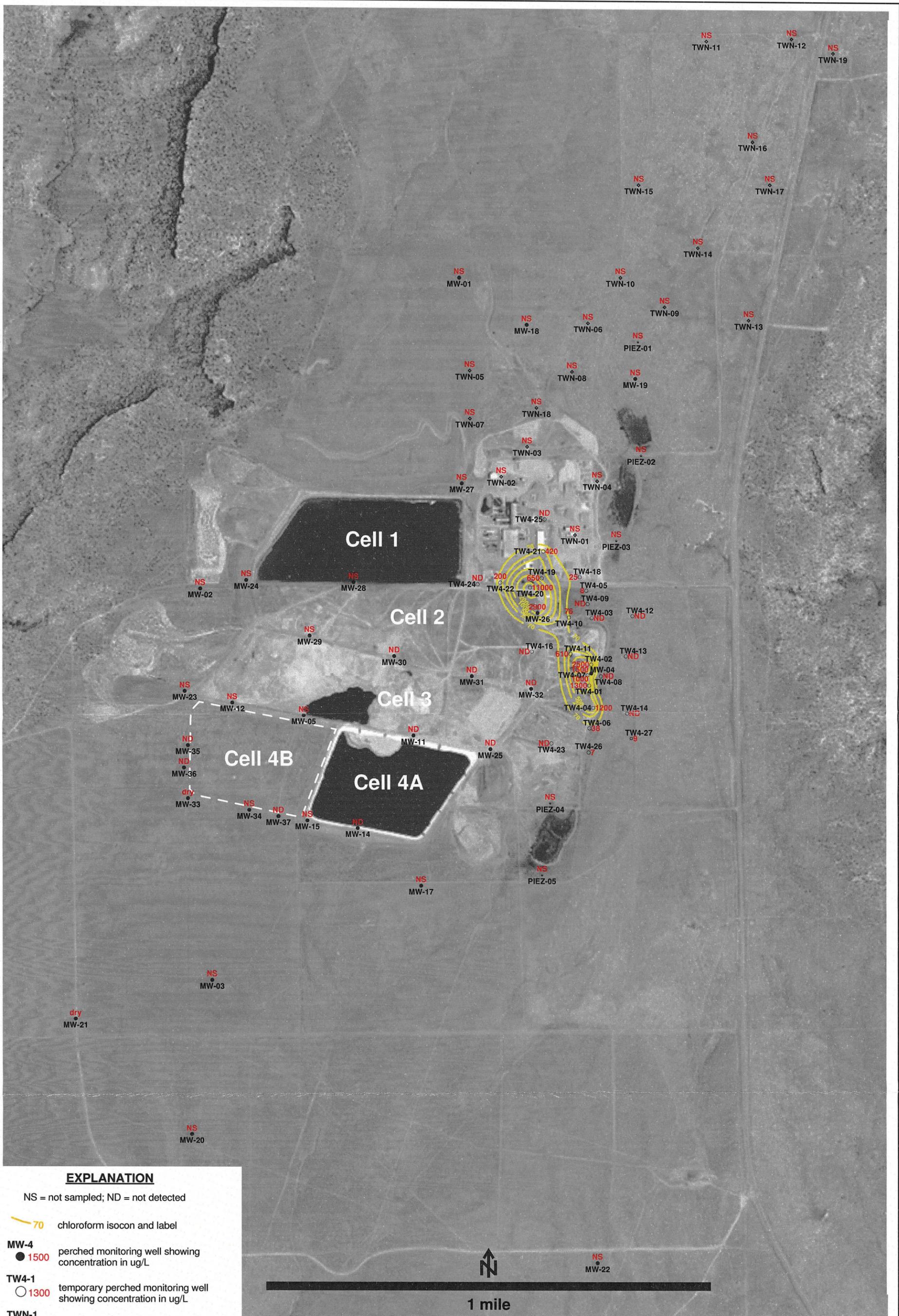
Previous well sampled is the well that the pump was used to purge prior to the rinsate sample.

D = Reporting limit raised due to dilution/sample matrix.

** Only rinsates with detections are listed. TW4-11R, TW4-18R, and TW4-25R results were ND

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map



EXPLANATION

NS = not sampled; ND = not detected

- 70 chloroform isocon and label
- MW-4**
● 1500 perched monitoring well showing concentration in ug/L
- TW4-1**
○ 1300 temporary perched monitoring well showing concentration in ug/L
- TWN-1**
◇ NS temporary perched nitrate monitoring well (not sampled)
- PIEZ-1**
● NS perched piezometer (not sampled)
- TW4-27**
☼ 9 temporary perched monitoring well installed October, 2011 showing concentration in ug/L



**HYDRO
GEO
CHEM, INC.**

**KRIGED 1st QUARTER, 2012 CHLOROFORM (ug/L)
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uchl0312.srf	J-1

Tab K

Analyte Concentrations Over Time

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Sep-99	6200					
28-Sep-99	5820					
28-Sep-99	6020					
15-Mar-00	5520					
15-Mar-00	5430					
2-Sep-00	5420				9.63	
30-Nov-00	6470				9.37	
29-Mar-01	4360				8.77	
22-Jun-01	6300				9.02	
20-Sep-01	5300				9.45	
8-Nov-01	5200				8	
26-Mar-02	4700				8.19	
22-May-02	4300				8.21	
12-Sep-02	6000				8.45	
24-Nov-02	2500				8.1	
28-Mar-03	2000				8.3	
30-Apr-03	3300				NA	
30-May-03	3400				8.2	
23-Jun-03	4300				8.2	
30-Jul-03	3600				8.1	
29-Aug-03	4100				8.4	
12-Sep-03	3500				8.5	
15-Oct-03	3800				8.1	
8-Nov-03	3800				8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	3300				6.71	
17-Nov-04	4300				7.5	
16-Mar-05	2900				6.3	
25-May-05	3170	NA	NA	NA	7.1	NA
31-Aug-05	3500	<10	<10	<10	7.0	NA
1-Dec-05	3000	<50	<50	<50	7.0	NA
9-Mar-06	3100	<50	<50	50	6	49
14-Jun-06	3000	<50	<50	50	6	49
20-Jul-06	2820	<50	<50	<50	1.2	48
9-Nov-06	2830	2.1	1.4	<1	6.4	50
28-Feb-07	2300	1.6	<1	<1	6.3	47
27-Jun-07	2000	1.8	<1	<1	7	45
15-Aug-07	2600	1.9	<1	<1	6.2	47
10-Oct-07	2300	1.7	<1	<1	6.2	45
26-Mar-08	2400	1.7	<1	<1	5.8	42
25-Jun-08	2500	1.6	<1	<1	6.09	42
10-Sep-08	1800	1.8	<1	<1	6.36	35
15-Oct-08	2100	1.7	<1	<1	5.86	45
4-Mar-09	2200	1.5	<1	<1	5.7	37

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Jun-09	1800	1.3	<1	<1	5.2	34
14-Sep-09	2000	1.4	<1	<1	5.3	43
14-Dec-09	1800	1.6	ND	ND	5.8	44
17-Feb-10	1600	1.2	ND	ND	4	45
14-Jun-10	2100	1.2	ND	ND	5.1	41
16-Aug-10	1900	1.5	ND	ND	4.8	38
11-Oct-10	1500	1.4	ND	ND	4.9	41
23-Feb-11	1700	1.5	ND	ND	4.6	40
1-Jun-11	1700	1.4	ND	ND	4.9	35
17-Aug-11	1700	1.1	ND	ND	4.9	41
16-Nov-11	1600	1.3	ND	ND	5.1	40
23-Jan-12	1500	1	ND	ND	4.8	41

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	1700				7.2	
10-Nov-99	5.8					
15-Mar-00	1100					
10-Apr-00	1490					
6-Jun-00	1530					
2-Sep-00	2320				5.58	
30-Nov-00	3440				7.79	
29-Mar-01	2340				7.15	
22-Jun-01	6000				8.81	
20-Sep-01					12.8	
8-Nov-01	3200				12.4	
26-Mar-02	3200				13.1	
22-May-02	2800				12.7	
12-Sep-02	3300				12.8	
24-Nov-02	3500				13.6	
28-Mar-03	3000				12.4	
23-Jun-03	3600				12.5	
12-Sep-03	2700				12.5	
8-Nov-03	3400				11.8	
29-Mar-04	3200				11	
22-Jun-04	3100				8.78	
17-Sep-04	2800				10.8	
17-Nov-04	3000				11.1	
16-Mar-05	2700				9.1	
25-May-05	3080	NA	NA	NA	10.6	NA
31-Aug-05	2900	<10	<10	<10	9.8	NA
1-Dec-05	2400	<50	<50	<50	9.7	NA
9-Mar-06	2700	<50	<50	<50	9.4	49
14-Jun-06	2200	<50	<50	<50	9.8	48
20-Jul-06	2840	<50	<50	<50	9.7	51
8-Nov-06	2260	1.4	<1	<1	9.4	47
28-Feb-07	1900	1.2	<1	<1	8.9	47
27-Jun-07	1900	1.4	<1	<1	9	45
15-Aug-07	2300	1.3	<1	<1	8.4	43
10-Oct-07	2000	1.3	<1	<1	7.8	43
26-Mar-08	2000	1.3	<1	<1	7.6	39
25-Jun-08	1900	1.1	<1	<1	8.68	39
10-Sep-08	1700	1.3	<1	<1	8.15	35
15-Oct-08	1700	1.3	<1	<1	9.3	41

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Mar-09	1700	1.1	<1	<1	7.5	37
24-Jun-09	1500	1	<1	<1	6.9	37
15-Sep-09	1700	<1	<1	<1	7.3	36
29-Dec-09	1400	<1	<1	<1	6.8	41
3-Mar-10	1300	<1	<1	<1	7.1	35
15-Jun-10	1600	1.2	<1	<1	6.8	40
24-Aug-10	1500	<1	<1	<1	6.8	35
14-Oct-10	1500	<1	<1	<1	6.6	40
24-Feb-11	1300	ND	ND	ND	6.6	41
1-Jun-11	1200	ND	ND	ND	7	35
18-Aug-11	1300	ND	ND	ND	6.8	36
29-Nov-11	1300	ND	ND	ND	6.6	37
19-Jan-12	1300	ND	ND	ND	6.8	38

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-99	2510					
2-Sep-00	5220					
28-Nov-00	4220				10.7	
29-Mar-01	3890				10.2	
22-Jun-01	5500				9.67	
20-Sep-01	4900				11.4	
8-Nov-01	5300				10.1	
26-Mar-02	5100				9.98	
23-May-02	4700				9.78	
12-Sep-02	6000				9.44	
24-Nov-02	5400				10.4	
28-Mar-03	4700				9.5	
23-Jun-03	5100				9.6	
12-Sep-03	3200				8.6	
8-Nov-03	4700				9.7	
29-Mar-04	4200				9.14	
22-Jun-04	4300				8.22	
17-Sep-04	4100				8.4	
17-Nov-04	4500				8.6	
16-Mar-05	3700				7.7	
25-May-05	3750				8.6	
31-Aug-05	3900	<10	<10	<10	8	NA
1-Dec-05	3500	<50	<50	<50	7.8	NA
9-Mar-06	3800	<50	<50	<50	7.5	56
14-Jun-06	3200	<50	<50	<50	7.1	56
20-Jul-06	4120	<50	<50	<50	7.4	54
8-Nov-06	3420	2.3	<1	<1	7.6	55
28-Feb-07	2900	1.8	<1	<1	7.3	54
27-Jun-07	3000	2.5	<1	<1	7.8	50
15-Aug-07	340	2.2	<1	<1	7.3	49
10-Oct-07	3200	2.1	<1	<1	6.9	51
26-Mar-08	3300	2.3	<1	<1	6.9	48
25-Jun-08	3100	2.2	<1	<1	7.44	46
10-Sep-08	2800	2.4	<1	<1	7.1	42
15-Oct-08	3200	2.4	<2	<2	7.99	47
11-Mar-09	3100	2.2	<1	<1	6.5	46
24-Jun-09	2800	2	<1	<1	6.4	44
15-Sep-09	3000	2	<1	<1	6.6	43
29-Dec-09	1600	2	<1	<1	6.4	46

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
3-Mar-10	2600	2	<1	<1	6.8	42
15-Jun-10	3300	2.6	<1	<1	6.7	43
16-Aug-10	3300	2.5	<1	<1	6.6	43
14-Oct-10	3000	2.1	<1	<1	6.5	41
24-Feb-11	3100	2.4	ND	ND	7	46
2-Jun-11	3000	2.2	ND	ND	6.8	42
17-Aug-11	2400	1.6	ND	ND	6	48
29-Nov-11	3900	2.8	ND	ND	7	49
24-Jan-12	2500	2	ND	ND	7.1	49

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	3500				7.6	
29-Nov-99	702					
15-Mar-00	834					
2-Sep-00	836				1.56	
29-Nov-00	836				1.97	
27-Mar-01	347				1.85	
21-Jun-01	390				2.61	
20-Sep-01	300				3.06	
7-Nov-01	170				3.6	
26-Mar-02	11				3.87	
21-May-02	204				4.34	
12-Sep-02	203				4.32	
24-Nov-02	102				4.9	
28-Mar-03	0				4.6	
23-Jun-03	0				4.8	
12-Sep-03	0				4.3	
8-Nov-03	0				4.8	
29-Mar-04	0				4.48	
22-Jun-04	0				3.68	
17-Sep-04	0				3.88	
17-Nov-04	0				4.1	
16-Mar-05	0				3.5	
25-May-05	<1	NA	NA	NA	3.7	NA
31-Aug-05	<1	<1	6.4	<1	3.5	NA
1-Dec-05	<1	<1	2.3	<1	3.3	NA
9-Mar-06	<1	<1	2.2	<1	3.3	26
14-Jun-06	<1	<1	<1	<1	3.2	26
20-Jul-06	<1	<1	1.6	<1	2.9	26
8-Nov-06	<1	<1	<1	<1	1.5	23
28-Feb-07	<1	<1	<1	<1	3.1	22
27-Jun-07	<1	<1	<1	<1	3.3	23
15-Aug-07	<1	<1	<1	<1	3.1	24
10-Oct-07	<1	<1	<1	<1	2.8	27
26-Mar-08	<1	<1	<1	<1	2.8	21
25-Jun-08	<1	<1	<1	<1	2.85	19
10-Sep-08	<1	<1	<1	<1	2.66	19
15-Oct-08	<1	<1	<1	<1	2.63	22
4-Mar-09	<1	<1	<1	<1	2.5	21
24-Jun-09	<1	<1	<1	<1	2.9	20

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Sep-09	<1	<1	<1	<1	2.8	21
16-Dec-09	<1	<1	<1	<1	2.5	22
23-Feb-10	<1	<1	<1	<1	2.8	23
8-Jun-10	<1	<1	<1	<1	3	24
10-Aug-10	<1	<1	<1	<1	3.1	22
5-Oct-10	<1	<1	<1	<1	3.3	26
15-Feb-11	ND	ND	ND	ND	3.5	23
25-May-11	ND	ND	ND	ND	3.7	23
16-Aug-11	ND	ND	ND	ND	4	23
15-Nov-11	ND	ND	ND	ND	4.4	23
17-Jan-12	ND	ND	ND	ND	4.3	21

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	3.9					
28-Mar-01	2260				1.02	
20-Jun-01	3100				14.5	
20-Sep-01	3200				14	
8-Nov-01	2900				14.8	
26-Mar-02	3400				15	
22-May-02	3200				13.2	
12-Sep-02	4000				13.4	
24-Nov-02	3800				12.6	
28-Mar-03	3300				13.4	
23-Jun-03	3600				12.8	
12-Sep-03	2900				12.3	
8-Nov-03	3500				12.3	
29-Mar-04	3200				12.2	
22-Jun-04	3500				12.1	
17-Sep-04	3100				11.1	
17-Nov-04	3600				10.8	
16-Mar-05	3100				11.6	
25-May-05	2400	NA	NA	NA	11.3	NA
31-Aug-05	3200	<10	<10	<10	9.9	NA
1-Dec-05	2800	<50	<50	<50	10.2	NA
9-Mar-06	2900	<50	<50	<50	9.5	51
14-Jun-06	2600	<50	<50	<50	8.6	48
20-Jul-06	2850	<50	<50	<50	9.7	50
8-Nov-06	2670	1.7	<1	<1	10.1	49
28-Feb-07	2200	1.5	<1	<1	9	49
27-Jun-07	2400	1.7	<1	<1	9.4	47
15-Aug-07	2700	1.5	<1	<1	9.5	45
10-Oct-07	2500	1.5	<1	<1	9.5	47
26-Mar-08	2800	1.6	<1	<1	9.2	43
25-Jun-08	2500	1.5	<1	<1	10.8	42
10-Sep-08	2200	1.4	<1	<1	8.83	39
15-Oct-08	2500	2	<2	<2	10.1	44
4-Mar-09	2200	1.2	<1	<1	10.2	37
24-Jun-09	1800	1.2	<1	<1	8.2	34
15-Sep-09	2000	1.1	<1	<1	8.4	39
29-Dec-09	950	1.1	<1	<1	7.6	41

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Feb-10	1700	1	<1	<1	6.6	48
10-Jun-10	2000	1.2	<1	<1	7.6	35
16-Aug-10	2100	1.3	<1	<1	7.3	36
11-Oct-10	1700	1.3	<1	<1	7.1	38
23-Feb-11	1800	1.4	ND	ND	7	41
1-Jun-11	1700	1.2	ND	ND	7	35
17-Aug-11	1500	ND	ND	ND	6.6	40
16-Nov-11	1500	1	ND	ND	7	39
23-Jan-12	1200	ND	ND	ND	7.1	38

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	29.5					
15-Mar-00	49.0					
2-Sep-00	124					
29-Nov-00	255					
28-Mar-01	236					
20-Jun-01	240					
20-Sep-01	240					
7-Nov-01	260					
26-Mar-02	260					
22-May-02	300					
12-Sep-02	330					
24-Nov-02	260					
28-Mar-03	240					
23-Jun-03	290					
12-Sep-03	200					
8-Nov-03	240					
29-Mar-04	210					
22-Jun-04	200					
17-Sep-04	150					
17-Nov-04	180					
16-Mar-05	120					
25-May-05	113	NA	NA	NA	3.7	NA
31-Aug-05	82.0	<2.5	5.8	<2.5	6	NA
1-Dec-05	63.0	<2.5	2.5	<2.5	6	NA
9-Mar-06	66.0	<2.5	3.1	<2.5	6	52
14-Jun-06	51.0	<1	<2.5	<2.5	5.9	51
20-Jul-06	53.7	<1	<1	<1	6.7	54
8-Nov-06	47.1	<1	<1	<1	2.9	55
28-Feb-07	33.0	<1	<1	<1	7.8	57
27-Jun-07	26.0	<1	<1	<1	7	45
15-Aug-07	9.2	<1	<1	<1	7.7	38
10-Oct-07	9.4	<1	<1	<1	8.2	39
26-Mar-08	11.0	<1	<1	<1	7.4	36
25-Jun-08	9.3	<1	<1	<1	8.7	37
10-Sep-08	11.0	<1	<1	<1	7.91	34
15-Oct-08	10.0	<1	<1	<1	9.3	37
4-Mar-09	12.0	<1	<1	<1	7.9	34
24-Jun-09	13.0	<1	<1	<1	7.5	37
15-Sep-09	12.0	<1	<1	<1	8.3	48

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Dec-09	8.5	<1	<1	<1	7.5	41
25-Feb-10	13.0	<1	<1	<1	6.8	43
9-Jun-10	12.0	<1	<1	<1	7.1	28
11-Aug-10	12.0	<1	<1	<1	7	38
13-Oct-10	11.0	<1	<1	<1	7.2	41
22-Feb-11	10.0	ND	ND	ND	7	34
26-May-11	9.0	ND	ND	ND	7.2	35
17-Aug-11	10.0	ND	ND	ND	7.5	37
7-Dec-11	7.9	ND	ND	ND	6	30
18-Jan-12	7.6	ND	ND	ND	5.8	22

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	0				ND	
26-Mar-01	0				0.13	
20-Jun-01	0				ND	
20-Sep-01	4				ND	
7-Nov-01	1				ND	
26-Mar-02	0				ND	
21-May-02	0				ND	
12-Sep-02	0				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	0				ND	
12-Sep-03	0				ND	
8-Nov-03	0				ND	
29-Mar-04	0				ND	
22-Jun-04	0				ND	
17-Sep-04	0				ND	
17-Nov-04	0				ND	
16-Mar-05	0				0.2	
25-May-05	2.5	NA	NA	NA	0.4	NA
31-Aug-05	10.0	<1	2.8	<1	0.8	NA
1-Dec-05	17.0	<1	1.3	<1	0.9	NA
9-Mar-06	31.0	<1	<1	<1	1.2	31
14-Jun-06	19.0	<1	<1	<1	1	30
20-Jul-06	11.0	<1	<1	<1	0.6	37
8-Nov-06	42.8	<1	<1	<1	1.4	65
28-Feb-07	46.0	<1	<1	<1	1.5	32
27-Jun-07	11.0	<1	<1	<1	0.6	38
15-Aug-07	18.0	<1	<1	<1	0.7	36
10-Oct-07	18.0	<1	<1	<1	0.8	38
26-Mar-08	52.0	<1	<1	<1	1.1	33
25-Jun-08	24.0	<1	<1	<1	0.9	35
10-Sep-08	39.0	<1	<1	<1	1.14	35
15-Oct-08	37.0	<1	<1	<1	1.01	33
11-Mar-09	81.0	<1	<1	<1	2.2	35
24-Jun-09	120	<1	<1	<1	2.7	37
15-Sep-09	280	<1	<1	<1	5.0	37
22-Dec-09	250	<1	<1	<1	6.1	41
25-Feb-10	1000	<1	<1	<1	1.6	45
10-Jun-10	590	<1	<1	<1	2.5	33
12-Aug-10	630	<1	<1	<1	3.9	31
13-Oct-10	420	<1	<1	<1	4.3	41
23-Feb-11	47	ND	ND	ND	0.7	40

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
26-May-11	10	ND	ND	ND	0.3	42
17-Aug-11	16	ND	ND	ND	0.3	39
7-Dec-11	21	ND	ND	ND	0.8	36
18-Jan-12	38	ND	ND	ND	0.7	38

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	256					
15-Mar-00	616					
2-Sep-00	698					
29-Nov-00	684				1.99	
28-Mar-01	747				2.46	
20-Jun-01	1100				2.65	
20-Sep-01	1200				3.38	
8-Nov-01	1100				2.5	
26-Mar-02	1500				3.76	
23-May-02	1600				3.89	
12-Sep-02	1500				3.18	
24-Nov-02	2300				4.6	
28-Mar-03	1800				4.8	
23-Jun-03	5200				7.6	
12-Sep-03	3600				7.6	
8-Nov-03	4500				7.1	
29-Mar-04	2500				4.63	
22-Jun-04	2900				4.83	
17-Sep-04	3100				5.59	
17-Nov-04	3800				6	
16-Mar-05	3100				5.2	
25-May-05	2700	NA	NA	NA	5.4	NA
31-Aug-05	3100	<10	<10	<10	5.2	NA
1-Dec-05	2500	<50	<50	<50	5.3	NA
9-Mar-06	1900	<50	<50	<50	1	48
14-Jun-06	2200	<50	<50	<50	4.5	47
20-Jul-06	2140	<50	<50	<50	4.7	51
8-Nov-06	2160	1.5	<1	<1	4.6	49
28-Feb-07	1800	1.1	<1	<1	5	47
27-Jun-07	2600	1.5	<1	<1	5.1	45
14-Aug-07	2300	1.4	<1	<1	4.7	44
10-Oct-07	1900	1.2	<1	<1	4.7	45
26-Mar-08	2200	1.3	<1	<1	4.2	43
25-Jun-08	1800	1.3	<1	<1	4.8	43
10-Sep-08	1600	1.4	<1	<1	4.16	35
15-Oct-08	1900	<2	<2	<2	4.01	40
11-Mar-09	1800	1.2	<1	<1	3.7	35
24-Jun-09	1400	<1	<1	<1	3.8	37
15-Sep-09	1500	1.0	<1	<1	4.1	37

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Dec-09	1300	<1	<1	<1	4.2	37
3-Mar-10	1200	<1	<1	<1	3.8	36
10-Jun-10	1100	<1	<1	<1	3.9	31
18-Aug-10	1500	1.1	<1	<1	3.9	36
13-Oct-10	1100	1.1	<1	<1	4	38
23-Feb-11	1300	ND	ND	ND	3.6	45
1-Jun-11	1200	ND	ND	ND	4	35
18-Aug-11	1200	ND	ND	ND	4.1	37
29-Nov-11	1000	ND	ND	ND	3.8	37
19-Jan-12	1000	ND	ND	ND	3.9	37

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	0					
15-Mar-00	21.8					
2-Sep-00	102					
29-Nov-00	107				ND	
26-Mar-01	116				ND	
20-Jun-01	180				ND	
20-Sep-01	180				0.35	
7-Nov-01	180				ND	
26-Mar-02	190				0.62	
22-May-02	210				0.77	
12-Sep-02	300				ND	
24-Nov-02	450				ND	
28-Mar-03	320				0.8	
23-Jun-03	420				ND	
12-Sep-03	66.0				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24.0				0.65	
22-Jun-04	110				0.52	
17-Sep-04	120				ND	
17-Nov-04	120				ND	
16-Mar-05	10.0				ND	
25-May-05	<1	NA	NA	NA	0.2	NA
31-Aug-05	1.1	<1	1.7	<1	<0.1	NA
30-Nov-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	1.3	<1	2.1	<1	0.3	39
14-Jun-06	1.0	<1	1.8	<1	<0.1	37
20-Jul-06	<1	<1	<1	<1	0.1	39
8-Nov-06	<1	<1	<1	<1	<0.1	40
28-Feb-07	2.5	<1	<1	<1	0.7	39
27-Jun-07	2.5	<1	<1	<1	0.2	42
15-Aug-07	1.5	<1	<1	<1	<0.1	42
10-Oct-07	3.5	<1	<1	<1	0.5	43
26-Mar-08	<1	<1	<1	<1	0.1	46
25-Jun-08	<1	<1	<1	<1	<0.05	45
10-Sep-08	<1	<1	<1	<1	<0.05	39
15-Oct-08	<1	<1	<1	<1	<0.05	44
4-Mar-09	<1	<1	<1	<1	<0.1	42
24-Jun-09	<1	<1	<1	<1	<0.1	44
15-Sep-09	<1	<1	<1	<1	<1	44

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	<0.1	51
24-Feb-10	<1	<1	<1	<1	<0.1	57
9-Jun-10	<1	<1	<1	<1	<0.1	42
11-Aug-10	<1	<1	<1	<1	<0.1	45
5-Oct-10	<1	<1	<1	<1	<0.1	46
16-Feb-11	ND	ND	ND	ND	ND	52
25-May-11	ND	ND	ND	ND	0.1	45
16-Aug-11	ND	ND	ND	ND	0.1	46
7-Dec-11	ND	ND	ND	ND	0.2	45
18-Jan-12	ND	ND	ND	ND	0.3	45

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	4.2					
15-Mar-00	1.9					
2-Sep-00	14.2					
29-Nov-00	39.4				ND	
27-Mar-01	43.6				ND	
20-Jun-01	59.0				0.15	
20-Sep-01	19.0				0.4	
7-Nov-01	49.0				0.1	
26-Mar-02	41.0				0.5	
22-May-02	38.0				0.65	
12-Sep-02	49.0				0.2	
24-Nov-02	51.0				0.6	
28-Mar-03	34.0				0.6	
23-Jun-03	33.0				0.8	
12-Sep-03	32.0				1.1	
8-Nov-03	46.0				1.1	
29-Mar-04	48.0				0.82	
22-Jun-04	48.0				0.75	
17-Sep-04	39.0				0.81	
17-Nov-04	26.0				1.2	
16-Mar-05	3.8				1.3	
25-May-05	1.2	NA	NA	NA	1.3	NA
31-Aug-05	<1	<1	2.9	<1	1.3	NA
1-Dec-05	<1	<1	<1	<1	1.3	NA
9-Mar-06	<1	<1	2.6	<1	1.5	38
14-Jun-06	<1	<1	2.7	<1	1.5	39
20-Jul-06	<1	<1	<1	<1	0.9	41
8-Nov-06	<1	<1	<1	<1	0.7	44
28-Feb-07	<1	<1	<1	<1	0.6	44
27-Jun-07	21	<1	<1	<1	1.3	42
15-Aug-07	9.5	<1	<1	<1	1.8	38
10-Oct-07	8.7	<1	<1	<1	2	40
26-Mar-08	1.3	<1	<1	<1	2.1	35
25-Jun-08	1.0	<1	<1	<1	2.3	35
10-Sep-08	<1	<1	<1	<1	2.79	28
15-Oct-08	<1	<1	<1	<1	1.99	58
4-Mar-09	<1	<1	<1	<1	2.5	30
24-Jun-09	<1	<1	<1	<1	2.3	30
15-Sep-09	<1	<1	<1	<1	2.5	30

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Dec-09	<1	<1	<1	<1	1.7	37
23-Feb-10	<1	<1	<1	<1	1.7	47
9-Jun-10	<1	<1	<1	<1	1.5	33
11-Aug-10	<1	<1	<1	<1	1.2	40
6-Oct-10	<1	<1	<1	<1	1.8	34
17-Feb-11	ND	ND	ND	ND	1.3	41
25-May-11	ND	ND	ND	ND	3.4	38
16-Aug-11	ND	ND	ND	ND	4	21
7-Dec-11	ND	ND	ND	ND	2.3	38
18-Jan-12	ND	ND	ND	ND	2.3	28

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	14					
26-Mar-02	16				0.14	
21-May-02	17				0.11	
12-Sep-02	6				ND	
24-Nov-02	14				ND	
28-Mar-03	29				0.2	
23-Jun-03	110				0.4	
12-Sep-03	74				0.4	
8-Nov-03	75				0.3	
29-Mar-04	22				0.1	
22-Jun-04	32				ND	
17-Sep-04	63				0.46	
17-Nov-04	120				0.4	
16-Mar-05	140				1.6	
25-May-05	62.4	NA	NA	NA	0.8	NA
31-Aug-05	110	<2.5	6.2	<2.5	1.1	NA
1-Dec-05	300	<2.5	<2.5	<2.5	3.3	NA
9-Mar-06	190	<5	<50	<50	2.4	50
14-Jun-06	300	<5	<50	<50	3.5	54
20-Jul-06	504	<5	<50	<50	6.8	61
8-Nov-06	452	<1	1.6	1	5.7	58
28-Feb-07	500	<1	<1	1	7.6	62
27-Jun-07	350	<1	<1	1	5.1	54
15-Aug-07	660	<1	<1	1	7.3	59
10-Oct-07	470	<1	<1	1	6.7	59
26-Mar-08	620	<1	<1	1	7.3	55
25-Jun-08	720	<1	<1	1	9.91	58
10-Sep-08	680	<1	<1	1	9.23	51
15-Oct-08	1200	<2	<2	2	10.5	61
11-Mar-09	1100	<1	<1	1	11.6	64
24-Jun-09	1200	<1	<1	1	9.8	62
15-Sep-09	910	<1	<1	1	8.1	51
22-Dec-09	300	<1	<1	<1	3.5	51
3-Mar-10	460	<1	<1	<1	5	49
10-Jun-10	220	<1	<1	<1	1.6	42
12-Aug-10	100	<1	<1	<1	0.8	38
13-Oct-10	1100	<1	<1	<1	11	52
23-Feb-11	620	ND	ND	ND	9	62
1-Jun-11	280	ND	ND	ND	3.3	42

17-Aug-11	180	ND	ND	ND	1.9	41
16-Nov-11	110	ND	ND	ND	1.1	45
19-Jan-12	76	ND	ND	ND	0.9	40

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	4700					
26-Mar-02	4900				9.6	
22-May-02	5200				9.07	
12-Sep-02	6200				8.84	
24-Nov-02	5800				9.7	
28-Mar-03	5100				9.7	
23-Jun-03	5700				9.4	
12-Sep-03	4600				9.9	
8-Nov-03	5200				9.3	
29-Mar-04	5300				9.07	
22-Jun-04	5700				8.74	
17-Sep-04	4800				8.75	
17-Nov-04	5800				9.7	
16-Mar-05	4400				8.7	
25-May-05	3590	NA	NA	NA	10.3	NA
31-Aug-05	4400	<10	<10	<10	9.4	NA
1-Dec-05	4400	<100	<100	<100	9.4	NA
9-Mar-06	4400	<50	<50	<50	9.2	56
14-Jun-06	4300	<50	<50	<50	10	56
20-Jul-06	4080	<50	<50	<50	10	55
8-Nov-06	3660	1.7	2.7	1.3	10	55
28-Feb-07	3500	1.3	<1	1.6	10.1	54
27-Jun-07	3800	1.6	<1	1.1	10.6	53
15-Aug-07	4500	1.7	<1	1.1	10.2	53
10-Oct-07	4400	1.6	<1	1.2	9.8	53
26-Mar-08	340	<1	<1	<1	7.7	63
25-Jun-08	640	<1	<1	<1	7.28	46
10-Sep-08	900	<1	<1	<1	7.93	42
15-Oct-08	1000	<2	<2	<2	9.46	47
11-Mar-09	1100	<1	<1	<1	7.3	49
24-Jun-09	980	<1	<1	<1	6.8	44
15-Sep-09	1000	<1	<1	<1	7	49
29-Dec-09	860	<1	<1	<1	6.6	46
3-Mar-10	820	<1	<1	<1	6.8	42
10-Jun-10	820	<1	<1	<1	6.9	40
12-Aug-10	800	<1	<1	<1	6.7	43
13-Oct-10	720	<1	<1	<1	6.4	49
23-Feb-11	1000	ND	ND	ND	6.5	46
1-Jun-11	930	ND	ND	ND	7.3	49

17-Aug-11	820	ND	ND	ND	7.1	48
16-Nov-11	1500	ND	ND	ND	7.1	46
24-Jan-12	610	ND	ND	ND	6.8	43

TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	2				2.54	
24-Nov-02	0				2.2	
28-Mar-03	0				1.9	
23-Jun-03	0				1.8	
12-Sep-03	0				1.8	
9-Nov-03	0				1.6	
29-Mar-04	0				1.58	
22-Jun-04	0				1.4	
17-Sep-04	0				1.24	
17-Nov-04	0				1.5	
16-Mar-05	0				1.4	
25-May-05	<1	NA	NA	NA	1.6	NA
31-Aug-05	<1	<1	5.8	<1	1.5	NA
1-Dec-05	<1	<1	1.9	<2	1.4	NA
9-Mar-06	<1	<1	2.6	<1	1.3	19
14-Jun-06	<1	<1	1.4	<1	1.4	16
20-Jul-06	<1	<1	<1	<1	1.4	16
8-Nov-06	<1	<1	<1	<1	1.4	16
28-Feb-07	<1	<1	<1	<1	1.5	16
27-Jun-07	<1	<1	<1	<1	1.5	18
15-Aug-07	<1	<1	<1	<1	1.4	29
10-Oct-07	<1	<1	<1	<1	1.4	16
26-Mar-08	<1	<1	<1	<1	1.6	16
25-Jun-08	<1	<1	<1	<1	2.69	19
10-Sep-08	<1	<1	<1	<1	2.65	18
15-Oct-08	<1	<1	<1	<1	2.47	22
4-Mar-09	<1	<1	<1	<1	2.4	23
24-Jun-09	<1	<1	<1	<1	3.8	22
15-Sep-09	<1	<1	<1	<1	5.1	22
16-Dec-09	<1	<1	<1	<1	3.6	23
23-Feb-10	<1	<1	<1	<1	4	22
8-Jun-10	<1	<1	<1	<1	11	29
10-Aug-10	<1	<1	<1	<1	9	35
5-Oct-10	<1	<1	<1	<1	8	31
15-Feb-11	ND	ND	ND	ND	6.5	31
25-May-11	ND	ND	ND	ND	7	32
16-Aug-11	ND	ND	ND	ND	6.8	31
15-Nov-11	ND	ND	ND	ND	8	30
17-Jan-12	ND	ND	ND	ND	7.7	28

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloroethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	ND				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				0.2	
23-Jun-03	ND				0.2	
12-Sep-03	ND				ND	
9-Nov-03	ND				0.9	
29-Mar-04	ND				0.12	
22-Jun-04	ND				0.17	
17-Sep-04	ND				4.43	
17-Nov-04	ND				4.7	
16-Mar-05	ND				4.2	
25-May-05	<1	NA	NA	NA	4.3	NA
31-Aug-05	<1	<1	3.1	<1	4.6	NA
1-Dec-05	<1	<1	<1	<1	4.3	NA
9-Mar-06	<1	<1	1.7	<1	4.2	67
14-Jun-06	<1	<1	1.4	<1	4.9	66
20-Jul-06	<1	<1	<1	<1	4.3	65
8-Nov-06	<1	<1	<1	<1	0.8	33
28-Feb-07	<1	<1	<1	<1	4	59
27-Jun-07	<1	<1	<1	<1	4.6	59
15-Aug-07	<1	<1	<1	<1	4.4	58
10-Oct-07	<1	<1	<1	<1	4.1	58
26-Mar-08	<1	<1	<1	<1	3.8	54
25-Jun-08	<1	<1	<1	<1	4.24	58
10-Sep-08	<1	<1	<1	<1	4.26	50
15-Oct-08	<1	<1	<1	<1	4.63	58
4-Mar-09	<1	<1	<1	<1	3.7	58
24-Jun-09	<1	<1	<1	<1	1.2	57
15-Sep-09	<1	<1	<1	<1	4.7	63
16-Dec-09	<1	<1	<1	<1	4.1	60
24-Feb-10	<1	<1	<1	<1	4.3	53
8-Jun-10	<1	<1	<1	<1	5.2	52
10-Aug-10	<1	<1	<1	<1	5.6	55
5-Oct-10	<1	<1	<1	<1	5.8	55
15-Feb-11	ND	ND	ND	ND	5.5	60
25-May-11	ND	ND	ND	ND	5.4	56
16-Aug-11	ND	ND	ND	ND	5.2	60
15-Nov-11	ND	ND	ND	ND	5.9	54
17-Jan-12	ND	ND	ND	ND	5.5	55

TW4-14	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Nov-06	<1	<1	<1	<1	2.4	37
28-Feb-07	<1	<1	<1	<1	2.3	38
27-Jun-07	<1	<1	<1	<1	1.4	38
15-Aug-07	<1	<1	<1	<1	1.1	36
10-Oct-07	<1	<1	<1	<1	0.8	36
26-Mar-08	<1	<1	<1	<1	0.04	57
25-Jun-08	<1	<1	<1	<1	1.56	35
10-Sep-08	<1	<1	<1	<1	1.34	34
15-Oct-08	<1	<1	<1	<1	0.76	40
4-Mar-09	<1	<1	<1	<1	1.6	35
24-Jun-09	<1	<1	<1	<1	1.4	36
15-Sep-09	<1	<1	<1	<1	1.5	38
16-Dec-09	<1	<1	<1	<1	1.4	34
3-Mar-10	<1	<1	<1	<1	2.5	33
8-Jun-10	<1	<1	<1	<1	2.9	49
10-Aug-10	<1	<1	<1	<1	2.8	35
6-Oct-10	<1	<1	<1	<1	2.9	29
15-Feb-11	ND	ND	ND	ND	1.8	25
16-Aug-11	ND	ND	ND	ND	2.6	33
15-Nov-11	ND	ND	ND	ND	1.7	15
17-Jan-12	ND	ND	ND	ND	1.9	20

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	3				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	7800				14.5	
15-Aug-03	7400				16.8	
12-Sep-03	2500				2.7	
25-Sep-03	2600				2.5	
29-Oct-03	3100				3.1	
8-Nov-03	3000				2.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	1400				0.53	
17-Nov-04	300				0.2	
16-Mar-05	310				0.3	
30-Mar-05	230				0.2	
25-May-05	442	NA	NA	NA	0.2	NA
31-Aug-05	960	<5	5.4	<5	0.2	NA
1-Dec-05	1000	<50	<50	<50	0.3	NA
9-Mar-06	1100	<50	<50	<50	0.2	52
14-Jun-06	830	<50	<50	<50	0.2	52
20-Jul-06	2170	<50	<50	<50	1.4	65
8-Nov-06	282	<1	<1	2.8	0.3	54
28-Feb-07	570	<1	<1	5.5	0.5	56
27-Jun-07	300	<1	<1	13	0.4	49
15-Aug-07	1400	<1	<1	36	1	57
10-Oct-07	2000	<1	<1	14	0.6	57
26-Mar-08	930	<1	<1	40	0.1	49
25-Jun-08	1300	<1	<1	53	0.56	57
10-Sep-08	630	<1	<1	24	0.24	44
15-Oct-08	1700	<1	<1	100	0.65	64
4-Mar-09	950	<1	<1	51	0.4	49
24-Jun-09	410	<1	<1	12	0.2	48
15-Sep-09	850	<1	<1	30	0.1	46
14-Dec-09	1100	<1	<1	40	2.3	60
17-Feb-10	780	<1	<1	19	0.2	57
9-Jun-10	1900	<1	<1	28	1.1	58
16-Aug-10	2200	<1	<1	21	0.6	49
11-Oct-10	970	<1	<1	6.5	0.7	65
23-Feb-11	450	ND	ND	3.6	0.5	57

31-May-11	1800	ND	ND	1.3	0.4	88
17-Aug-11	720	ND	ND	7.2	0.9	58
5-Dec-11	1800	ND	ND	2.9	2	69
7-Feb-12	2400	ND	ND	16	1.7	98

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	140				ND	
24-Nov-02	200				ND	
28-Mar-03	260				ND	
23-Jun-03	370				ND	
12-Sep-03	350				ND	
8-Nov-03	400				ND	
29-Mar-04	430				ND	
22-Jun-04	530				ND	
17-Sep-04	400				ND	
17-Nov-04	350				ND	
16-Mar-05	240				ND	
25-May-05	212	NA	NA	NA	<0.1	NA
31-Aug-05	85	<1	3.2	43	<0.1	NA
1-Dec-05	14	<2.5	2.6	5.9	1.4	NA
9-Mar-06	39.0	<1	1.1	21	3	60
14-Jun-06	13.0	<1	2.4	8.9	1.9	55
20-Jul-06	5.2	<1	<1	2.7	2.7	60
8-Nov-06	13.6	<1	<1	9.2	5.6	62
28-Feb-07	8.7	<1	<1	6.5	12.3	79
27-Jun-07	2.6	<1	<1	1.8	9.9	75
15-Aug-07	7.1	<1	<1	5.1	5.4	66
10-Oct-07	1.4	<1	<1	<1	4.4	69
26-Mar-08	11.0	<1	<1	26	ND	52
25-Jun-08	<1	<1	<1	<1	1.46	58
10-Sep-08	10	<1	<1	14	10.5	71
15-Oct-08	3.9	<1	<1	6.6	9.82	89
4-Mar-09	<1	<1	<1	<1	9.6	78
24-Jun-09	<1	<1	<1	<1	8.9	76
15-Sep-09	<1	<1	<1	<1	8.8	79
17-Dec-09	<1	<1	<1	<1	5.2	76
24-Feb-10	<1	<1	<1	<1	4.2	77
9-Jun-10	2.1	<1	<1	<1	4.7	64
24-Aug-10	4.3	<1	<1	<1	4.6	72
6-Oct-10	3.0	<1	<1	<1	3.3	72
22-Feb-11	15.0	ND	ND	ND	7	86
26-May-11	16.0	ND	ND	ND	5	81
17-Aug-11	9.2	ND	ND	ND	1.7	63
16-Nov-11	ND	ND	ND	1.4	0.4	38
18-Jan-12	ND	ND	ND	1.7	0.1	48

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	1.6				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				ND	
23-Jun-03	ND				ND	
12-Sep-03	ND				ND	
8-Nov-03	ND				ND	
29-Mar-04	ND				ND	
22-Jun-04	ND				ND	
17-Sep-04	ND				ND	
17-Nov-04	ND				ND	
16-Mar-05	ND				ND	
30-Mar-05	ND				ND	
25-May-05	<1	NA	NA	NA	<0.1	NA
31-Aug-05	<1	<1	3.2	<1	<0.1	NA
1-Dec-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	<1	<1	<1	<1	<0.1	32
14-Jun-06	<1	<1	3.5	<1	<0.1	30
20-Jul-06	<1	<1	1.8	<1	<0.1	32
8-Nov-06	<1	<1	1.5	<1	<0.1	31
28-Feb-07	<1	<1	<1	<1	<0.1	32
27-Jun-07	<1	<1	<1	<1	<0.1	32
15-Aug-07	<1	<1	<1	<1	<0.1	31
10-Oct-07	<1	<1	<1	<1	<0.1	32
26-Mar-08	<1	<1	<1	<1	<0.1	31
25-Jun-08	<1	<1	<1	<1	<0.05	29
10-Sep-08	<1	<1	<1	<1	<0.05	30
15-Oct-08	<1	<1	<1	<1	<0.05	26
4-Mar-09	<1	<1	<1	<1	<0.1	30
24-Jun-09	<1	<1	<1	<1	<0.1	31
15-Sep-09	<1	<1	<1	<1	<0.1	33
16-Dec-09	<1	<1	<1	<1	<0.1	34
17-Feb-10	<1	<1	<1	<1	<0.1	38
14-Jun-10	<1	<1	<1	<1	<0.1	32
16-Aug-10	<1	<1	<1	<1	<0.1	28
6-Oct-10	<1	<1	<1	<1	<0.1	24
23-Feb-11	ND	ND	ND	ND	ND	40
25-May-11	ND	ND	ND	ND	ND	31
16-Aug-11	ND	ND	ND	ND	ND	33
6-Dec-11	ND	ND	ND	ND	ND	32

18-Jan-12	ND	ND	ND	ND	ND	21
-----------	----	----	----	----	----	----

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	440				1.49	
24-Nov-02	240				13.3	
28-Mar-03	160				13.1	
23-Jun-03	110				19	
12-Sep-03	68.0				19.9	
9-Nov-03	84.0				20.7	
29-Mar-04	90.0				14	
22-Jun-04	82.0				12.2	
17-Sep-04	38.0				14.5	
17-Nov-04	51.0				17.3	
16-Mar-05	38.0				14.1	
25-May-05	29.8	NA	NA	NA	12.9	NA
31-Aug-05	39	<1	2.8	<1	13.3	NA
1-Dec-05	14	<1	1.1	<1	7.3	NA
9-Mar-06	12.0	<1	1.1	<1	5.9	5.9
14-Jun-06	12.0	<1	1.6	<1	4.7	35
20-Jul-06	10.8	<1	2.7	<1	6.1	35
8-Nov-06	139	<1	<1	<1	8.7	34
28-Feb-07	9.2	<1	<1	<1	5.1	30
27-Jun-07	8.0	<1	<1	<1	4.9	28
15-Aug-07	8.9	<1	<1	<1	5	32
10-Oct-07	7.4	<1	<1	<1	4.4	27
26-Mar-08	6.4	<1	<1	<1	0.7	23
25-Jun-08	5.7	<1	<1	<1	4.55	23
10-Sep-08	8.0	<1	<1	<1	4.68	26
15-Oct-08	9.4	<1	<1	<1	5,15	30
4-Mar-09	11.0	<1	<1	<1	5.2	29
24-Jun-09	16.0	<1	<1	<1	6.2	30
15-Sep-09	13.0	<1	<1	<1	5.9	26
22-Dec-09	8.2	<1	<1	<1	5.4	30
24-Feb-10	69.0	<1	<1	<1	5.1	41
9-Jun-10	29.0	<1	<1	<1	9	35
12-Aug-10	29.0	<1	<1	<1	9	37
13-Oct-10	30.0	<1	<1	<1	10	50
22-Feb-11	39.0	ND	ND	ND	10	52
26-May-11	26.0	ND	ND	ND	9	36
17-Aug-11	29.0	ND	ND	ND	4.6	23
7-Dec-11	28.0	ND	ND	ND	6.3	23
19-Jan-12	25.0	ND	ND	ND	4.4	18

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	7700				47.6	
24-Nov-02	5400				42	
28-Mar-03	4200				61.4	
15-May-03	4700				NA	
23-Jun-03	4500				11.4	
15-Jul-03	2400				6.8	
15-Aug-03	2600				4	
12-Sep-03	2500				5.7	
25-Sep-03	4600				9.2	
29-Oct-03	4600				7.7	
9-Nov-03	2600				4.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
16-Aug-04	7100				9.91	
17-Sep-04	2600				4.5	
17-Nov-04	1800				3.6	
16-Mar-05	2200				5.3	
25-May-05	1200				5.7	
31-Aug-05	1400	<5	<5	<5	4.6	NA
1-Dec-05	2800	<50	<50	<50	<0.1	NA
9-Mar-06	1200	<50	<50	<50	4	86
14-Jun-06	1100	<50	<50	<50	5.2	116
20-Jul-06	1120	<50	<50	<50	4.3	123
8-Nov-06	1050	1.6	2.6	<1	4.6	134
28-Feb-07	1200	1.3	<1	<1	4	133
27-Jun-07	1800				2.3	
15-Aug-07	1100	1.9	<1	<1	4.1	129
10-Oct-07	1100	1.9	<1	<1	4	132
26-Mar-08	1800	2.9	<1	<1	2.2	131
25-Jun-08	1000	1	<1	<1	2.81	128
10-Sep-08	3600	8.6	<1	<1	36.2	113
15-Oct-08	4200	12	<1	<1	47.8	124
4-Mar-09	1100	1.2	<1	<1	3.2	127
24-Jun-09	990	1.2	<1	<1	2.4	132
15-Sep-09	6600	15	<1	<1	0.1	43
14-Dec-09	4700	16	<1	<1	26.7	124
17-Feb-10	940	1.3	<1	<1	2	144
9-Jun-10	1800	4.2	<1	<1	4.4	132
16-Aug-10	2000	4.9	<1	<1	5.9	142

11-Oct-10	1200	1.3	<1	<1	2.7	146
17-Feb-11	3400	17	ND	ND	17	135
7-Jun-11	4000	8.3	ND	ND	12	148
17-Aug-11	970	2.1	ND	ND	3	148
5-Dec-11	2200	5.4	ND	ND	5	148
23-Jan-12	650	1.5	ND	ND	0.6	138

TW4-20	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	39000	NA	NA	NA	10.1	NA
31-Aug-05	3800	<10	<10	<10	2.9	NA
1-Dec-05	19000	<250	<250	<250	1.8	NA
9-Mar-06	9200	<500	<500	<500	3.8	120
14-Jun-06	61000	<500	<500	<500	9.4	235
20-Jul-06	5300	<1000	<1000	<1000	2.9	134
8-Nov-06	11000	7.1	1.9	2.2	3.5	124
28-Feb-07	4400	3.1	<1	1.1	4.2	124
27-Jun-07	1800	2.2	<1	<1	2.3	112
15-Aug-07	5200	3.5	<1	1.8	2.1	117
10-Oct-07	9000	6.8	<1	1.9	5.6	170
26-Mar-08	13000	9	<1	1.5	0.9	132
25-Jun-08	30000	13	<1	1.2	7.96	191
10-Sep-08	21000	15	<1	3.7	4.44	156
15-Oct-08	NA	NA	NA	NA	5.51	166
4-Mar-09	8200	5.7	<1	5.2	5.1	164
24-Jun-09	6800	4.9	<2	4.2	2.9	164
15-Sep-09	13000	8.4	<2	4.4	3.3	153
14-Dec-09	15000	14	<1	3	5.3	187
17-Feb-10	3500	2.7	<1	3.2	2	179
14-Jun-10	18000	11	<1	3.7	5.6	200
16-Aug-10	15000	12	<1	2.2	5.3	196
11-Oct-10	24000	20	<1	5.5	4.6	203
23-Feb-11	31000	27	ND	19	4.4	220
1-Jun-11	8100	10	ND	2.1	4.8	177
17-Aug-11	6800	7.3	ND	3.1	6.5	207
16-Nov-11	7900	7.2	ND	2.5	4.2	186
23-Jan-12	11000	10	ND	1.3	7.9	207

TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	192	NA	NA	NA	14.6	NA
31-Aug-05	78	<5	<5	<5	10.1	NA
1-Dec-05	86	<1	1.0	<1	9.6	NA
9-Mar-06	120	<2.5	<2.5	<2.5	8.5	347
14-Jun-06	130	<2.5	<2.5	<2.5	10.2	318
20-Jul-06	106	<2.5	<2.5	<2.5	8.9	357
8-Nov-06	139	2	<1	<1	8.7	296
28-Feb-07	160	1.8	<1	<1	8.7	306
27-Jun-07	300	5.8	<1	<1	8.6	327
15-Aug-07	140	<1	<1	<1	8.6	300
10-Oct-07	120	<1	<1	<1	8.3	288
26-Mar-08	380	7	<1	<1	14.3	331
25-Jun-08	160	1.7	<1	<1	8.81	271
10-Sep-08	120	1.6	<1	<1	7.57	244
15-Oct-08	170	2	<1	<2	8.00	284
11-Mar-09	180	<1	<1	<1	8.3	279
24-Jun-09	200	<1	<1	<1	8.1	291
15-Sep-09	140	<1	<1	<1	9.2	281
22-Dec-09	160	<1	<1	<1	8.4	256
25-Feb-10	170	<1	<1	<1	8.4	228
10-Jun-10	210	1.2	<1	<1	12	266
12-Aug-10	390	9.2	<1	<1	14	278
13-Oct-10	200	1.2	<1	<1	7	210
22-Feb-11	230	1.2	ND	ND	9	303
28-Jun-11	290	4.8	ND	ND	12	290
17-Aug-11	460	6.3	ND	ND	14	287
7-Dec-11	390	6.7	ND	ND	13	276
19-Jan-12	420	6.4	ND	ND	15	228

TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	340	NA	NA	NA	18.2	NA
31-Aug-05	290	<5	<5	<5	15.7	NA
1-Dec-05	320	<5	<5	<5	15.1	NA
9-Mar-06	390	<10	<10	<10	15.3	236
14-Jun-06	280	<10	<10	<10	14.3	221
20-Jul-06	864	<10	<10	<10	14.5	221
8-Nov-06	350	<1	1.6	<1	15.9	236
28-Feb-07	440	<1	<1	<1	20.9	347
27-Jun-07	740	<1	<1	<1	19.3	273
15-Aug-07	530	<1	<1	<1	19.3	259
10-Oct-07	440	<1	<1	<1	18.8	238
26-Mar-08	1400	<1	<1	<1	39.1	519
25-Jun-08	1200	<1	<1	<1	41.9	271
10-Sep-08	6300	1.3	<1	<1	38.7	524
15-Oct-08	630	<2	<2	<2	36.3	539
11-Mar-09	390	<1	<1	<1	20.7	177
24-Jun-09	730	<1	<1	<1	20.6	177
15-Sep-09	2300	<1	<1	<1	40.3	391
29-Dec-09	380	<1	<1	<1	17.8	175
3-Mar-10	2200	<1	<1	<1	36.6	427
15-Jun-10	540	<1	<1	<1	19	134
24-Aug-10	340	<1	<1	<1	15	130
13-Oct-10	340	<1	<1	<1	16	134
23-Feb-11	1300	ND	ND	ND	18	114
1-Jun-11	210	ND	ND	ND	17	138
17-Aug-11	450	ND	ND	ND	15	120
7-Dec-11	400	ND	ND	ND	19	174
19-Jan-12	200	ND	ND	ND	14	36

TW4-23	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	<0.1	47
15-Aug-07	<1	<1	<1	<1	<0.1	46
10-Oct-07	<1	<1	<1	<1	<0.1	43
26-Mar-08	<1	<1	<1	<1	<0.1	41
25-Jun-08	<1	<1	<1	<1	<0.05	41
10-Sep-08	<1	<1	<1	<1	<0.05	35
15-Oct-08	<2	<2	<2	<2	<0.05	51
4-Mar-09	<1	<1	<1	<1	<0.1	41
24-Jun-09	<1	<1	<1	<1	<0.1	43
15-Sep-09	<1	<1	<1	<1	<0.1	43
16-Dec-09	<1	<1	<1	<1	<0.1	37
24-Feb-10	<1	<1	<1	<1	<0.1	45
8-Jun-10	<1	<1	<1	<1	<0.1	40
10-Aug-10	<1	<1	<1	<1	<0.1	40
5-Oct-10	<1	<1	<1	<1	<0.1	34
16-Feb-11	ND	ND	ND	ND	ND	44
25-May-11	ND	ND	ND	ND	ND	44
16-Aug-11	ND	ND	ND	ND	ND	41
15-Nov-11	ND	ND	ND	ND	ND	43
17-Jan-12	ND	ND	ND	ND	ND	40

TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	2.6	<1	<1	<1	26.1	770
15-Aug-07	2.2	<1	<1	<1	29	791
10-Oct-07	1.5	<1	<1	<1	24.7	692
26-Mar-08	1.5	<1	<1	<1	24.4	740
25-Jun-08	1.4	<1	<1	<1	45.3	834
10-Sep-08	2.9	<1	<1	<1	38.4	1180
15-Oct-08	<2	<2	<2	<2	44.6	1130
4-Mar-09	1.4	<1	<1	<1	30.5	1010
24-Jun-09	1.5	<1	<1	<1	30.4	759
15-Sep-09	1.4	<1	<1	<1	30.7	618
17-Dec-09	1.2	<1	<1	<1	28.3	1080
25-Feb-10	1.3	<1	<1	<1	33.1	896
9-Jun-10	1.7	<1	<1	<1	30	639
24-Aug-10	1.8	<1	<1	<1	31	587
6-Oct-10	1.4	<1	<1	<1	31	522
17-Feb-11	1.8	ND	ND	ND	31	1100
26-May-11	1.1	ND	ND	ND	35	1110
17-Aug-11	1.7	ND	ND	ND	34	967
7-Dec-11	1.2	ND	ND	ND	35	608
18-Jan-12	ND	ND	ND	ND	37	373

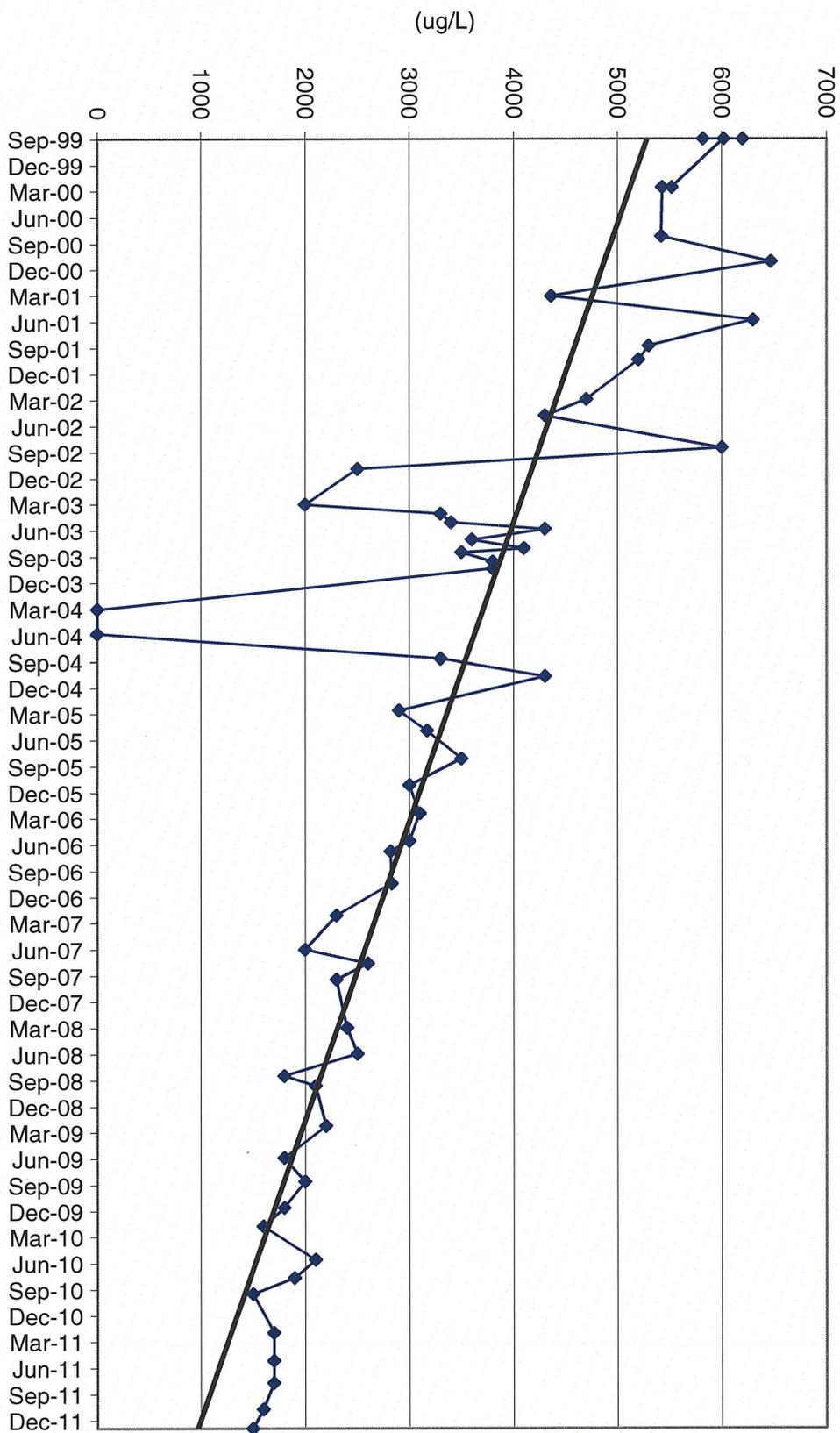
TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	17.1	395
15-Aug-07	<1	<1	<1	<1	16.7	382
10-Oct-07	<1	<1	<1	<1	17	356
26-Mar-08	<1	<1	<1	<1	18.7	374
25-Jun-08	<1	<1	<1	<1	22.1	344
10-Sep-08	<1	<1	<1	<1	18.8	333
15-Oct-08	<2	<2	<2	<2	21.3	366
4-Mar-09	<1	<1	<1	<1	15.3	332
24-Jun-09	<1	<1	<1	<1	15.3	328
15-Sep-09	<1	<1	<1	<1	3.3	328
16-Dec-09	<1	<1	<1	<1	14.2	371
23-Feb-10	<1	<1	<1	<1	14.4	296
8-Jun-10	<1	<1	<1	<1	16	306
10-Aug-10	<1	<1	<1	<1	14	250
5-Oct-10	<1	<1	<1	<1	15	312
16-Feb-11	ND	ND	ND	ND	15	315
25-May-11	ND	ND	ND	ND	16	321
16-Aug-11	ND	ND	ND	ND	16	276
15-Nov-11	ND	ND	ND	ND	16	294
18-Jan-12	ND	ND	ND	ND	16	304

TW4-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Jun-10	13	<1	<1	<1	7.9	33
11-Aug-10	5	<1	<1	<1	9	17
6-Oct-10	5.4	<1	<1	<1	9.6	22
22-Feb-11	2.0	ND	ND	ND	10	30
26-May-11	2.9	ND	ND	ND	10	15
17-Aug-11	2.8	ND	ND	ND	11	19
7-Dec-11	5.2	ND	ND	ND	10	26
18-Jan-12	7.0	ND	ND	ND	11	17

TW4-27	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Jan-12	9	ND	ND	ND	24	11

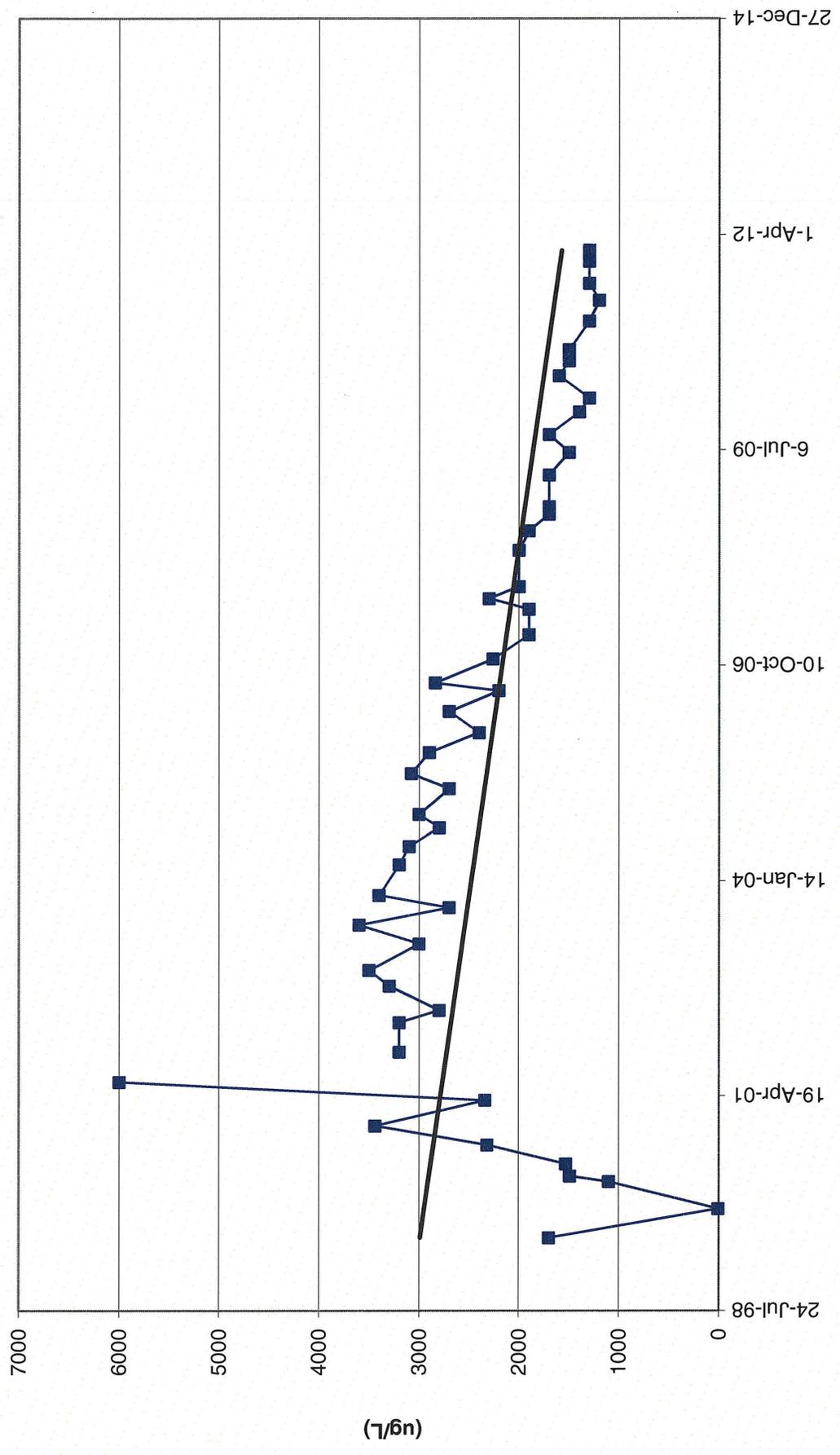
Tab L

Chloroform Concentration Trend Graphs

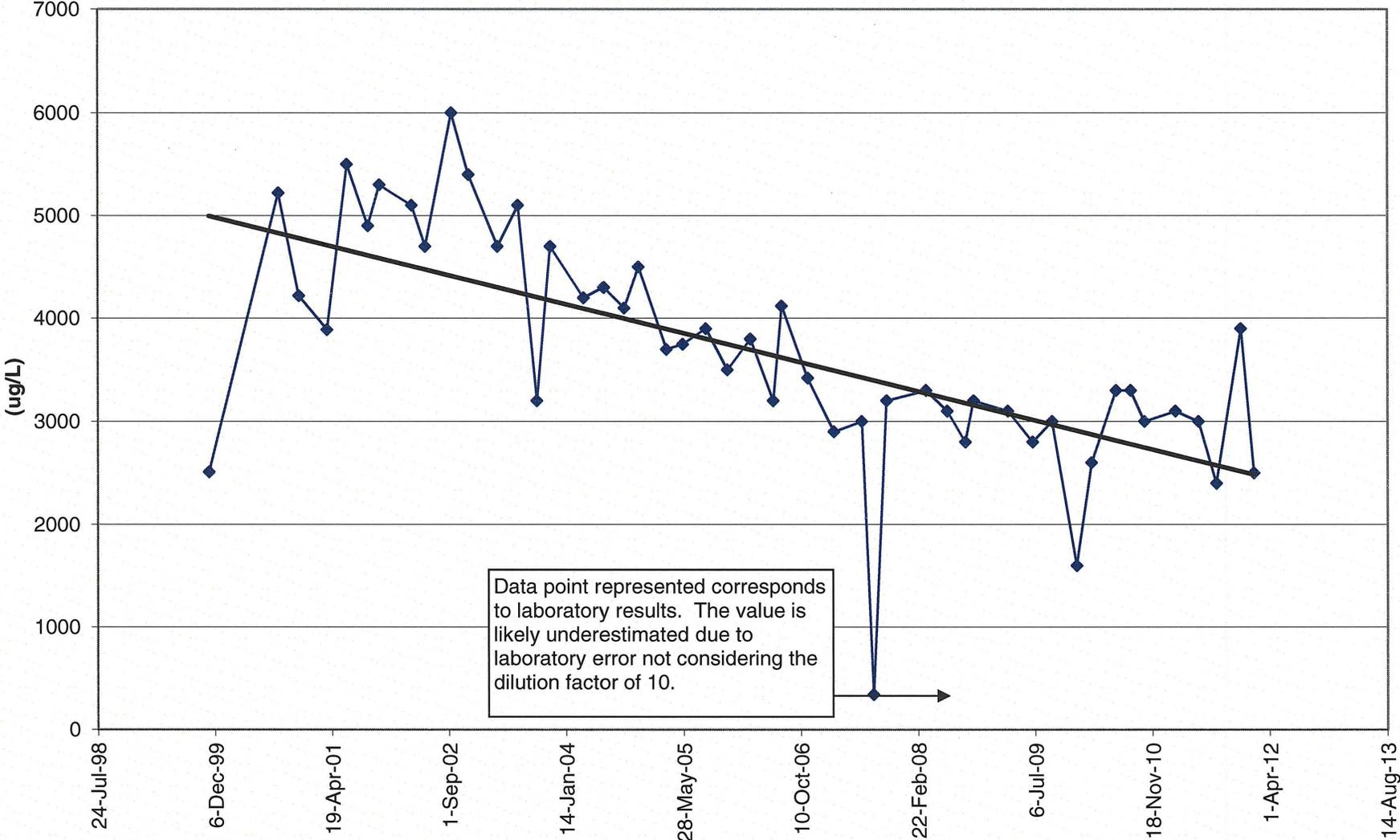


MW4-Chloroform Values

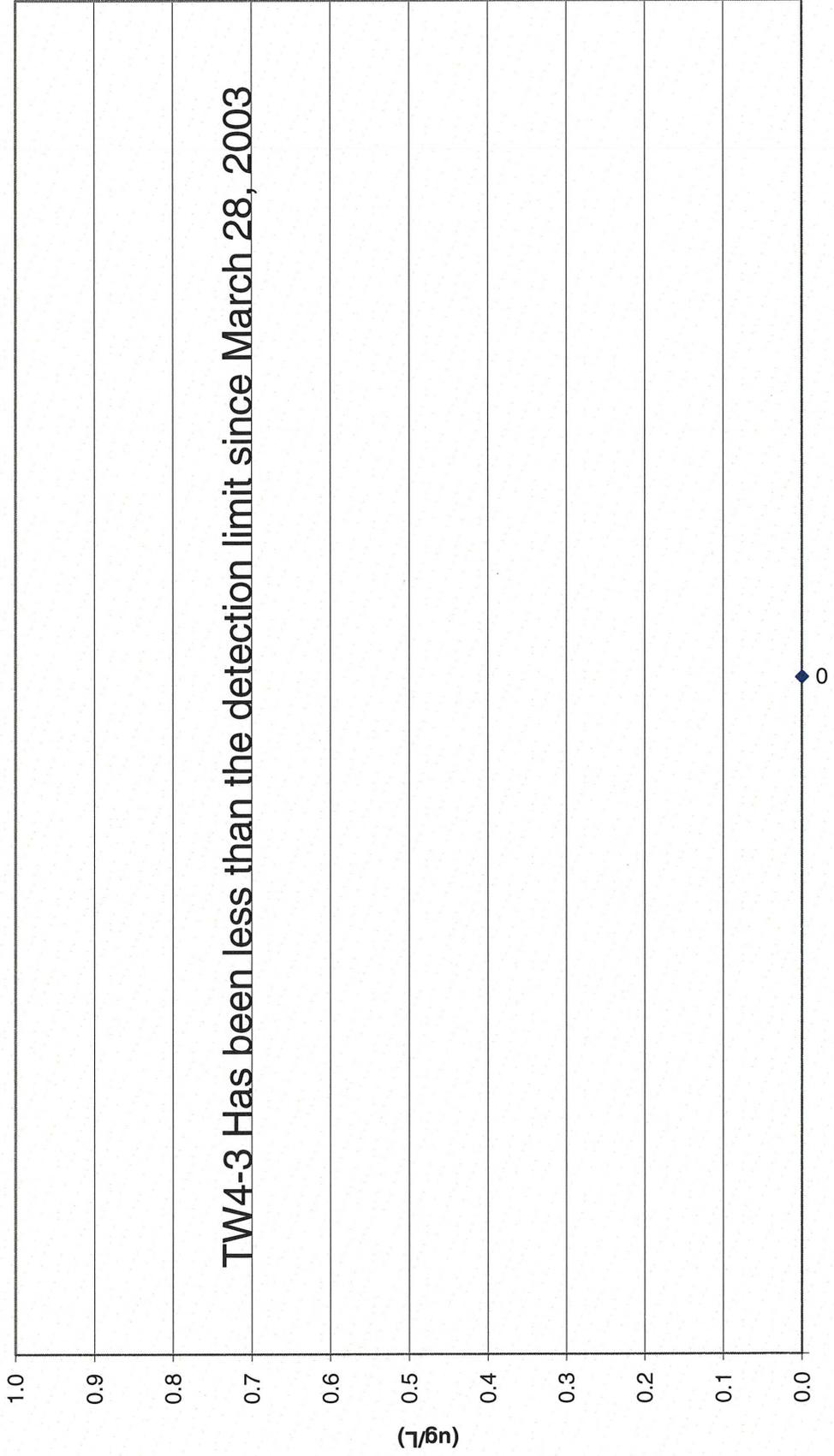
TW4-1 Chloroform Values



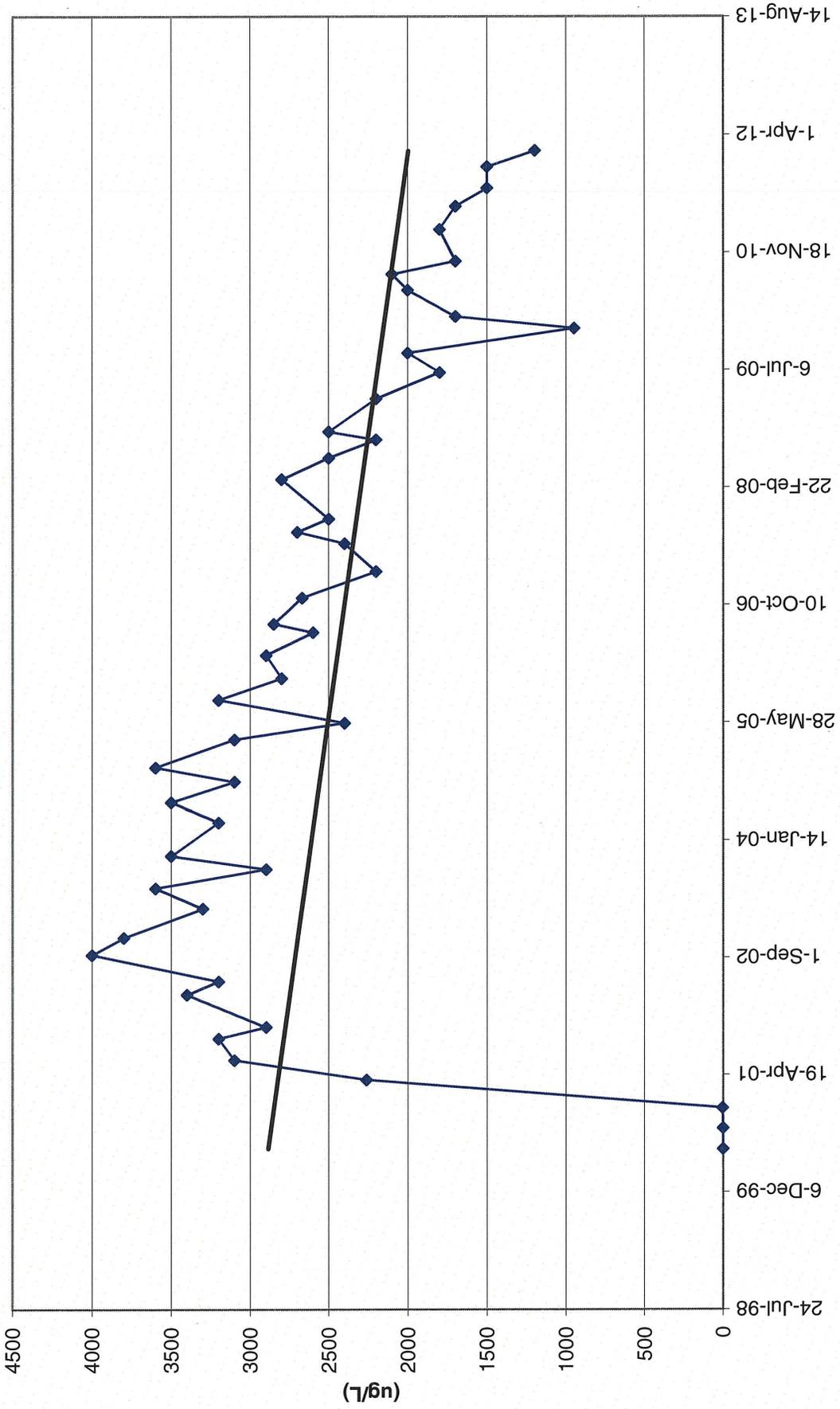
TW4-2 Chloroform Values



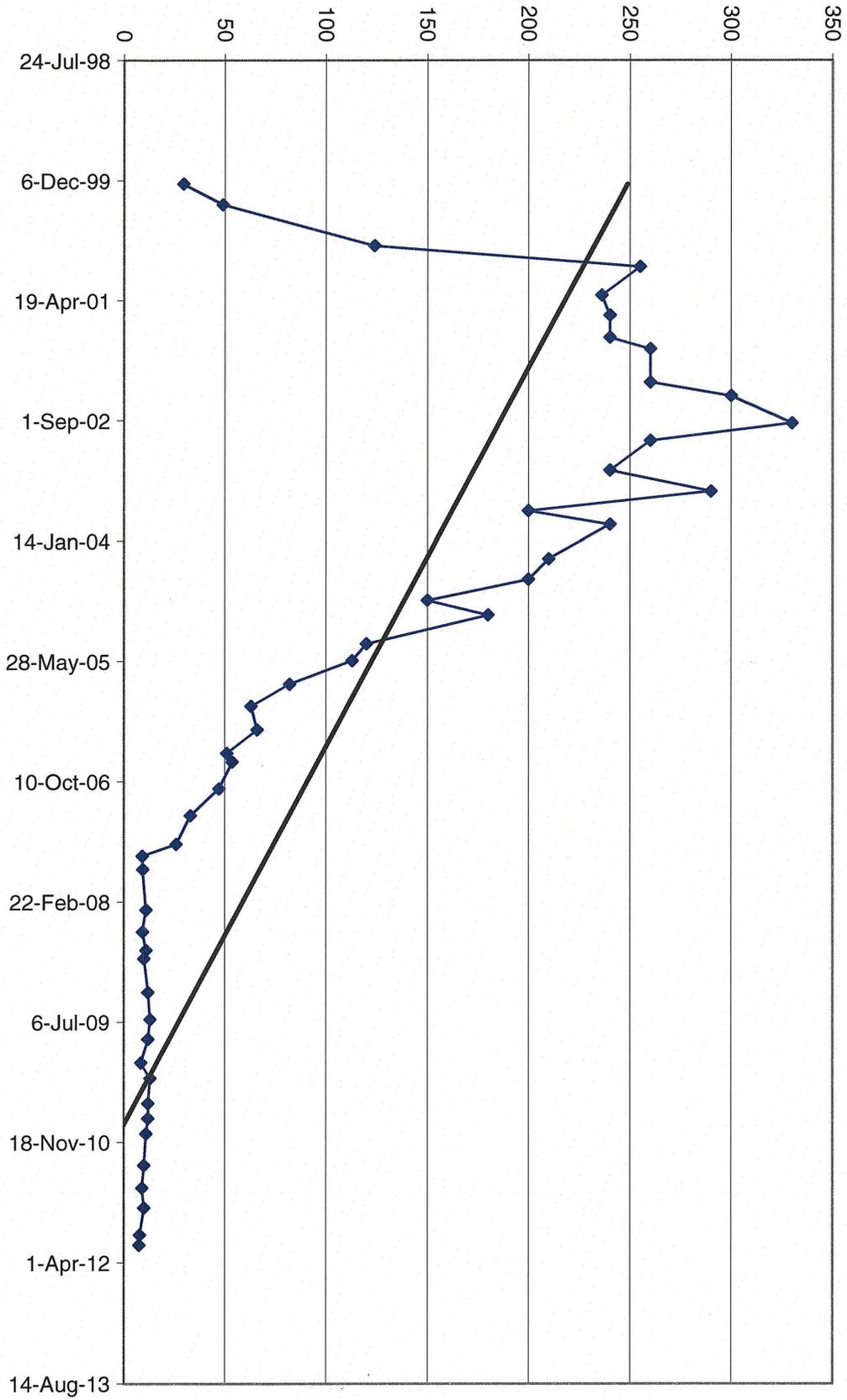
TW-4-3 Chloroform Values



TW4-4 Chloroform Values

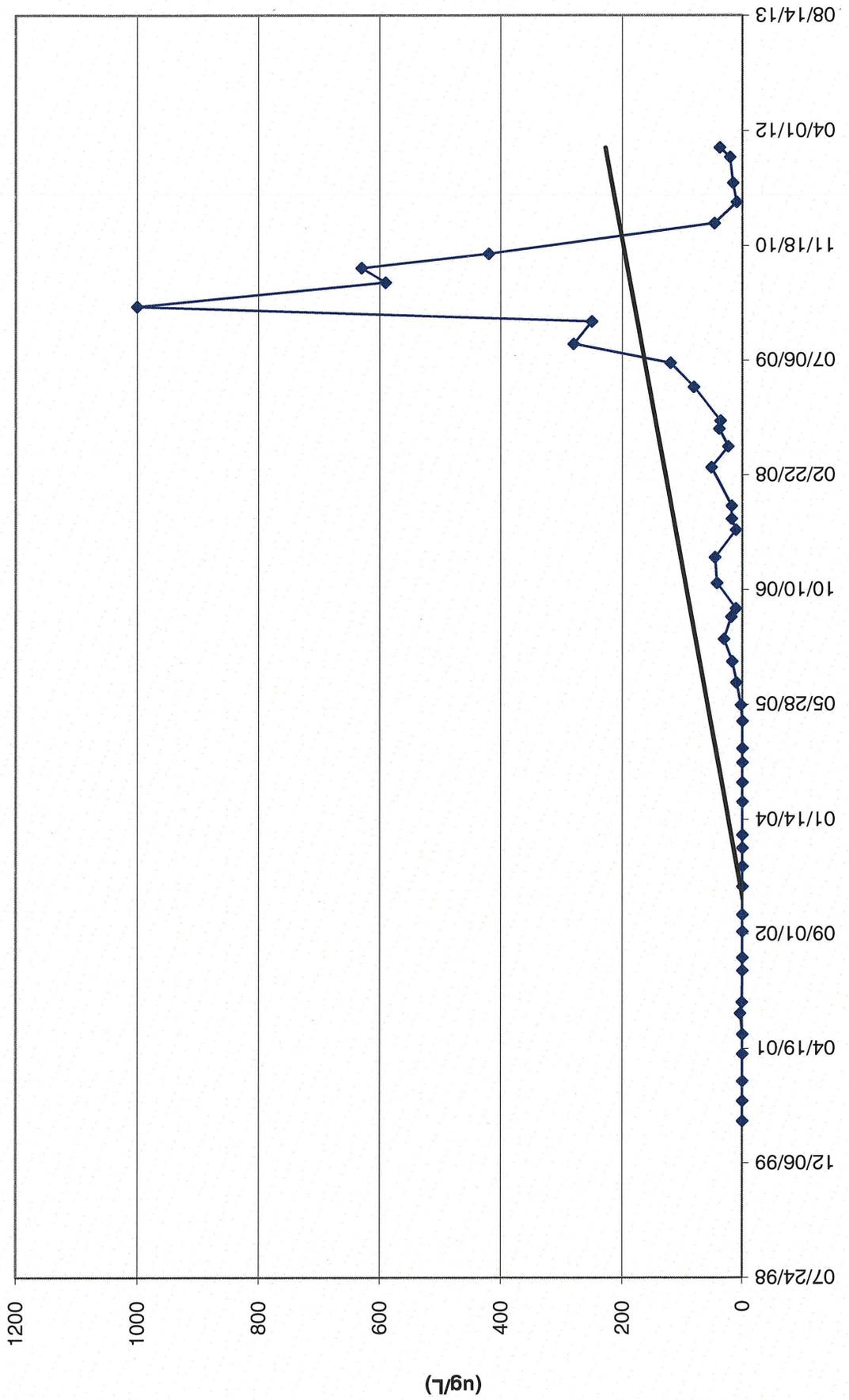


(ug/L)

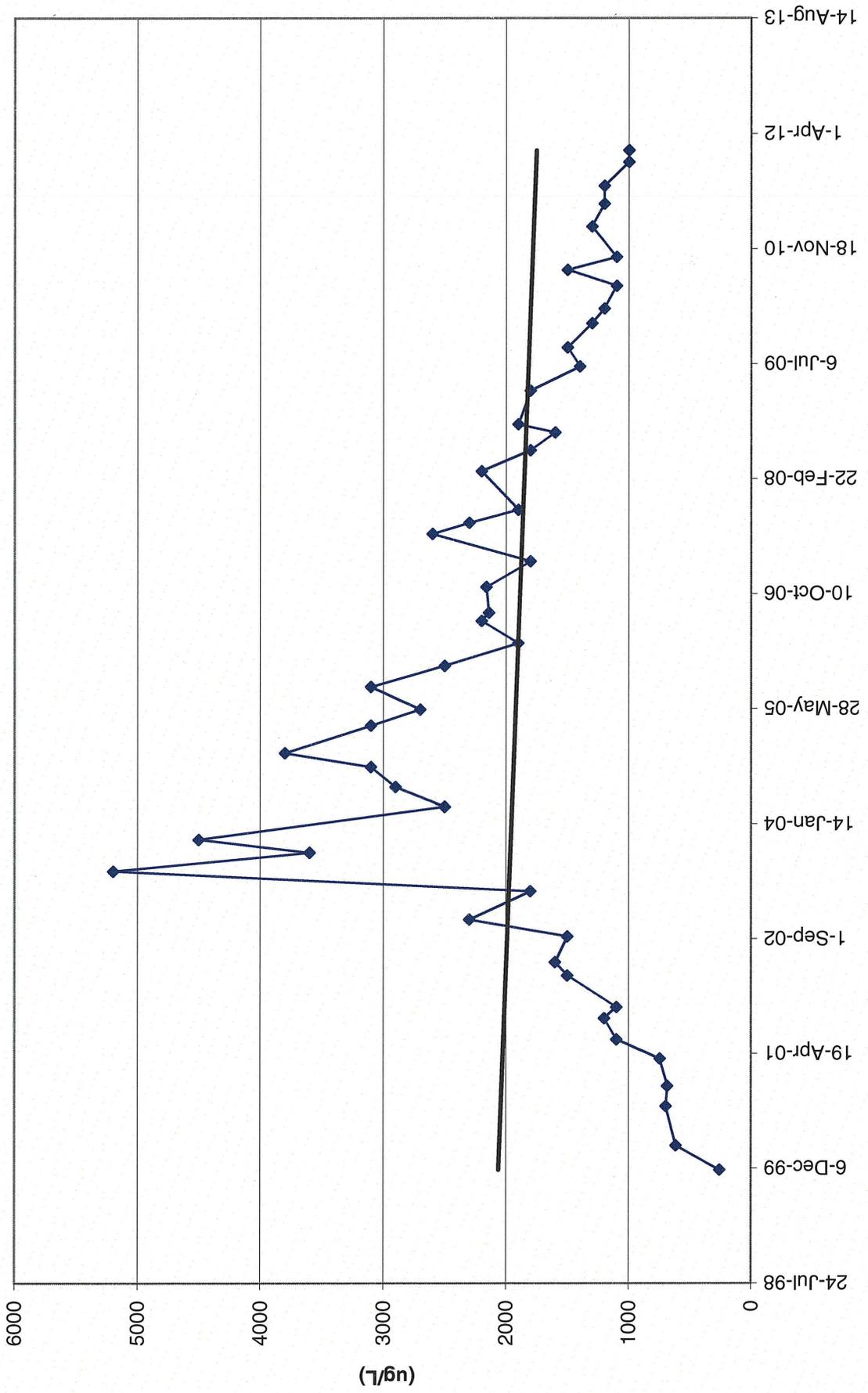


TW4-5 Chloroform Values

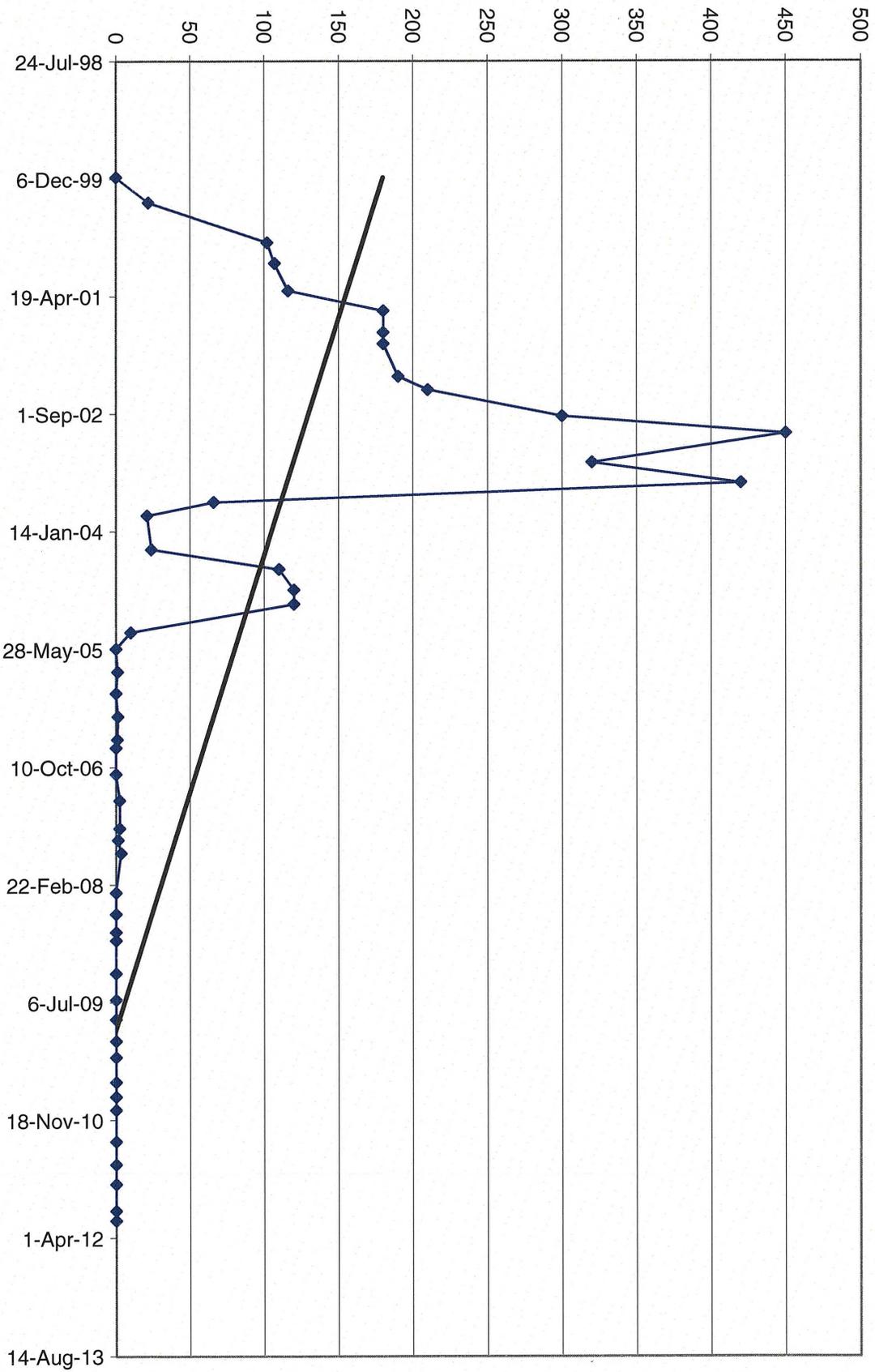
TW4-6 Chloroform Values



TW4-7 Chloroform Values

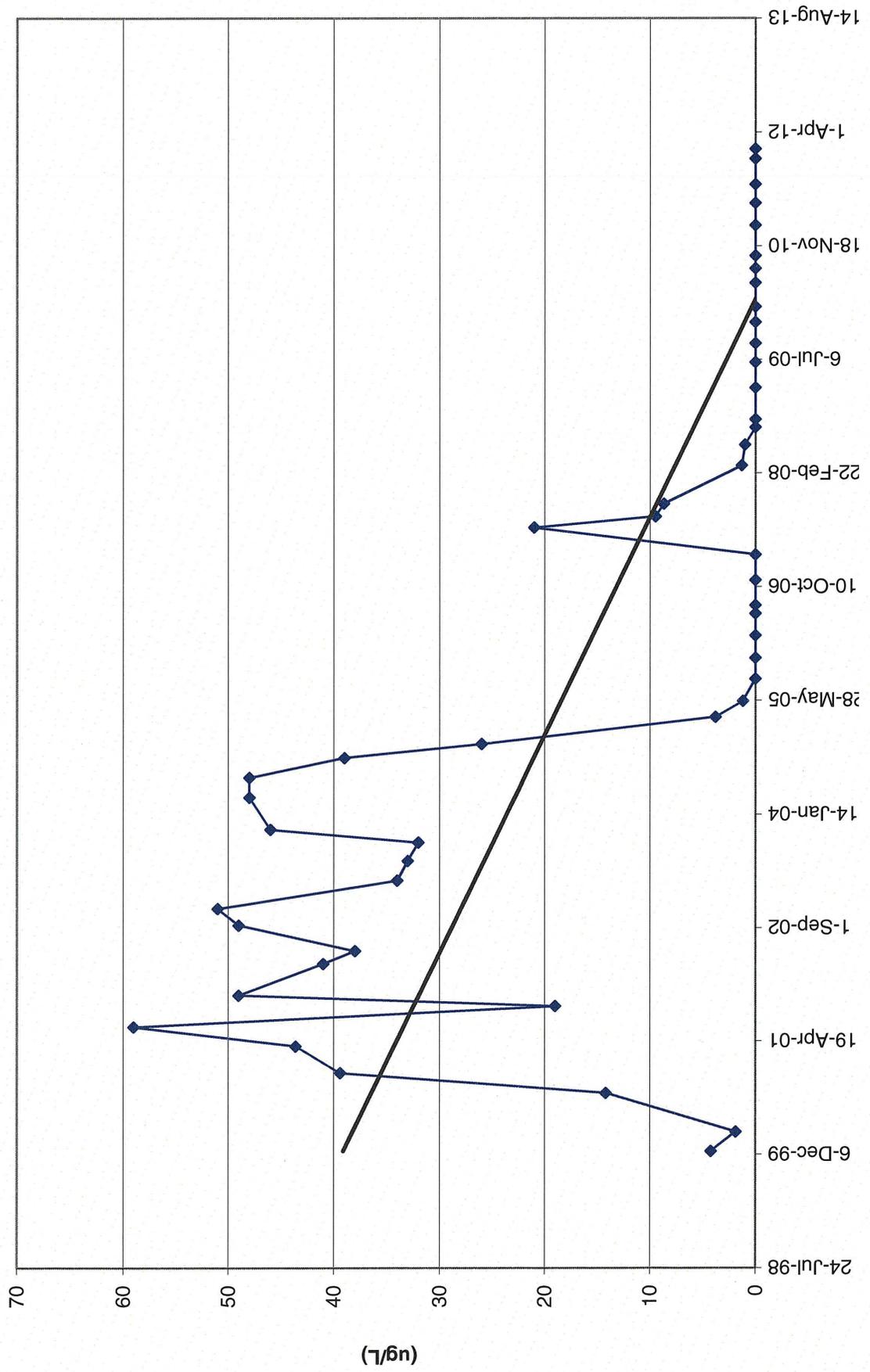


(ug/L)

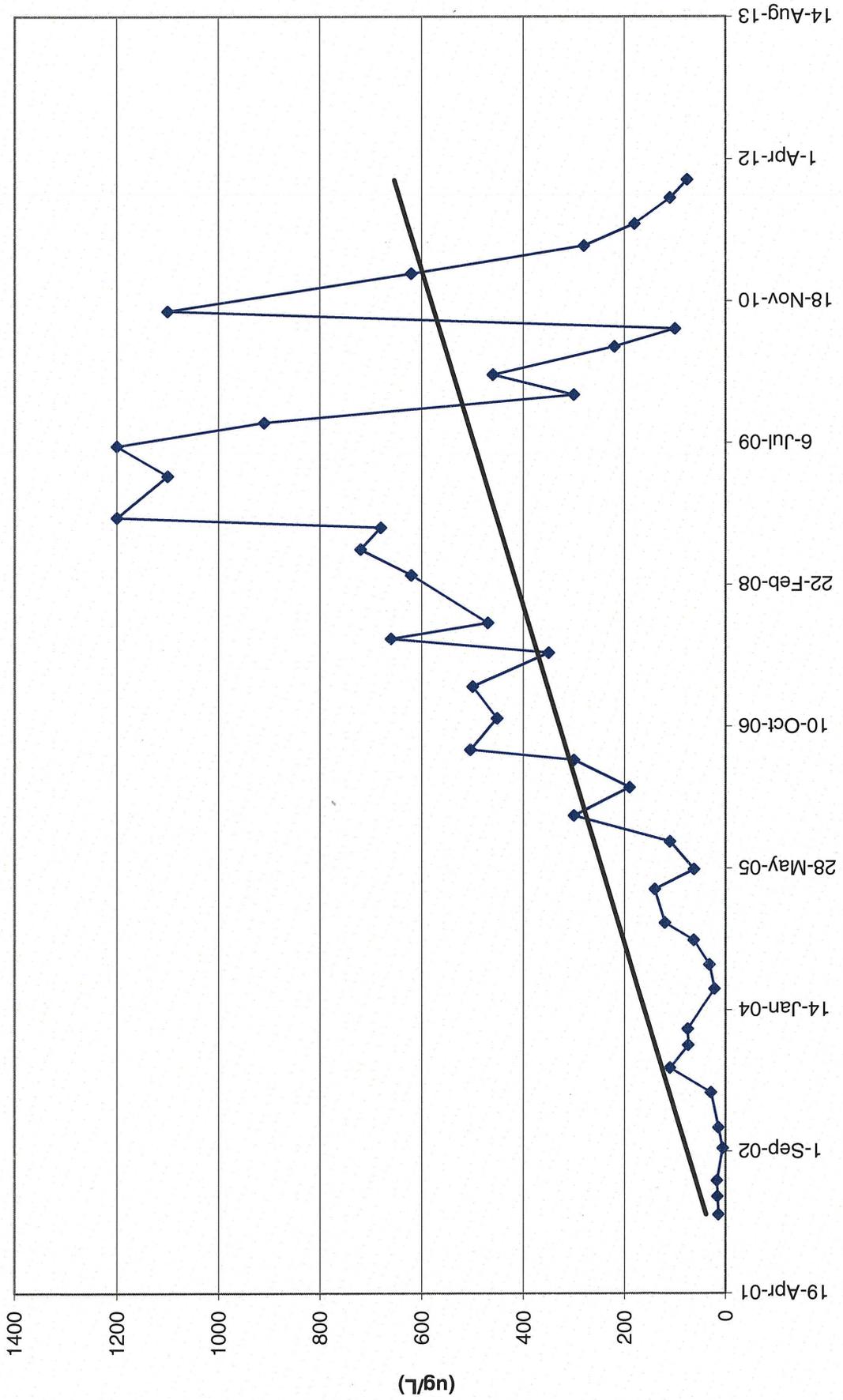


TW4-8 Chloroform Values

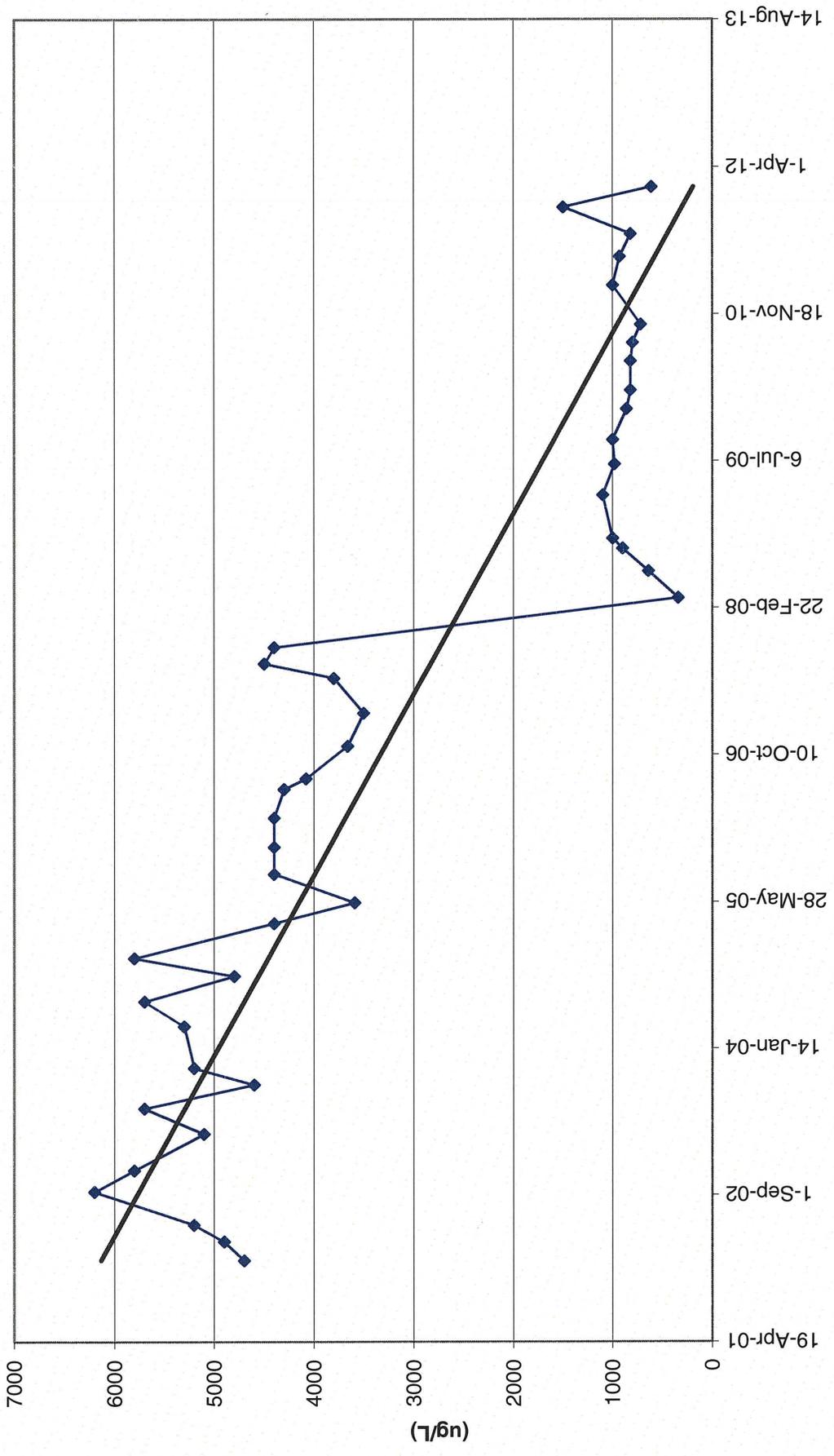
TW4-9 Chloroform Values



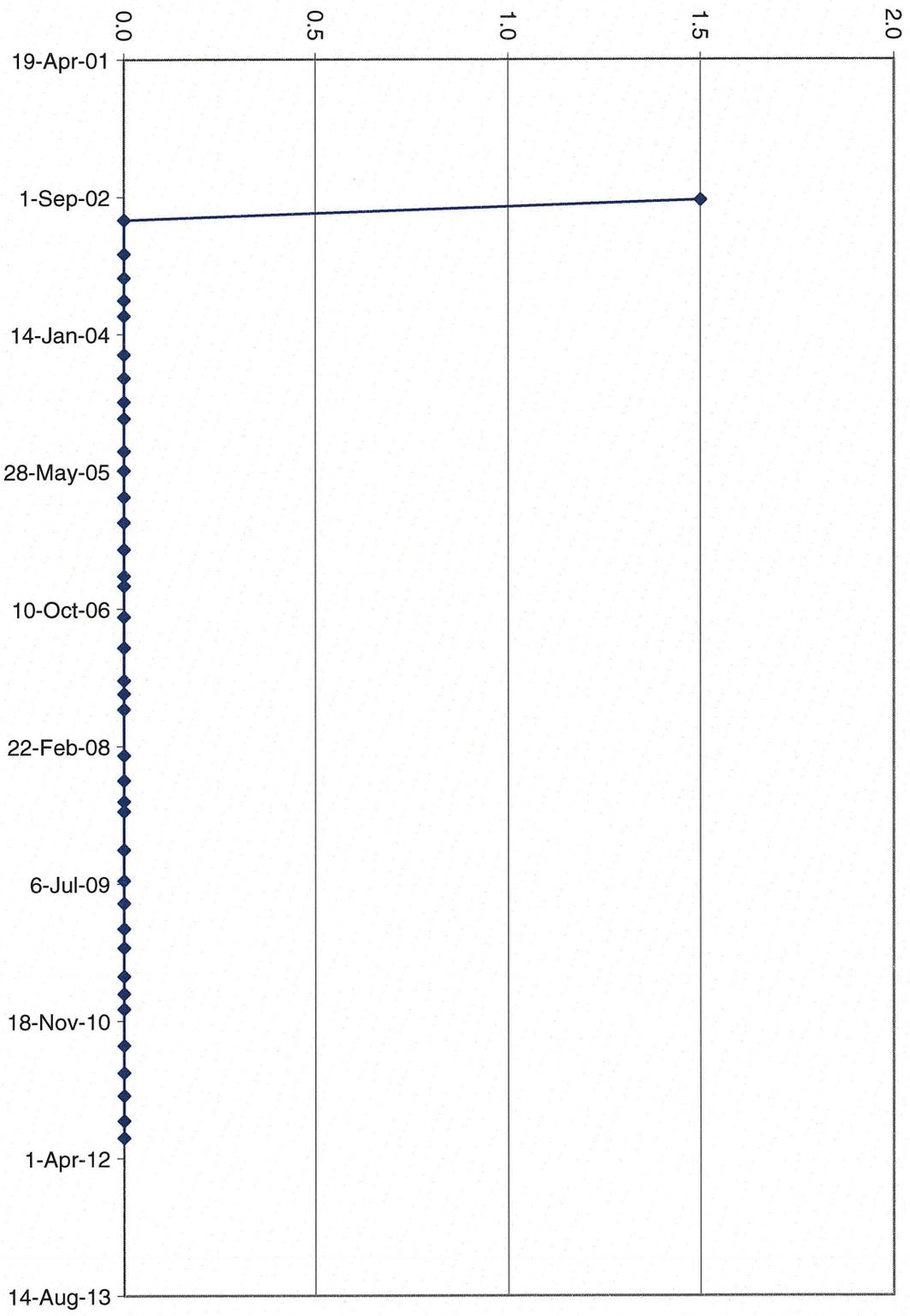
TW4-10 Chloroform Values



TW4-11 Chloroform Values

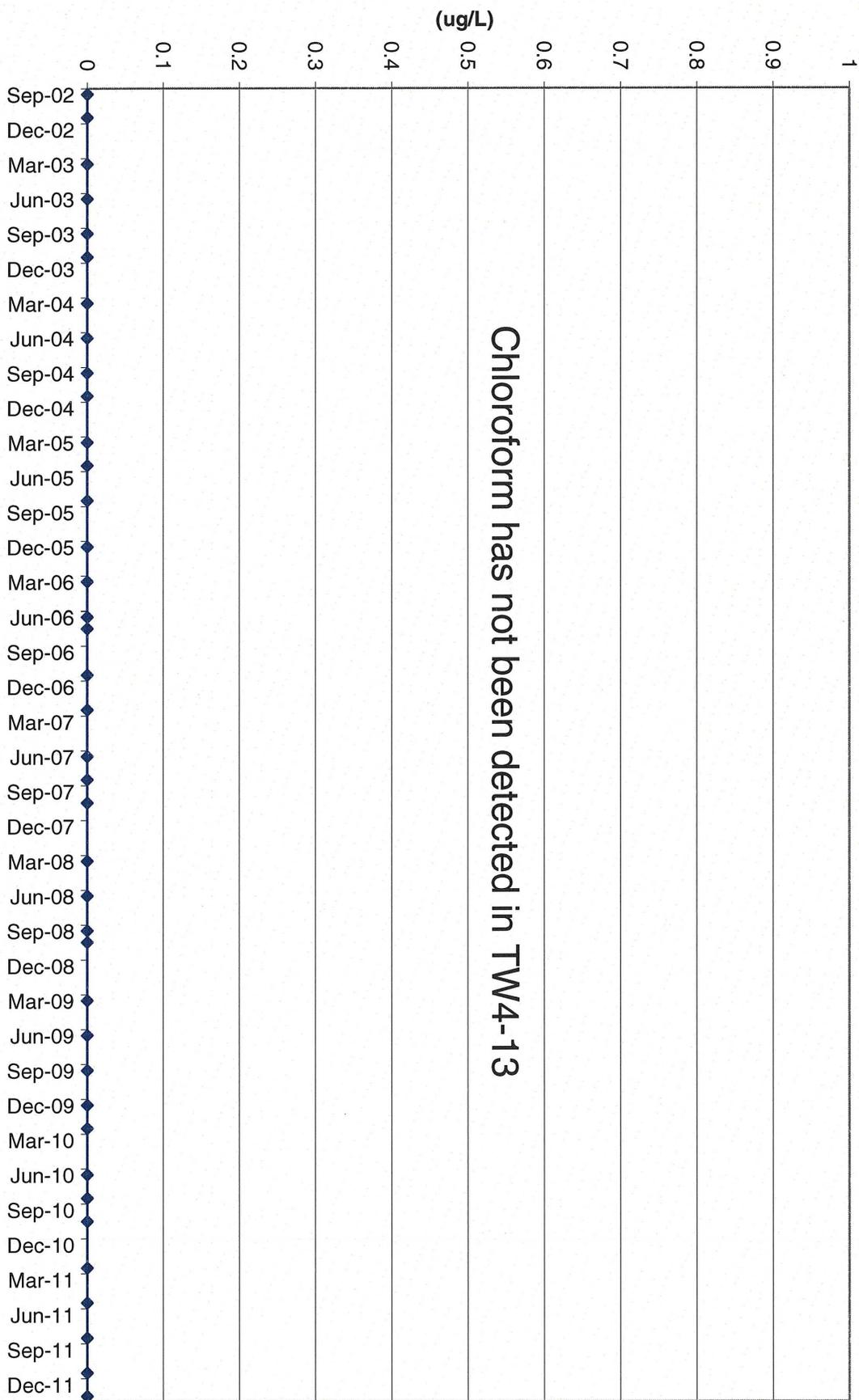


(ug/L)

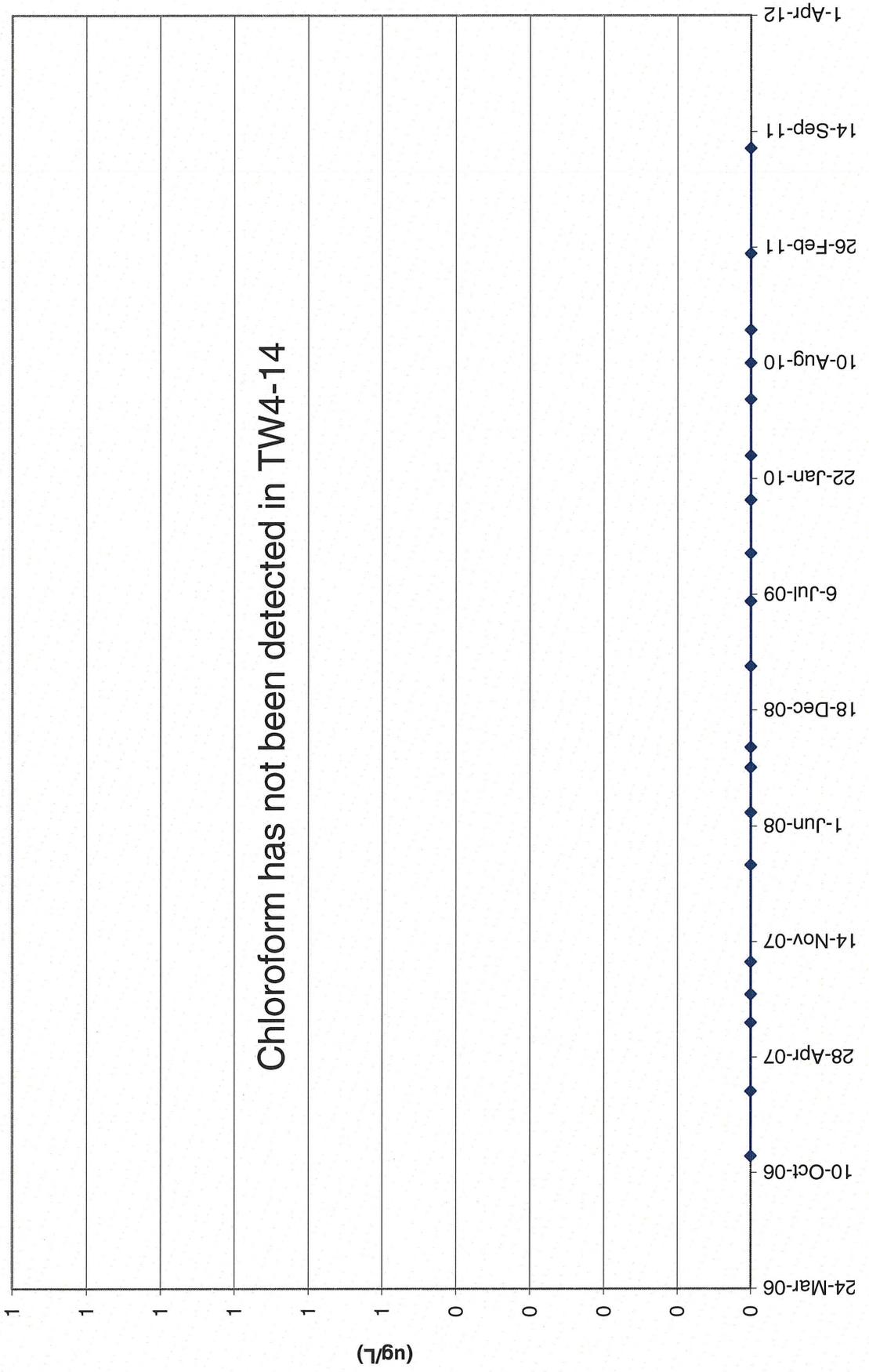


TW/4-12 Chloroform Values

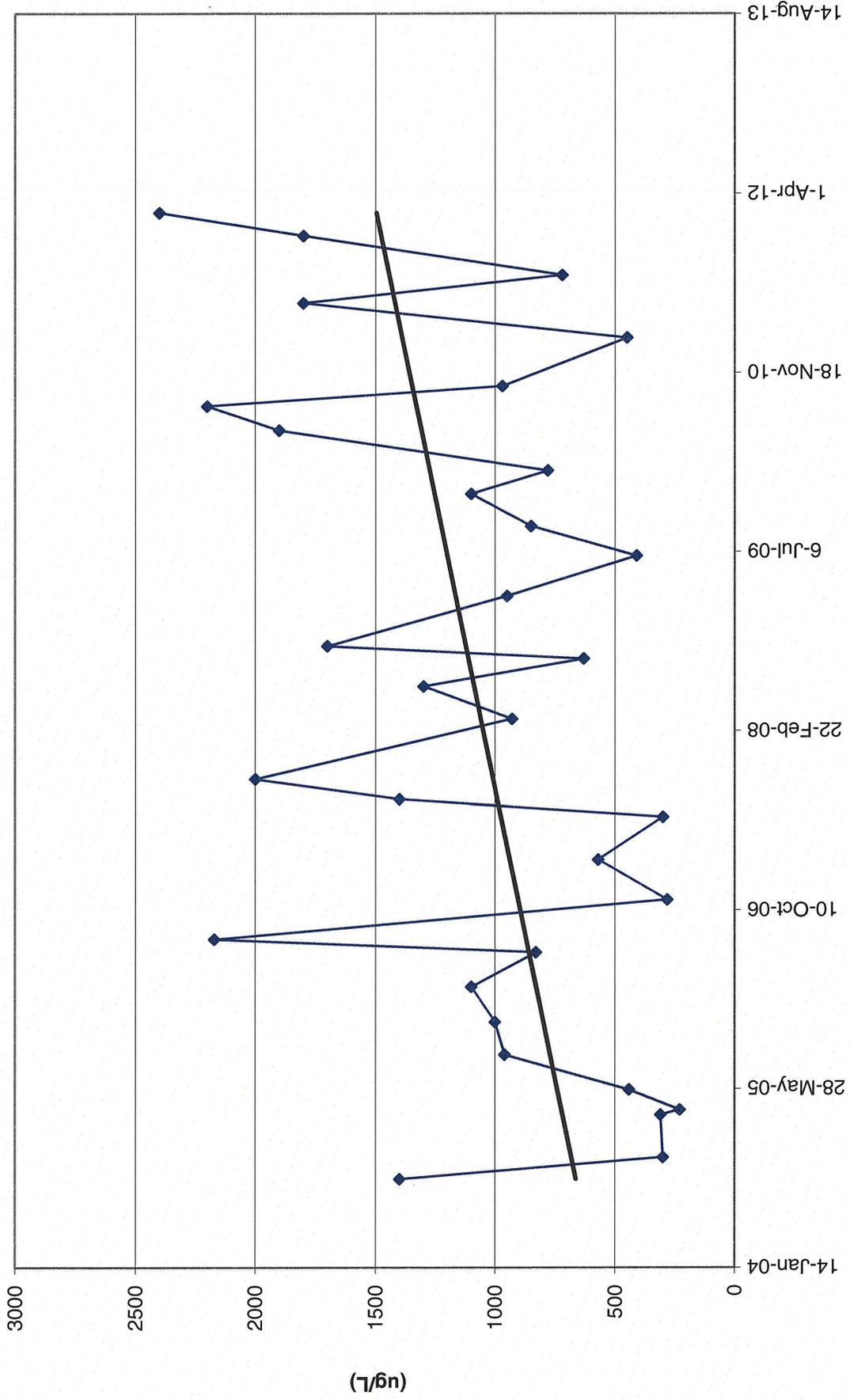
TW4-13 Chloroform Values



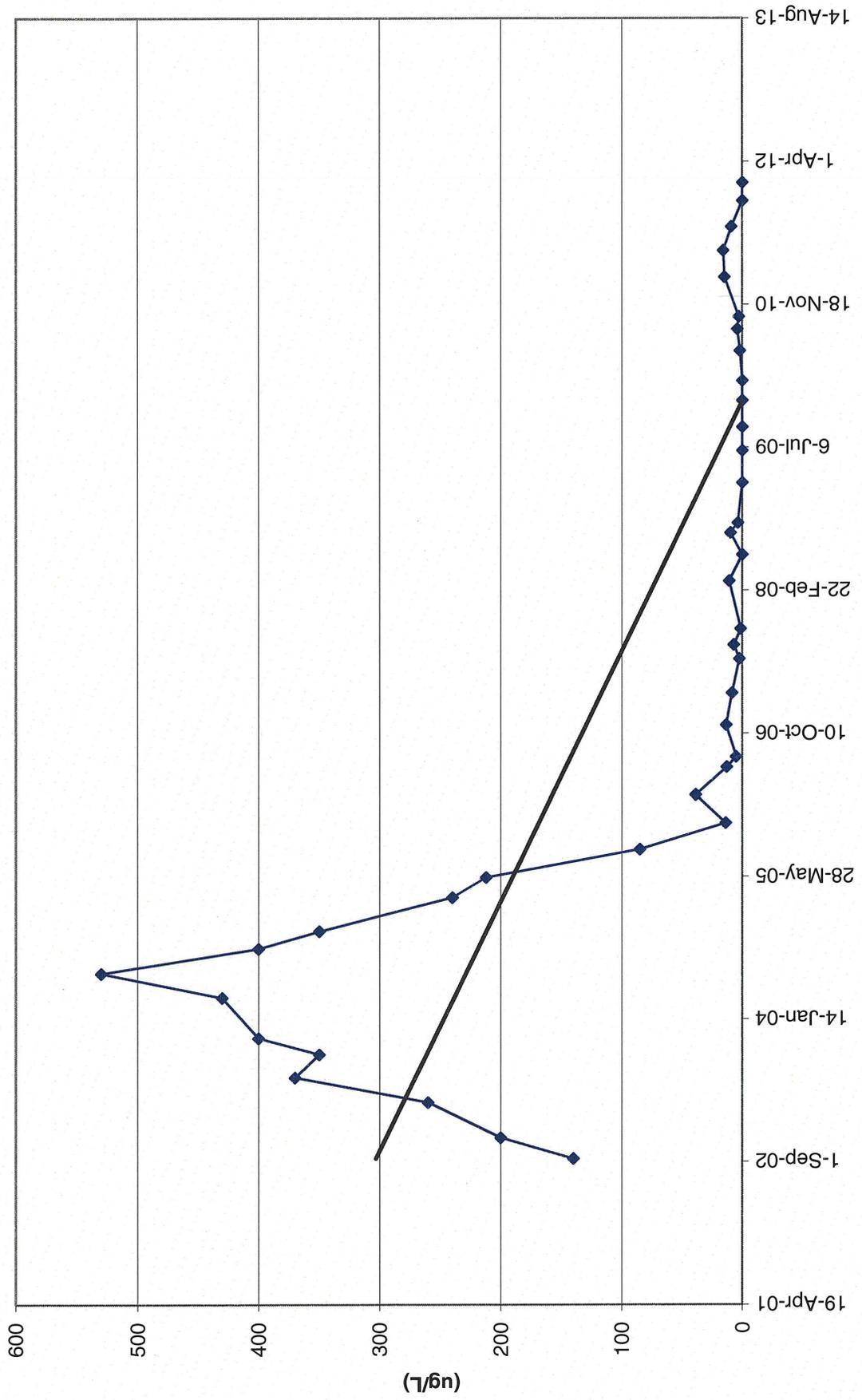
TW4-14 Chloroform Values



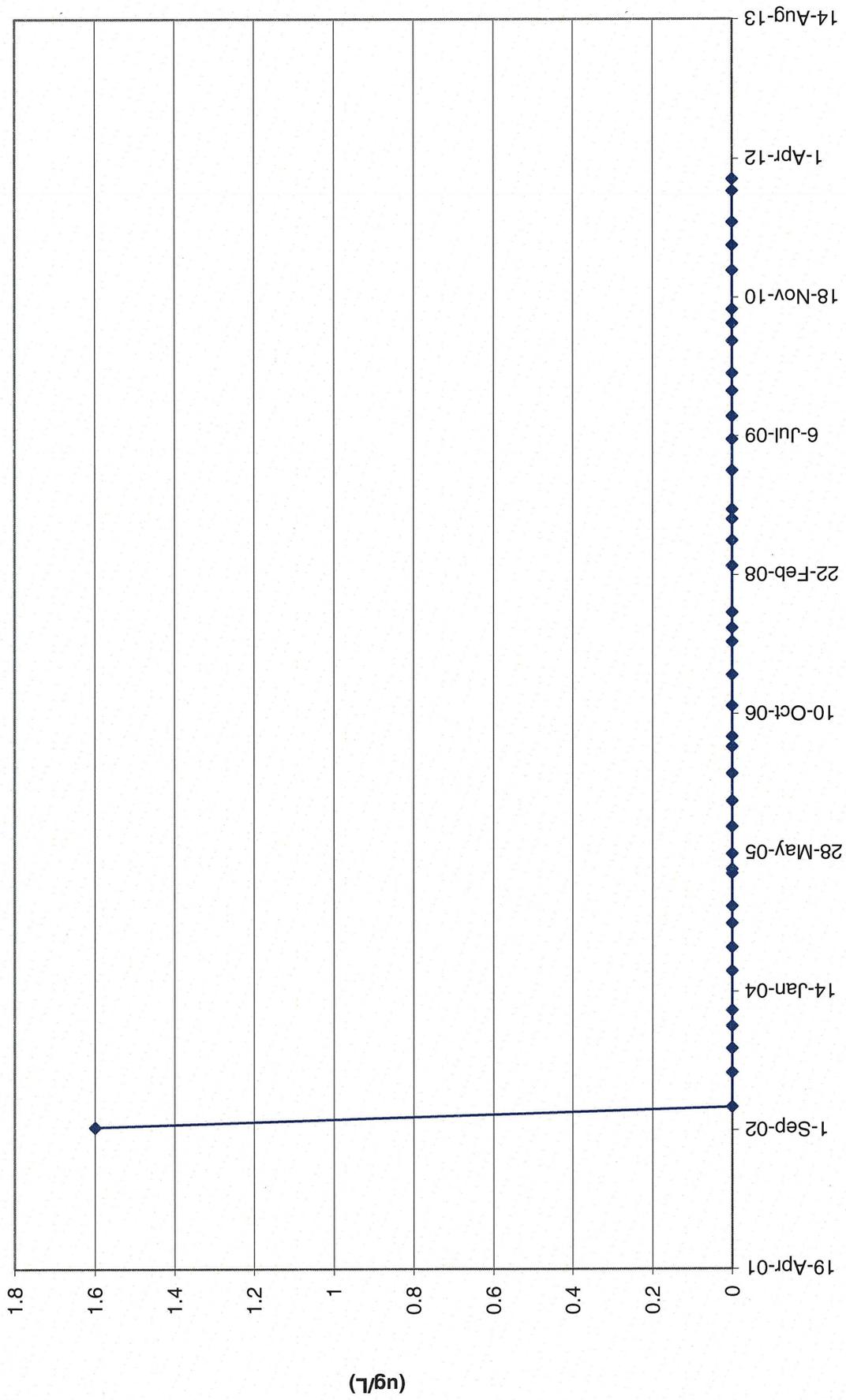
MW-26 Chloroform Values



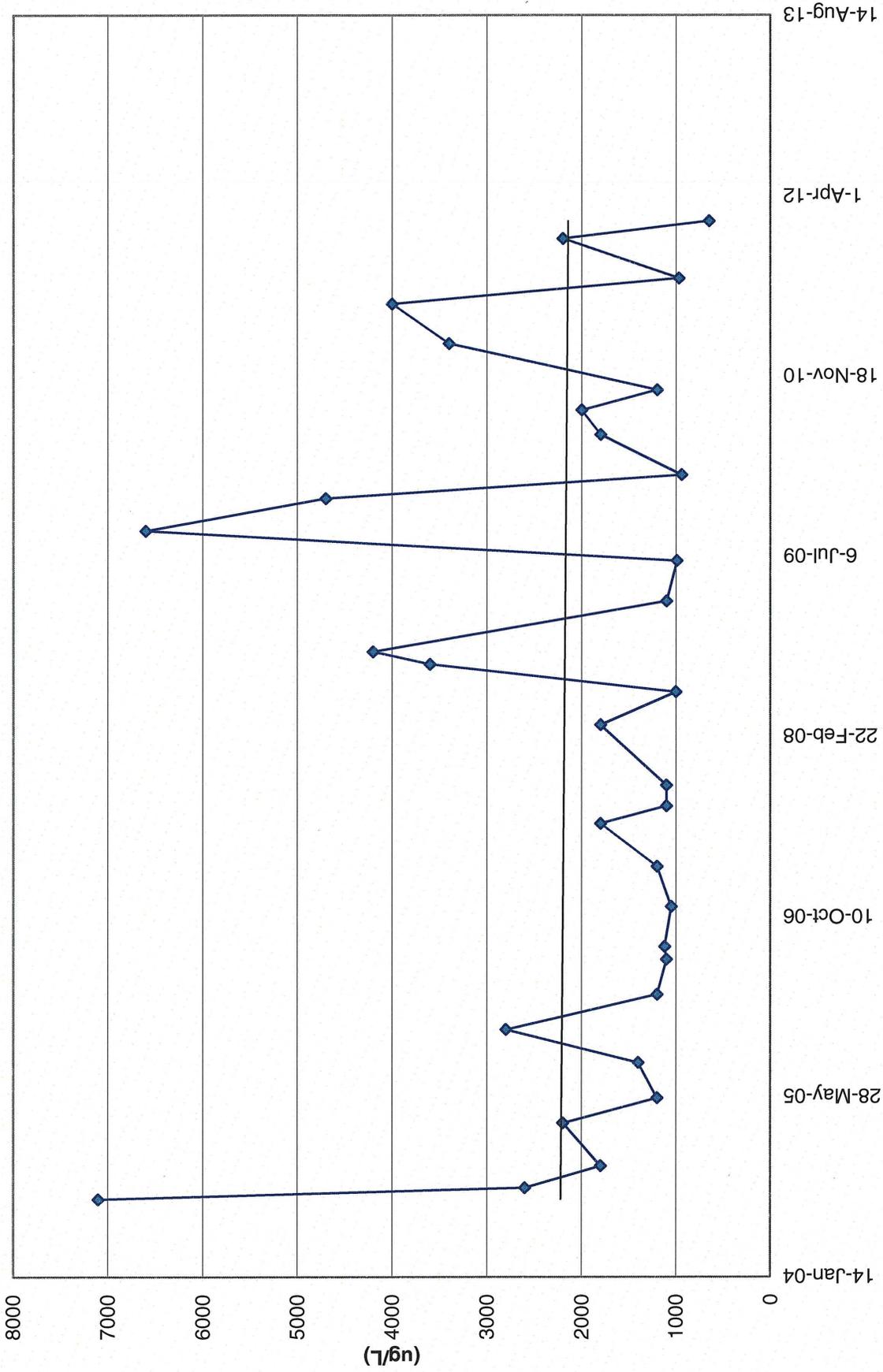
TW4-16 Chloroform Values



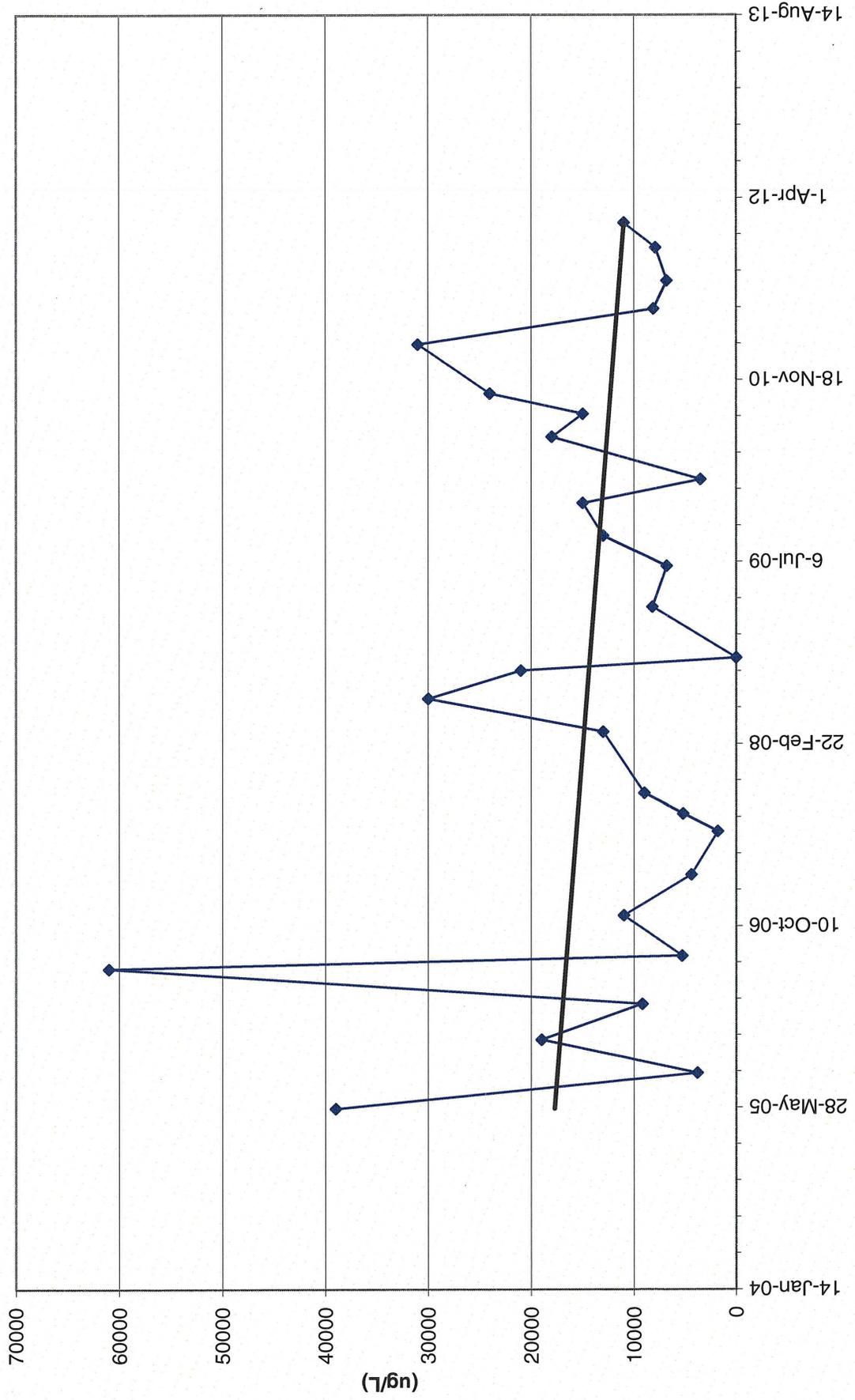
MW-32 Chloroform Values



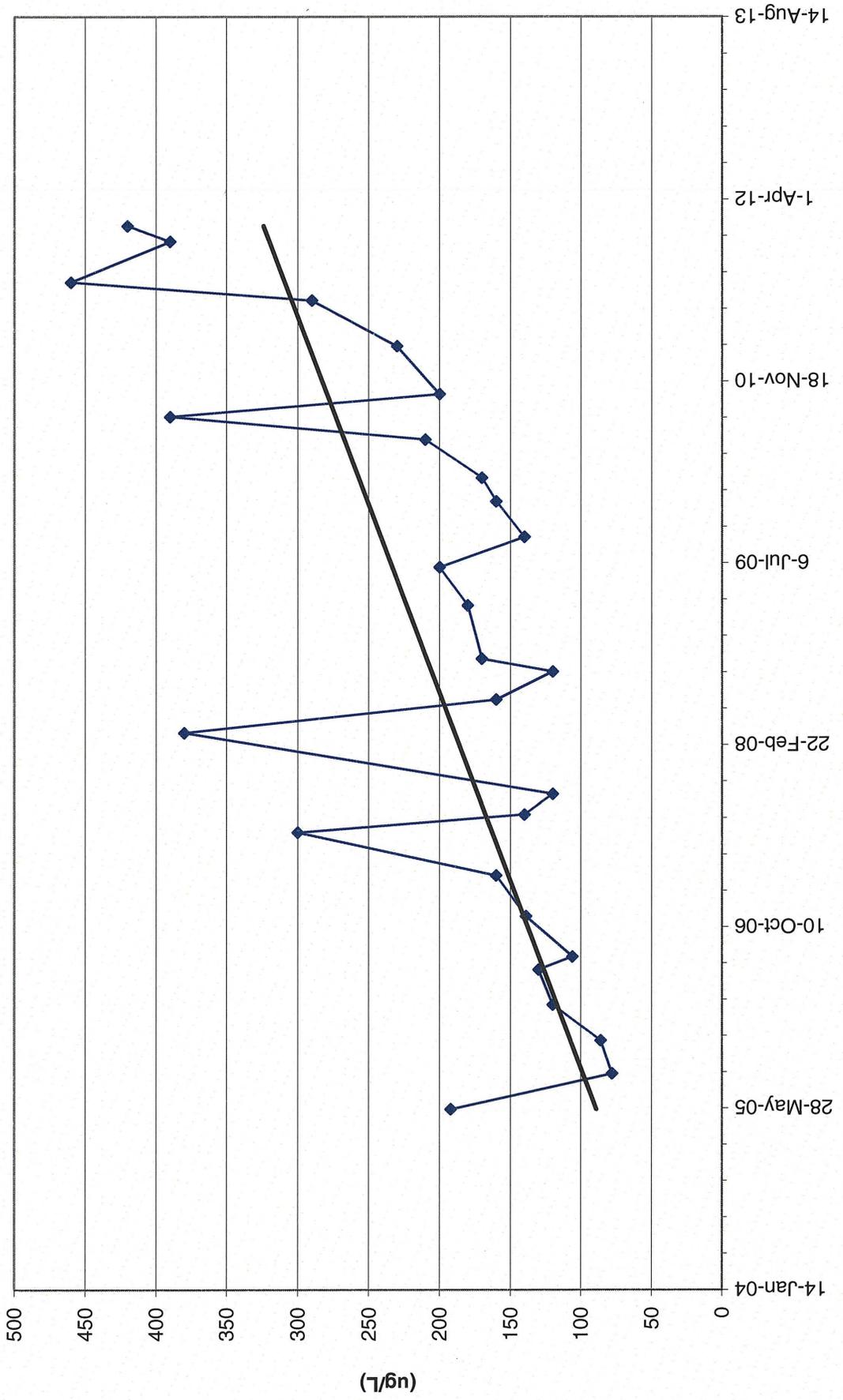
TW4-19 Chloroform Values



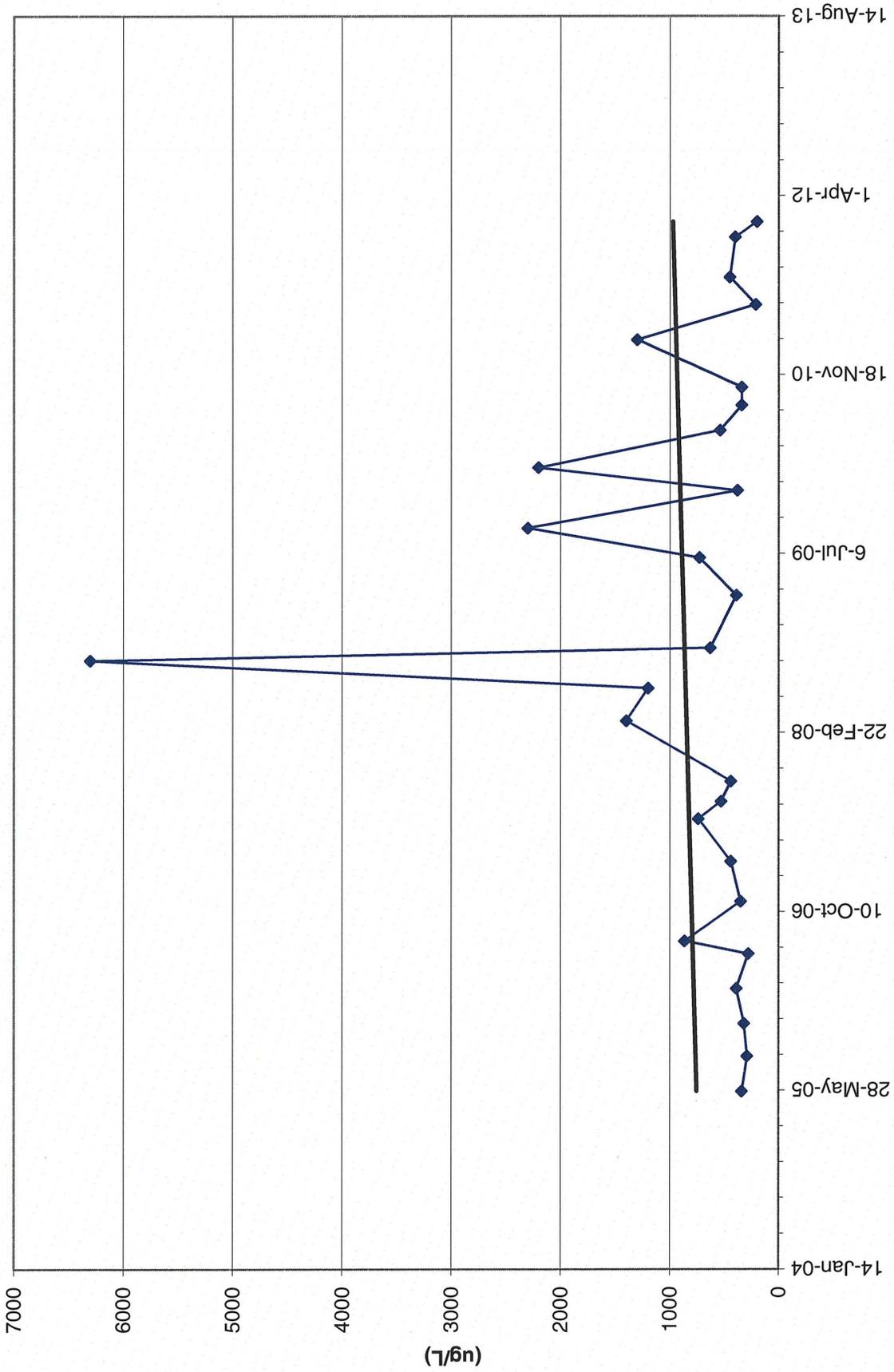
TW4-20 Chloroform Values



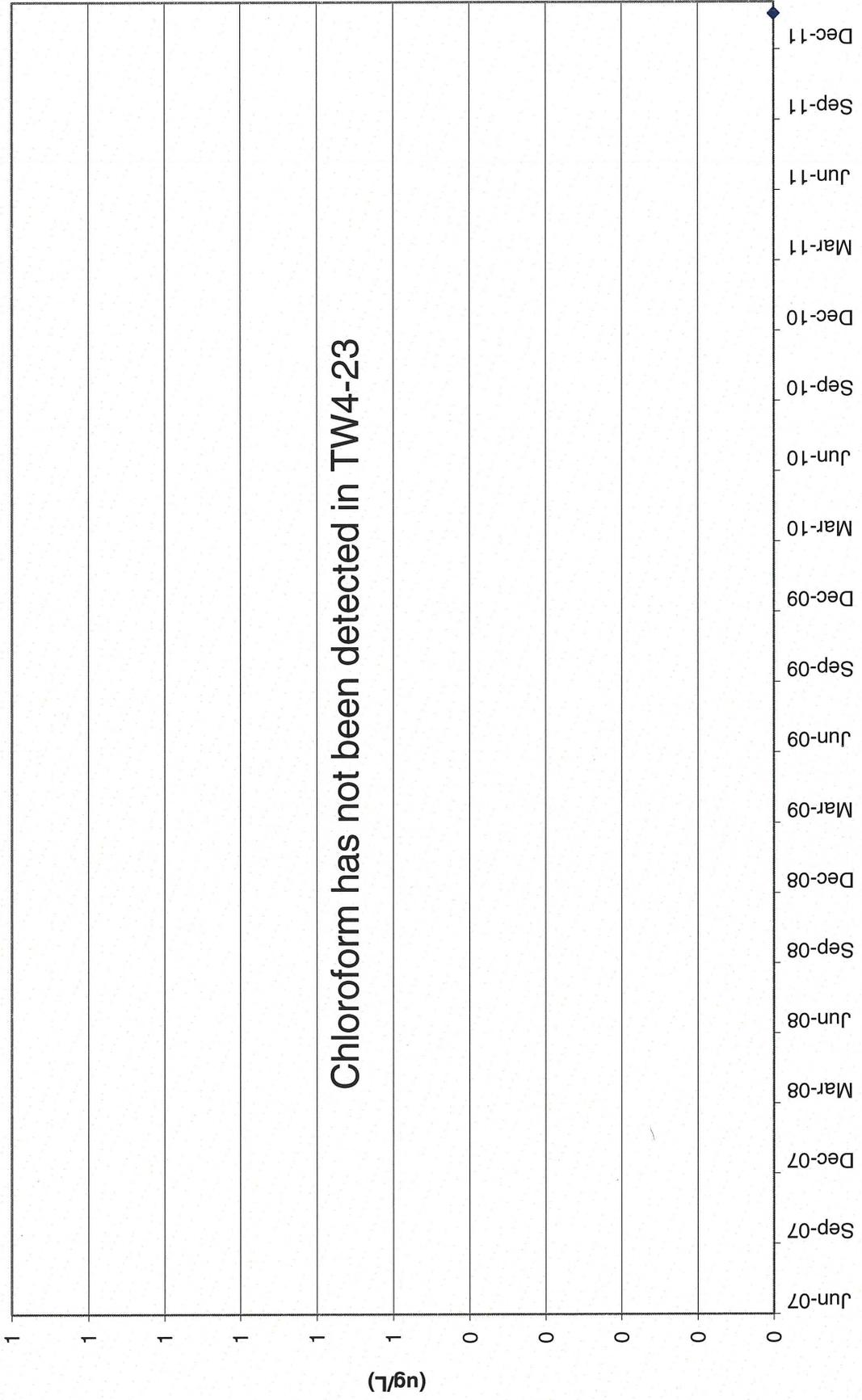
TW4-21 Chloroform Values



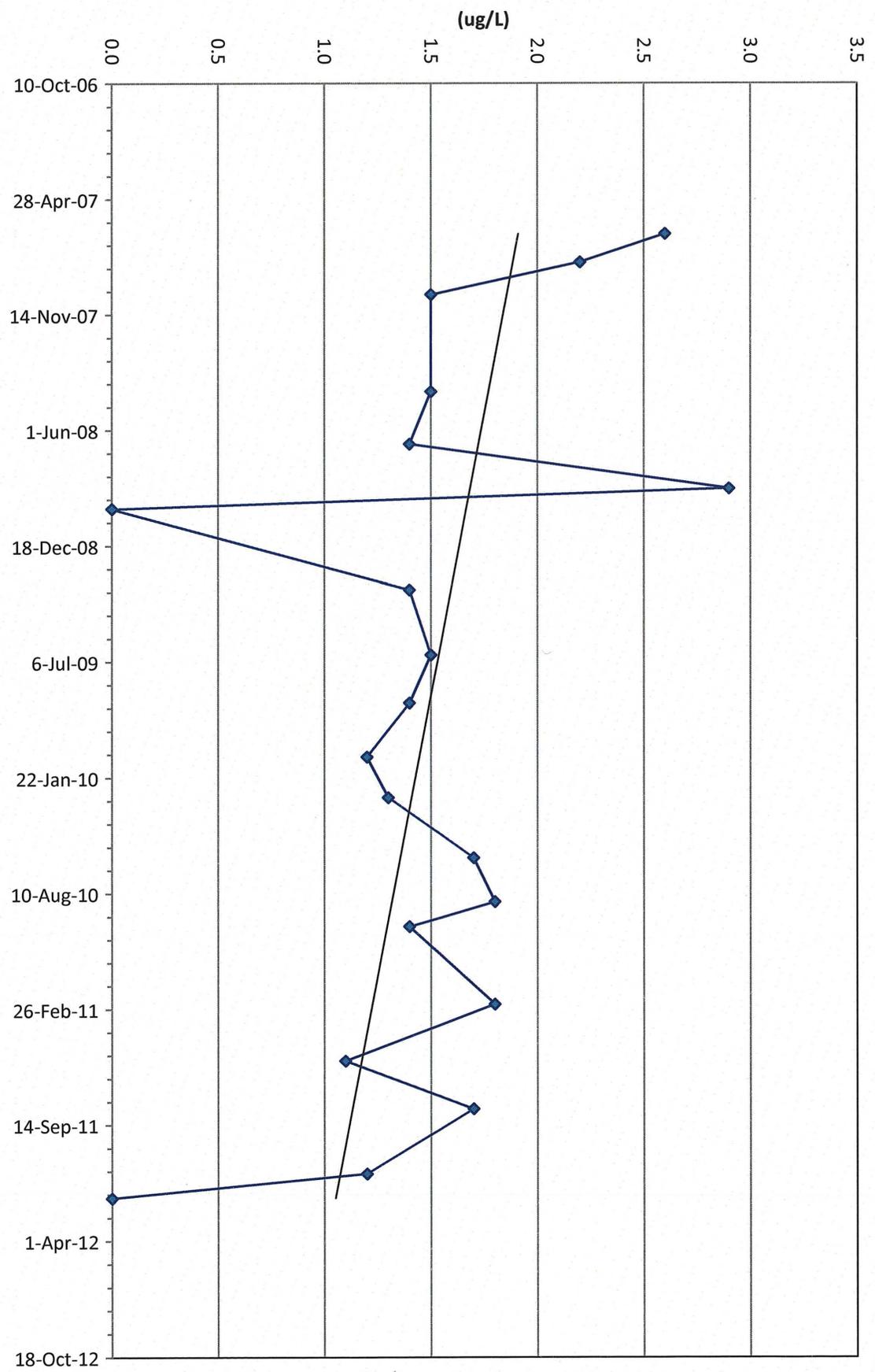
TW4-22 Chloroform Values



TW4-23 Chloroform Values

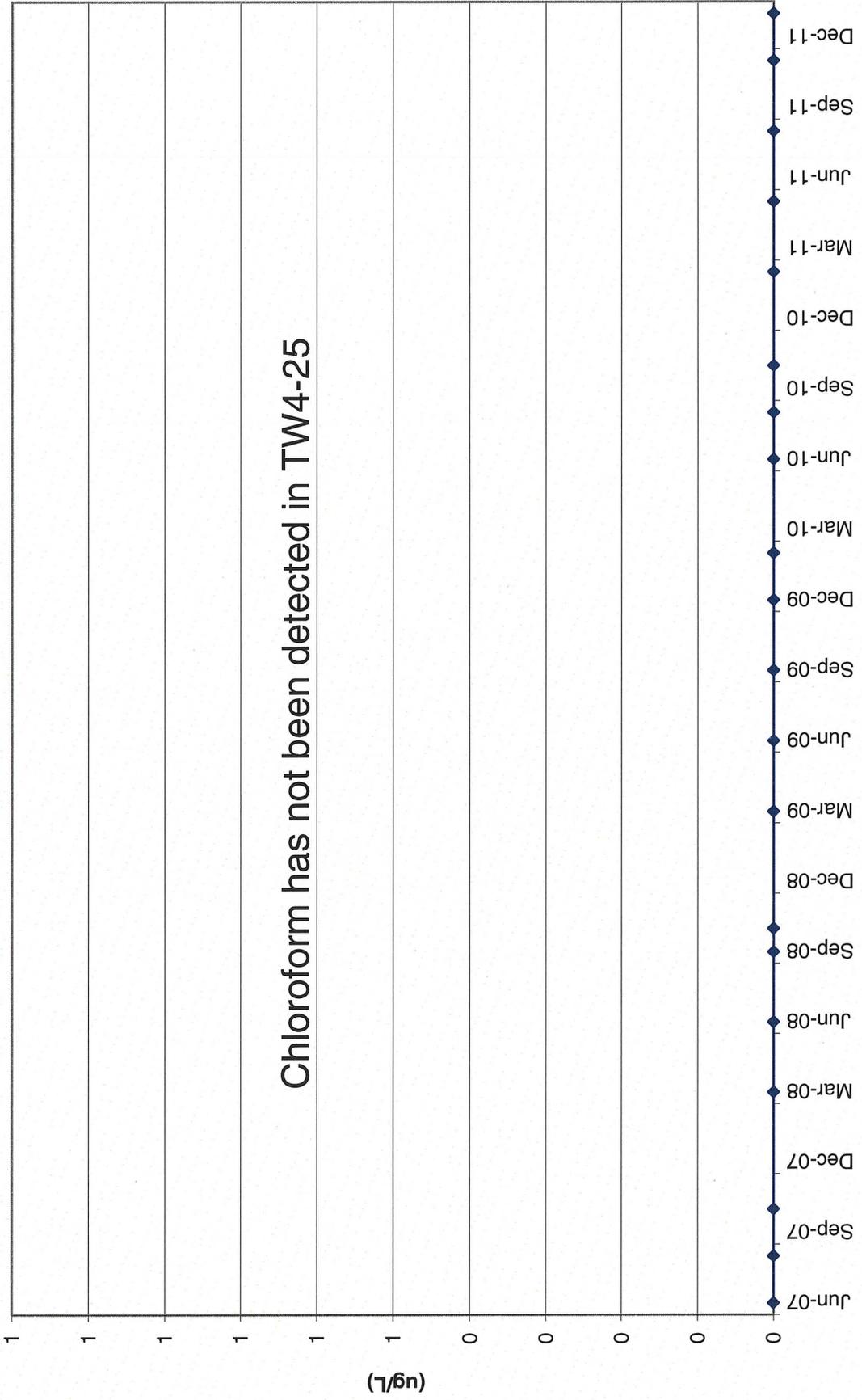


TW4-24 Chloroform Values

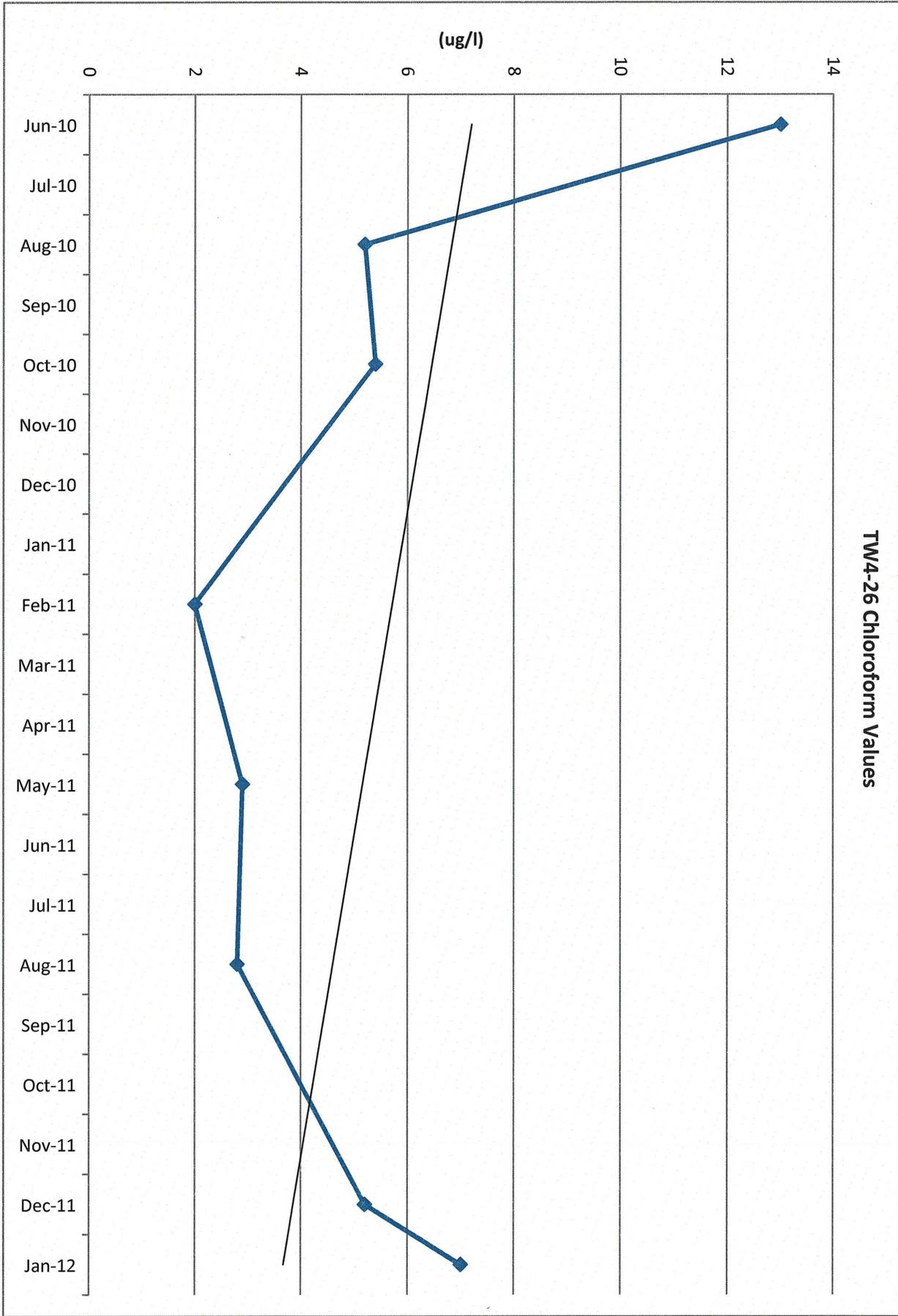


TW4-25 Chloroform Values

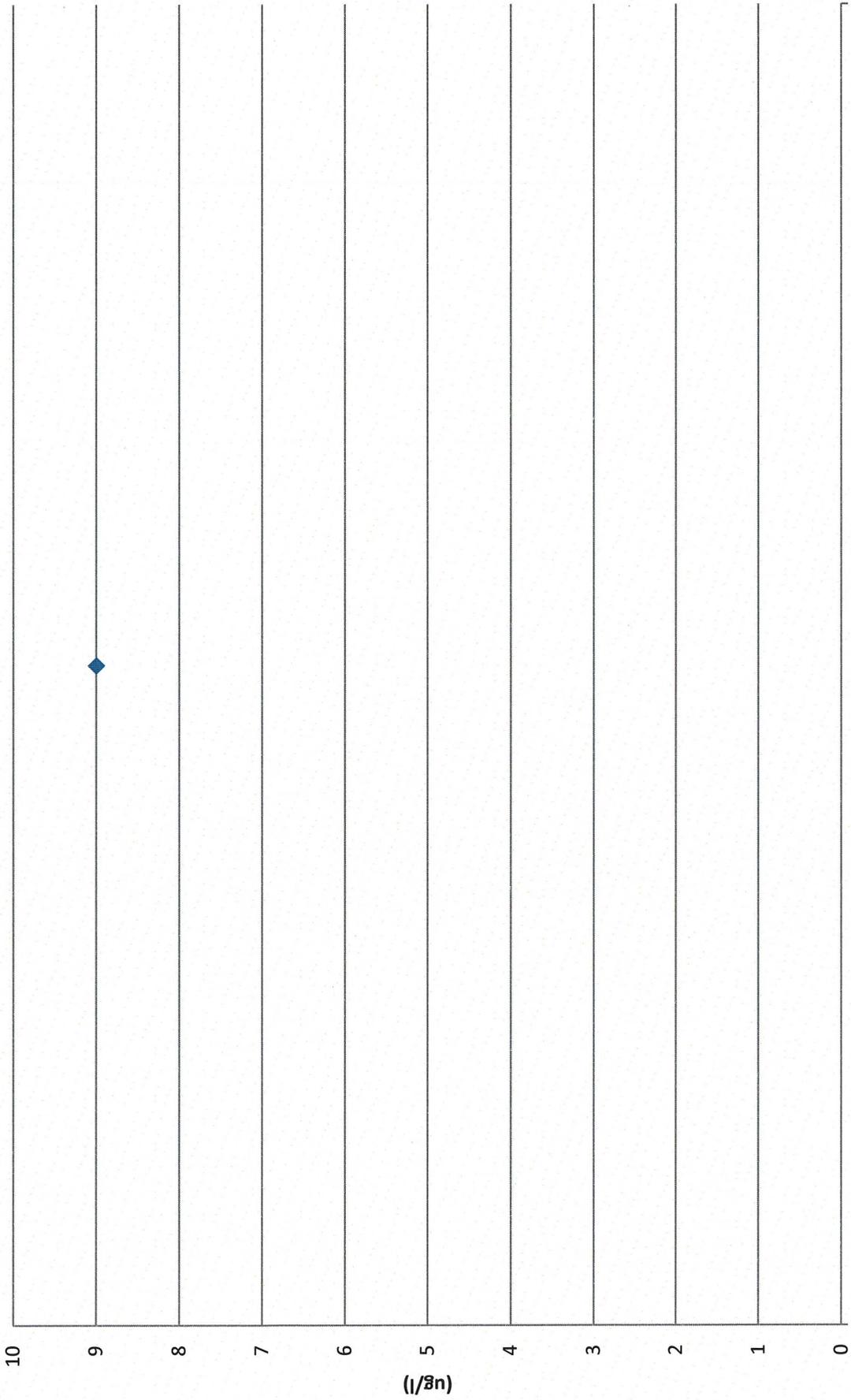
Chloroform has not been detected in TW4-25



TW4-26 Chloroform Values



TW4-27 Chloroform Values



Jan-12

Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, May 16, 2012 2:29 PM
To: 'rlundberg@utah.gov'
Cc: 'Pgoble@utah.gov'; 'Dean Henderson'; Ron Hochstein; Jo Ann Tischler; David Frydenlund; Jaime Massey; David Turk
Subject: Transmittal of CSV Files White Mesa Mill 2012 Q1 Chloroform Monitoring
Attachments: C12010623.CSV; C12010821.CSV; C12020478.CSV

Dear Mr. Lundberg,

Attached to this e-mail are electronic copies of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the first quarter of 2012, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel
Denison Mines (USA) Corp.
Quality Assurance Manager