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May 20, 2011

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 2011 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 2011 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,

JoAnn Tischler

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

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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)
2011

Prepared by:

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May 20, 2011

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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 2011 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 Chloroform Monitoring

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

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

Table 1 provides an overview of all wells sampled during the current period, 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.

2.1.2 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").

2.1.3 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.

All well levels used for groundwater contour mapping were measured and recorded within 5 calendar days of each other as indicated by the measurement data in the summary sheet under Tab D.

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 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, which is a separate Appendix A to the QAP. The Chloroform QAP describes the differing needs of the chloroform investigation program, and is an attachment to the GWDP QAP where QA requirements for the chloroform investigation are addressed. 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 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 established 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 H_2SO_4;

- 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 that are not included in Tab D. 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. All of the water level measurements used for the contour map were collected within 5 days of each other as indicated by the measurement dates in the summary sheet under Tab D. A copy of the kriged groundwater contour map generated from the 4th quarter 2010 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 first 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.

Six 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.

It is important to note that the rinsate blank sample frequency was modified in the fourth quarter 2010 as recommended by UDEQ personnel present on site for split sampling. Previously, a rinsate blank sample was collected after each decontamination of the nondedicated pump and prior to the next use of the pump. Per an e-mail from Mr. Phil Goble, dated October 4, 2010, rinsate blank samples are only required at the beginning of the sampling event and at the beginning of each day of sampling. The frequency change was implemented immediately and the rinsate blank frequency has been modified for all sampling events since.

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 an amendment 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, TW4-7, TW4-10, TW4-13, TW4-14, TW4-16, TW4-22, and TW4-26. 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. In each case, representative samples of formation water were collected after the wells were allowed to recover. In addition, TW4-6, and TW4-11, were pumped to dryness after 2 casing volumes were evacuated.

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 least 2 consecutive measurements. 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 below are included for information purposes only.

Six wells did not meet the requirement for the stabilization of turbidity within 10% RPD and two wells did not meet the requirement for the stabilization of conductivity within 10% RPD. In all cases, the wells were purged to dryness prior to the achievement of stabilization for turbidity and conductivity and as such the requirement to meet the stabilization criteria does not apply.

Twenty-three turbidity measurements exceeded the QAP's 5 NTU goal. Of the twenty-three wells, nine wells were 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.

DUSA's letter to DRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, DUSA is currently implementing a monitoring well redevelopment program. The redevelopment program has reviewed the available turbidity data for the nitrate wells and has developed a list of wells that have undergone redevelopment utilizing several strategies. The redevelopment strategies include additional surging and bailing and overpumping as necessary. Surging and bailing and overpumping for the nitrate and chloroform wells is complete. Redevelopment of the groundwater wells is in progress. Data from the redevelopment of the chloroform wells will be reviewed with the data from the redevelopment of the nitrate and groundwater programs. A single report will be prepared at the completion of the redevelopment program for the wells in all three programs which is planned for submittal on or before the end of the third quarter 2011. DUSA will review the redevelopment data and summarize the status of the Mill wells. Redevelopment results will be discussed with DRC in an effort to come to a consensus regarding turbidity considerations for the chloroform wells at the Mill site.

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 25 sets of sample results (23 wells, and 2 duplicates) 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 VOC analytes.

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 except for chloroform in sample/duplicate pairs TW4-19/TW4-65 and TW4-10/TW4-70 were within the 20% RPD acceptance limits. The chloroform results for both sets of duplicate pairs are greater than 5 times the reporting limit and both sets of duplicate pairs results were diluted 100-fold or more due to the high chloroform concentration. The RPD greater than 20% is most likely due to a dilution error in the laboratory. In addition, the results are significantly above the groundwater quality standard of 70 ug/L and as such the noncompliant RPD results do not affect the quality or usability of the data. 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

A review of the analytical results reported for rinsate blank samples indicated that none of the rinsate blank samples contained chloroform. A DIFB was analyzed and was reported as nondetect.

Nitrate

Five rinsate blank samples had reported low level concentrations of nitrate. A DIFB was analyzed and was reported as nondetect for nitrate. 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 all but one of the rinsate blank samples met this criterion. Rinsate blank TW4-9R had a reported detection of nitrate of 0.2 mg/L while the previously sampled well was reported as nondetect.

This criterion however, is irrelevant and inappropriate for the rinsate blank sample data collected during the nitrate 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.

Rinsate blank samples collected from the portable pump may be indicative of possible cross-contamination resulting from pump usage during the purging process. Under the Mill's sampling program the rinsate blank sample results are not directly applicable to the sample results due to the use of different equipment (disposable bailers) for the sample collection. The pump used for purging does not come into contact with the samples at any time during the sample collection process and therefore comparison of the pump rinsate blanks to the sample results is irrelevant and inappropriate. Any nitrate left in the well from pump cross-contamination is reduced or negated by the influx of formation water into the well in the time after purging and prior to sampling. Because samples are collected the day following purging and using different equipment, the rinsate blank concentration resulting from the pump use or decontamination fluids is not applicable to the sample results because the pump does not contact the samples. As noted in previous reports, an investigation into the source of the nitrate contamination present in the rinsate blank samples has been ongoing. Below are the results of the source investigations, and corrective actions are detailed in Section 6.2.

The nitrate levels reported in the rinsate blank samples for this investigation are similar to the nitrate rinsate sample concentrations reported for the previous nitrate sampling programs. Data collected for this ongoing investigation are as follows:

- The nitrate concentrations in the rinsate samples from both the chloroform sampling program and the nitrate sampling program are just slightly above the detection limit and are not dependent on or affected by the previous sample concentrations.
- The presence of nitrate in both the chloroform and nitrate sampling programs indicates that the contamination is due to external factors such as the nitric acid rinse during the decontamination process and potential absorption of nitrogen from the nitric acid into the non-stainless steel portions of the purging equipment including the pump tubing and connectors.

The investigation into the nitrate in the rinsate blanks is continuing, with additional focus on the rinsate collection process. Nitric acid introduced during the decontamination process is the single highest possible source of nitrate ions. However, there may be some contribution of nitrate from the decontamination process and/or the purging equipment. To address these issues, the decontamination process and rinsate collection process are being reviewed to determine if the purging equipment in combination with the nitric acid wash used during the decontamination process are causing the nitrate detections in the rinsate blanks.

Corrective actions are described in Section 6.2.

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 an 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 above the laboratory established acceptance limits, do not affect the quality or usability of the data because the recoveries above 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. The surrogate recoveries that were outside of acceptance limits were above the upper limit or that had a high recovery, indicating a high bias to the individual sample results. A high bias means that reported results will 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 four chloroform pumping wells are located, in each case with hand-drawn stream tubes, depicting hydraulic capture from the pumping

The contour maps are based on the February 28, 2011 data for all wells.

The water level contour maps indicate that perched water flow at the site ranges from generally southwesterly in the western portion of the site to generally southerly in the eastern portion of the site. 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 immediate vicinity of TW4-4, the well has apparently not been pumped long enough to have measurably affected water levels at adjacent wells. Therefore, a well-defined cone of depression is not yet evident. Water levels at wells immediately south of TW4-4 have likely not responded measurably to TW4-4 pumping 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 2 orders of magnitude lower than at TW4-4.

The lack of definition of a cone of depression at TW4-4 is also influenced by the persistent, apparently anomalously 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 is approximately 13 feet lower than the water level at TW4-6 and approximately 19 feet lower than TW4-4 even though TW4-4 is pumping. The low water level at TW4-14 is considered anomalous because it appears to be downgradient of all three wells TW4-4, TW4-6, and TW4-26, yet there is no chloroform at TW4-14. Chloroform has apparently migrated from TW4-4 to TW4-6 and from TW4-6 to TW4-26 which suggests that TW4-26 is actually downgradient of TW4-6, and TW4-6 is actually downgradient of TW4-4, regardless of the flow direction implied by the low water level at TW4-14.

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

The groundwater contour maps for the Mill site for the fourth quarter of 2010, as submitted with the Chloroform Monitoring Report for the fourth quarter of 2010, are attached under Tab E.

A comparison of the water table contour maps for the first quarter of 2011 to the water table contour maps for the previous quarter (fourth quarter of 2010) 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 does not yet appear to have measurably affected water levels at adjacent wells.

A reported increase in water level of approximately 3 feet occurred in Piez-3. Reported decreases in water levels of approximately 5 feet occurred in well MW-18, of approximately 21 feet occurred in well TW4-18, and of approximately 20 feet occurred in well TWN-18. A reported increase in water level of approximately 11 feet occurred in pumping well TW4-4, and a reported decrease in water level of approximately 18 feet occurred in pumping well TW4-19. Water level changes at other pumping wells 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 18 feet occurred in well TW4-19 and the largest increase (decrease in drawdown), of approximately 11 feet, occurred at TW4-4. Water levels reported for TW4-18 and TWN-18 during the current quarter are more similar to historical measurements than those reported for the previous quarter.

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 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 that effective capture of water containing high chloroform concentrations in the vicinity of these pumping wells is occurring. Overall, the combined capture of MW-4, MW-26, TW4-19, and TW4-20 has not changed significantly since the last quarter. As noted in Section 4.1.2, a decrease in water level (increase in drawdown) of approximately 18 feet occurred at TW4-19, and an increase in water level (decrease in drawdown) of approximately 11 feet occurred at TW4-4. The increase in drawdown at TW4-19 has increased the apparent capture zone of this well relative to other nearby pumping wells. As discussed in Section 4.4.1, TW4-4 has apparently not been pumped long enough for a well-defined capture zone to develop and the drawdown associated with TW4-4 is likely less apparent due to the low water level at TW4-14.

Chloroform concentrations exceeding 70 µg/L have occurred at some locations downgradient of pumping wells (for example, at TW4-6, located immediately south and as discussed in Section 4.1.1, presumably downgradient 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 1,000 µg/L to 47 µg/L, and at TW4-26 from 13 µg/L to 2 µg/L since pumping began at TW4-4. Concentrations at these wells have decreased substantially even though they do not appear to be within the hydraulic capture of TW4-4. Pumping TW4-4 acts to cut off the source of chloroform to these wells 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 is a table 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: TW4-11, TW4-16, TW4-18, TW4-19, TW4-20, TW4-22, and TW4-24;

b) Chloroform concentrations have decreased by more than 20% in the following wells compared to last quarter: TW4-6, TW4-10, MW-26, and TW4-26;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-2, TW4-4, TW4-5, TW4-7, and TW4-21; and

d) TW4-3, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, MW-32, TW4-23, and TW4-25 remained 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 TW4-6, TW4-10, TW4-11, MW-26, TW4-16, TW4-18, TW4-19, TW4-20, TW4-22, and TW4-24, and TW4-26 had changes in concentration greater than 20%. Of the latter, MW-26, TW4-19 and TW4-20 are pumping wells. TW4-6 is located adjacent to pumping well TW4-4; TW4-10 and TW4-16 are located adjacent to pumping well MW-26; TW4-11 is located between pumping wells MW-4 and MW-26; TW4-18 is located adjacent to pumping well TW4-19; 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. The increase in concentration at TW4-24 from 1.4 to 1.8 µg/L was only slightly greater than 20%, and likely the result of analytical error because the concentration is close to the detection limit. Decreases in concentrations at TW4-6 and TW4-26 are likely related to pumping at TW4-4.

Pumping well TW4-20 had the highest detected chloroform concentration. Since the last quarter, the chloroform concentration in TW4-20 increased from 24,000 µg/L to 31,000 µg/L, the concentration in adjacent pumping well TW4-19 increased from 1,200 µg/L to 3,400 µg/L, the concentration in nearby well TW4-21 increased slightly from 200 to 230 µg/L, and the concentration in nearby well TW4-22 increased from 340 µg/L to 1,300 µg/L. Wells TW4-23 and TW4-25 remained non-detect for chloroform. TW4-24, located west of TW4-22, and TW4-25, located north of TW4-21, bound the chloroform plume to the west and north.

The chloroform concentration in TW4-6 decreased substantially from 430 µg/L to 47 µg/L since last quarter, placing the well outside the chloroform plume boundary. Concentrations at TW4-6 have been on a generally downward trend since initiation of pumping of TW4-4 in the first quarter of 2010 and have decreased from 1,000 µg/L to 47 µg/L since that time. 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.

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 recently installed well TW4-26 are also expected to be relatively low due to upgradient pumping and low permeability conditions.

The chloroform concentration in TW4-16, located immediately downgradient of the chloroform plume, increased from 3 µg/L to 15 µg/L. Slight expansion and contraction of the chloroform plume boundaries in response to changes in upgradient pumping are expected to impact the concentrations at TW4-16. In addition, the southernmost boundary of the plume is now between TW4-4 and TW4-6 (located just north of southernmost temporary well TW4-26). Decreases in concentration at both TW4-6 (from 430 µg/L to 47 µg/L) and TW4-26 (from 5.4 µg/L to 2 µg/L) are likely due to upgradient pumping, in particular pumping at TW4-4.

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 January and March 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 February 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.

During the review of the weekly depth to water and flow measurements the Field Coordinator noted that there were inconsistencies in how the flow measurements were made. The flow measurements were adjusted by the Field Coordinator and retraining of the Field Staff was completed to assure correct and consistent recording of measurements.

5.4.1 MW-4

Approximately 76,247 gallons of water were pumped from MW-4 during the quarter. The average pumping rate from MW-4, when the pump was pumping, was approximately 3.7 gpm throughout the quarter. The well is not pumping continuously, but is on a delay device. The well purges for a set amount of time and then shuts off to allow the well to recharge. Water from MW-4 was transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. During the January 4, 2011 weekly depth to water and flow measurements it was noted by Field Personnel that the flow meter was frozen. Additionally, during the February 21, 2011 depth to water and flow measurements it was noted by Field Personnel that the flow meter needed to be replaced. Field Personnel returned the following week and collected the measurements indicating that the flow meter had been replaced.

5.4.2 TW4-19

Approximately 454,608 gallons of water were pumped from TW4-19 during the quarter. The average pumping rate from TW4-19, when the pump was pumping, was approximately 7.5 gpm throughout the quarter. The pump in this well is operating on a delay. It pumps for approximately one and a half minutes and then is off for two to three minutes. Water from TW4-19 was directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

5.4.3 MW-26

Approximately 55,130 gallons of water were pumped from MW-26 during the quarter. The average flow rate from MW-26, when the pump was pumping, was approximately 5.3 gpm throughout the quarter. The well is not pumping continuously, but is on a delay device. The well now purges for a set amount of time and then shuts off to allow the well to recharge. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. During the January 4, 2011 weekly depth to water and flow measurements it was noted by Field Personnel that the flow meter was slow due to the cold weather. During the January 17, 2011 weekly depth to water and flow measurements it was noted by Field Personnel that the power was off to wells MW-26 and TW4-20. Field Personnel returned the following week and collected the measurements after the power had been restored.

5.4.4 TW4-20

Approximately 37,187 gallons of water were pumped from TW4-20 during the quarter. The average flow rate from TW4-20, when the pump was pumping, was approximately 6.7 gpm throughout the quarter. The well is not purging continuously but is on a delay device. The well pump is set on a water elevation device. When the water reaches a set point, the pump turns on until the water level drops to another set point. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. During the January 17, 2011 weekly depth to water and flow measurements it was noted by Field Personnel that the power was off to wells MW-26 and TW4-20. Field Personnel returned the following week and collected the measurements after the power had been restored. During both the February 7, 2011 and the February 14, 2011 weekly depth to water and flow measurements it was noted by Field Personnel that the flow from the pump was slow. Repeat daily inspections on February 15, 2011 and February 16, 2011 indicated there was a potential issue with the pump. On February 16, 2011 the pump was replaced and the sealant on electrical connections was allowed to set. On February 17, 2011 the new pump was turned on but would not run for more than a few seconds. Upon observing that the new pump was not performing properly on February 17, 2011, the Mill environmental personnel removed and inspected the pump and discharge hose, noting that the hose as well as the new pump were now plugged with fines from the underground formation. New, larger tubing was ordered for the pump and the well was surged and bailed on February 21, 2011 by a drilling subcontractor. The well was repaired and put back into operation by 3:00pm on Monday February 21, 2011. Detailed descriptions of this incident are included in the notification letter from DUSA to UDEQ dated February 22, 2011.

5.4.5 TW4-4

Approximately 73,360 gallons were pumped from TW4-4 during the quarter. The average flow rate, when the pump was pumping, was 7.9 gpm. The well is not pumping continuously, but is set on a water elevation device. When the water reaches a set point, the pump turns on until the water level drops to another set point. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

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 below, indicating that a total of 554.3 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 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 an inspection form. An example of the form as well as completed reports for the quarter 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

Water was added to the upper and lower wildlife diversion ponds during the quarter. The middle wildlife pond had no water added and is dry at this time.

6.0 CORRECTIVE ACTION REPORT

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

6.1 Rinsate Blank Sample Nitrate Levels

Identification and Definition of the Problem

Rinsate Nitrate Levels

DI water used for decontamination does not show the presence of nitrate. Contamination does not appear to be related to the nitrate presence in the preceding well that was purged. Rinsate blank samples following high concentration wells appear to be the same as rinsate blank samples following low concentration wells. Rinsate blank samples following purging of uncontaminated wells appear to also be contaminated with nitrate. Presence of nitrate in the rinsate blank samples is not consistent from one sampling event to the next.

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 Blank Sample Nitrate Levels

To address the nitrate contamination, DUSA has investigated the potential sources of nitrate contamination. Nitrile gloves were removed from the rinsate collection process to eliminate the potential for mobilizing nitrogen compounds present in nitrile gloves (possibly caused by leaching of nitrogen from the gloves by the nitric acid). In an effort to address the nitrate contamination, DUSA has reviewed the entire rinsate collection process and has made additional changes in an attempt to eliminate the source of the nitrate in the rinsate sample blanks. These additional changes are discussed below.

In addition, DUSA has requested in the revised QAP, submitted June 4, 2010, the removal of the nitric acid rinse step when samples are not collected for heavy metals, which will effectively remove the source of nitrate. DUSA will proceed with the removal of that step only upon approval of the QAP revision.

Determination of a Corrective Action to Eliminate the Problem

Rinsate Blank Sample Nitrate Levels

The nitrate source is most likely the nitric acid rinse used during decontamination procedures; however, additional conditions which may be contributing to the nitrate detections in the rinsate blank samples are being investigated. The additional items for investigation last quarter included replacement of all of the non-stainless steel portions of the purging equipment including the pump tubing and connectors. Based on low level detections this quarter, the replacement of the non-stainless steel portions of the sample train was not successful. Additional corrective actions to be implemented as a result of this quarter's exceedances includes the addition of an additional DI rinse to the decontamination process. Currently, the decontamination process is to pump 50 gallons of nitric acid, followed by pumping 50 gallons of soap/DI water and lastly pumping 50 gallons of DI water. During the Q2 2011 event a second 50 gallon rinse with DI water will be added. The rinsate blank will be collected from the second DI rinsate water after the second 50 gallons of DI are pumped.

Assigning and Accepting Responsibility for Implementing the Corrective Action

Rinsate Blank Sample Nitrate 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 Blank Sample Nitrate Levels

Nitrate sources will be removed after the removal of the nitric acid rinse from the decontamination procedure when heavy metals are not collected (assuming requisite changes to the QAP submitted June 4, 2010 are approved by the Executive Secretary). Additive effects from the nitric acid in the decontamination/rinsate procedure will be evaluated. To eliminate the cross contamination of the DI water from the nitric acid an additional rinse of the pump will be conducted.

Verifying That the Corrective Action Has Eliminated the Problem

Verification of the contribution from the purging equipment will be completed after the second quarter 2011 samples have been collected using the decontamination process and the data have been reviewed. If nitrate contamination persists then additional sources will be researched and the investigation will continue. Removal of the nitric acid from the decontamination procedure will be completed after the Executive Secretary's approval of the June 4, 2010 QAP revision is received.

6.2 Assessment of Previous Quarter's Corrective Actions

The fourth quarter 2010 report identified corrective actions for nitrate contamination in the rinsate blank samples. Nitrate contamination continues to be present in the rinsate blank samples and the investigation to determine the source of nitrate and the associated corrective actions are described above.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour maps for the first quarter, 2011 indicate that effective capture of water containing high chloroform concentrations is occurring in the vicinity of pumping wells MW-4, MW-26, TW4-19, and TW4-20. TW4-4 has apparently not been pumped long enough for a well-defined capture zone to develop in the vicinity of this well. Furthermore, the capture zone associated with TW4-4 may be less apparent because of the low water level at adjacent well TW4-14. However, decreases in chloroform concentrations at TW4-6 and TW4-26, located downgradient of TW4-4, are likely related to TW4-4 pumping.

First quarter, 2011 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 TW4-6, TW4-10, TW4-11, MW-26, TW4-16, TW4-18, TW4-19, TW4-20, TW4-22, and TW4-24, and TW4-26; the concentration in well TW4-16 increased from 3 µg/L to 15 µg/L and the concentration in well TW4-24 increased from 1.4 µg/L to 1.8 µg/L.

Of the wells showing changes in concentration greater than 20%, MW-26, TW4-19, and TW4-20 are pumping wells. TW4-6 is located adjacent to pumping well TW4-4; TW4-10 and TW4-16 are located adjacent to pumping well MW-26; TW4-11 is located between pumping wells MW-4 and MW-26; TW4-18 is located adjacent to pumping well TW4-19; and TW4-22 is located adjacent to pumping well TW4-20. Fluctuations in concentrations at pumping wells and wells adjacent to pumping wells likely results in part from changes in pumping. Fluctuations in concentration at well TW4-16, located immediately downgradient of the chloroform plume, likely result from slight expansion and contraction of the chloroform plume boundaries in response to changes in upgradient pumping. Between the current and previous quarters, the concentration in TW4-26, which is the most downgradient temporary well, decreased from 5.4 µg/L to 2 µg/L.

The highest chloroform concentration was detected at pumping well TW4-20. Between the current and previous quarters, the chloroform concentration in TW4-20 increased from 24,000 µg/L to 31,000 µg/L, the concentration in adjacent pumping well TW4-19 increased from 1,200 µg/L to 3,400 µg/L, the concentration in nearby well TW4-21 increased slightly from 200 to 230 µg/L, and the concentration in nearby well TW4-22 increased from 340 µg/L to 1,300 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 TW4-25, and was detected at a concentration of 1.8 µg/L at TW4-24.

The chloroform concentration at well TW4-6 decreased substantially from 430 µg/L to 47 µg/L since last quarter, placing the well outside the chloroform plume boundary. TW4-6 remained outside the plume between installation in the second quarter of 2000 and the fourth quarter of 2008. Although fluctuations in concentrations have occurred, this well 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. Decreases in concentrations at TW4-6 and TW4-26 since the last quarter are likely the result of upgradient pumping, in particular pumping at TW4-4. Chloroform remained non-detect at downgradient temporary well TW4-23. TW4-23 and TW4-6 (with a chloroform concentration of 47 µg/L) bound the chloroform plume to the south.

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 1,000 µg/L to 47 µg/L since the first quarter of 2010 is likely related to pumping at TW4-4.

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 20, 2011.

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.

Tables

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-4	2/23/2011	3/11/2011
TW4-1	2/24/2011	3/11/2011
TW4-1R	2/23/2011	3/11/2011
TW4-2	2/24/2011	3/11/2011
TW4-3	2/15/2011	3/9/2011
TW4-3R	2/14/2011	3/9/2011
TW4-4	2/23/2011	3/11/2011
TW4-5	2/22/2011	3/11/2011
TW4-6	2/23/2011	3/11/2011
TW4-7	2/23/2011	3/11/2011
TW4-8	2/16/2011	3/9/2011
TW4-9	2/17/2011	3/9/2011
TW4-9R	2/16/2011	3/9/2011
TW4-10	2/23/2011	3/11/2011
TW4-11	2/23/2011	3/11/2011
TW4-12	2/15/2011	3/9/2011
TW4-13	2/15/2011	3/9/2011
TW4-14	2/15/2011	3/9/2011
TW4-15	2/23/2011	3/11/2011
TW4-16	2/22/2011	3/11/2011
TW4-16R	2/21/2011	3/11/2011
TW4-17	2/23/2011	3/11/2011
TW4-18	2/22/2011	3/11/2011
TW4-19	2/17/2011	3/9/2011
TW4-20	2/23/2011	3/11/2011
TW4-21	2/22/2011	3/11/2011
TW4-22	2/23/2011	3/11/2011
TW4-22R	2/22/2011	3/11/2011
TW4-23	2/16/2011	3/9/2011
TW4-23R	2/15/2011	3/9/2011
TW4-24	2/17/2011	3/9/2011
TW4-25	2/16/2011	3/9/2011
TW4-26	2/22/2011	3/11/2011
TW4-60	2/23/2011	3/11/2011
TW4-65	2/17/2011	3/9/2011
TW4-70	2/23/2011	3/11/2011

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 TW4-24, and TW4-70 is a duplicate of TW4-11

Highlighted wells are continuously pumped

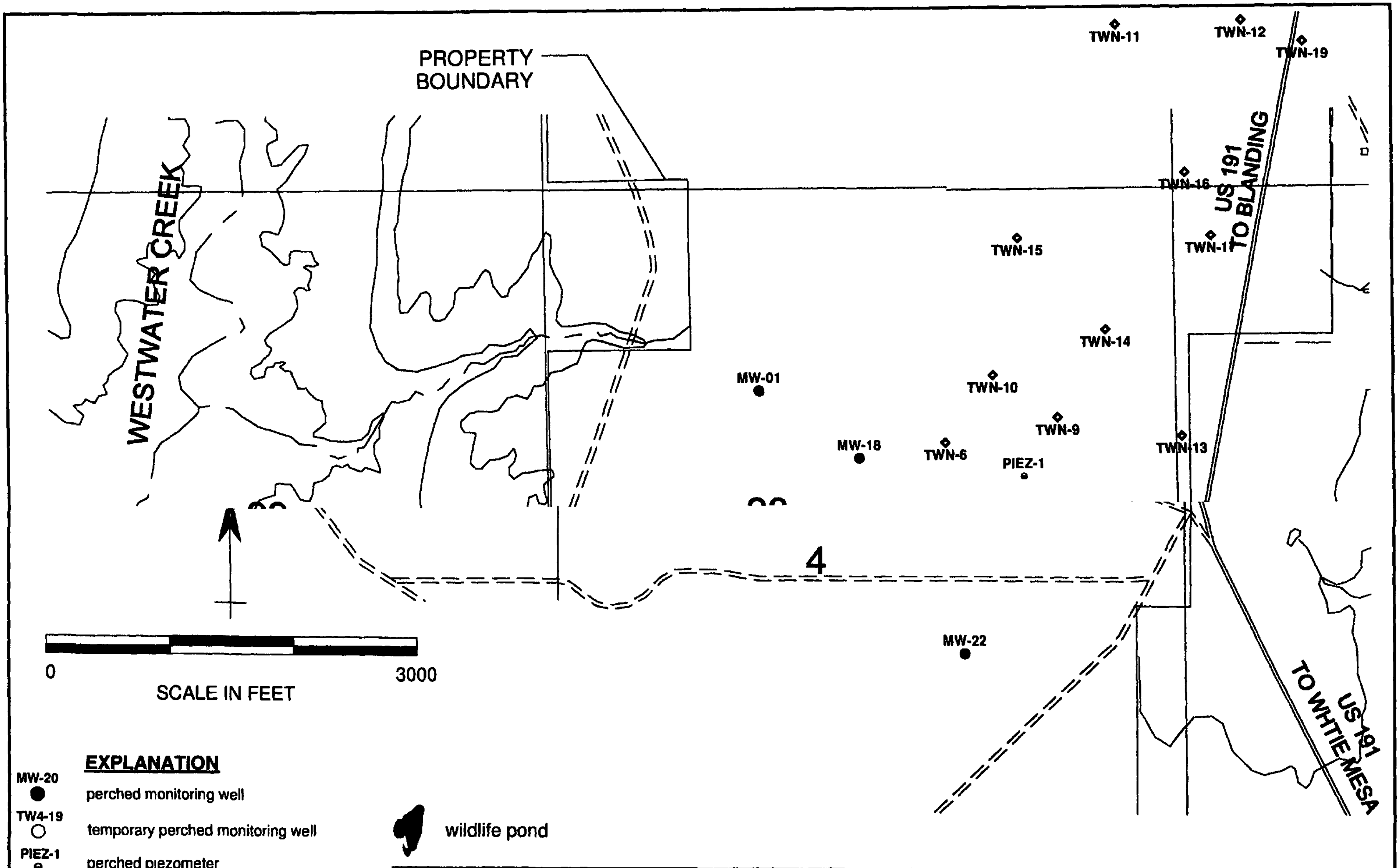
Table 2 Chloroform Mass Removal Per Well Per Quarter

Quarter	**MW-4**	**TW4-15**	**TW4-19**	**TW4-20**	**TW4-4**	**Quarter Totals**
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
Well Totals (pounds)	67.1	21.0	256.6	180.8	4.0	**554.3**

INDEX OF TABS

Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

MW-20 ●	perched monitoring well
TW4-19 ○	temporary perched monitoring well
PIEZ-1 ●	perched piezometer
TWN-1 ◆	temporary perched nitrate monitoring well
TW4-26 ✲	temporary perched monitoring well installed May, 2010
MW-34 ✧	perched monitoring well installed August/September, 2010

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SITE PLAN AND PERCHED WELL LOCATIONS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q1 2011	H:/718000/may11/welloc10.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): MW-4

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011 and Sampling (if different)

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-2

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 124

Depth to Water Before Purging 69.52

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

Conductance (avg) 1798

pH of Water (avg) 6.91

Well Water Temp. (avg) 15.14

Redox Potential (Eh) 388

Turbidity 0

Weather Cond. Sunny

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

Time 1254 Gal. Purged
Conductance 1798 pH 6.91
Temp. °C 15.14
Redox Potential Eh (mV) 388
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)

Volume of Water Purged: O gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two):

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1245. Garrin and Ryan S. present for sampling event. Samples were collected at 1255. Water was mostly clear.
Left site at 1301.

Samples were taken from A continous pumping well.

Do not touch this cell (SheetName)

DENISON MINES

Attachment 1
See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-1

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011 and Sampling (if different) 2/24/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-7

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 110

Depth to Water Before Purging 63.54

Casing Volume (V) 4" Well: 30.32 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1977

pH of Water (avg) 6.34

Well Water Temp. (avg) 13.18

Redox Potential (Eh) 405

Turbidity 202.6

Weather Cond. Sunny

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

Time	1052	Gal. Purged	17
Conductance	2101	pH	6.38
Temp. °C	12.43		
Redox Potential Eh (mV)	407		
Turbidity (NTU)	230.4		

Time	1053	Gal. Purged	34
Conductance	2013	pH	6.33
Temp. °C	13.61		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	136.7		

Time	1054	Gal. Purged	51
Conductance	1819	pH	6.32
Temp. °C	13.00		
Redox Potential Eh (mV)	404		
Turbidity (NTU)	240.9		

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

Volume of Water Purged 59.16 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.56

Number of casing volumes evacuated (if other than two) 1.45

If well evacuated to dryness, number of gallons evacuated 59.16

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1030. Garrin and Ryan S. present for purge. Purge began at 1051. Pump ran for 3 minutes and 48 seconds. Well ran dry. Water was mostly clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 1103.
Arrived on site at 0752. Garrin, Tanner and Ryan S. present for sampling. Samples were collected at 0800. Depth to water before sampling was 63.62. Left site at 0802.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-1R

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/23/2011 and Sampling (if different)

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-7

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging N/A

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

3" Well: 0 (.367h)

Conductance (avg) 14.8

pH of Water (avg) 4.74

Well Water Temp. (avg) 9.81

Redox Potential (Eh) 460

Turbidity 0

Weather Cond. Sunny

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

Time	0950	Gal. Purged	150
Conductance	14.8	pH	4.74
Temp. °C	9.81		
Redox Potential Eh (mV)	460		
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)			

Volume of Water Purged: 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

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

Number of casing volumes evacuated (if other than two):

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 0930. Garrin and Ryan S. present for rinsate. Rinsate began at 0941. Pumped 50 Gallons of Acid water, 50 Gallons of Soap water and 50 Gallons of D.I. water. Samples were collected 0950. Left site at 1015.

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DENISON MINES

Attachment 1
See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-2

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011 and Sampling (if different) 2/24/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-1

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 120

Depth to Water Before Purging 66.77

Casing Volume (V) 4" Well: 34.74 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2317

pH of Water (avg) 6.49

Well Water Temp. (avg) 13.74

Redox Potential (Eh) 356

Turbidity 49.1

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 3°C

Time	1221	Gal. Purged	17
Conductance	2342	pH	7.16
Temp. °C	13.51		
Redox Potential Eh (mV)	358		
Turbidity (NTU)	50.3		

Time	1222	Gal. Purged	34
Conductance	2292	pH	6.82
Temp. °C	13.97		
Redox Potential Eh (mV)	354		
Turbidity (NTU)	48.0		

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)			

Volume of Water Purged 40.8 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.08

Number of casing volumes evacuated (if other than two) 1.17

If well evacuated to dryness, number of gallons evacuated 40.8

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1212. Garrin and Ryan S. present for purge. Purge began at 1223. Pump ran for 2 minutes and 40 seconds. Well ran dry. Water was clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 1236.
Arrived on site at 0808. Garrin, Tanner and Ryan S. all present for sampling. Depth to wate before samples was 66.81. Samples were collected at 0815. Left site at 0817.

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DENISON MINES

Attachment 1
See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-3

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/14/2011

and Sampling (if different) 02/15/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-3R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 141

Depth to Water Before Purging 49.41

Casing Volume (V) 4" Well: 59.78 (.653h)
3" Well: N/A (.367h)

Conductance (avg) 1586

pH of Water (avg) 6.92

Well Water Temp. (avg) 13.89

Redox Potential (Eh) 404

Turbidity 9.3

Weather Cond. Sunny

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

Time	1055	Gal. Purged	34
Conductance	1673	pH	7.00
Temp. °C	13.47		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	18.1		

Time	1056	Gal. Purged	51
Conductance	1555	pH	6.89
Temp. °C	13.87		
Redox Potential Eh (mV)	397		
Turbidity (NTU)	7.9		

Time	1057	Gal. Purged	68
Conductance	1530	pH	6.87
Temp. °C	13.84		
Redox Potential Eh (mV)	412		
Turbidity (NTU)	2.1		

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

Volume of Water Purged 77.01 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = [illegible] 7.03

Number of casing volumes evacuated (if other than two) 1.28

If well evacuated to dryness, number of gallons evacuated 77.01

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1031. Garrin and Ryan S. present for purge and Sampling event. Purge began at 1053. Pump ran for 4 minutes and 53 Seconds. Well ran dry. Water was clear throughout purge. Left site at 1106. Parameters were taken from overpumping field sheet.
Arrived on site at 1305. Garrin, Tanner and Ryan S. all present for sampling Depth to water was 49.26. Samples were taken at 1310. Left site at 1315.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2011

Location (well name): TW4-3R

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/14/2011 and Sampling (if different)

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 N/A

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging N/A

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

Conductance (avg) 11.2

pH of Water (avg) 7.9

Well Water Temp. (avg) 13.89

Redox Potential (Eh) 299

Turbidity 0

Weather Cond. Sunny

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

Time	1000	Gal. Purged	150
Conductance	11.2	pH	7.9
Temp. °C	13.89		
Redox Potential Eh (mV)	299		
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)			

Volume of Water Purged: 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm. S/60 = 17

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

Number of casing volumes evacuated (if other than two): N/A

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0940. Garrin and Ryan S. Present for rinsate. Rinsate began at 0951. Pumped 50 Gallons of Acid water, 50 Gallons of Soap water, and 50 Gallons of D.I. Water. Samples were collected at 1000. Left site at 1015.

Do not touch this cell (SheetName)

DENISON MINES

Attachment 1
See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-4

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011

and Sampling (if different)

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-15

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/cm

Well Depth(0.01ft): 112

Depth to Water Before Purging 69.32

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

3" Well: 0 (.367h)

Conductance (avg) 2311

pH of Water (avg) 6.65

Well Water Temp. (avg) 16.03

Redox Potential (Eh) 251

Turbidity 15.6

Weather Cond. Sunny

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

Time 1349

Gal. Purged

Conductance 2311

pH 6.65

Temp. °C 16.03

Redox Potential Eh (mV) 251

Turbidity (NTU) 15.6

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 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1340. Garrin and Ryan S. present for sampling event. Samples were collected at 1350. Left site at 1352. Water had tiny red particles, color looked to be normal of water.
Continous pumping well.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-5

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/21/2011 and Sampling (if different) 2/22/2011

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 µMHOS/ cm

Well Depth(0.01ft): [redacted] 120

Depth to Water Before Purging 56.59

Casing Volume (V) 4" Well: [redacted] 41.39 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1394

pH of Water (avg) 6.60

Well Water Temp. (avg) 14.36

Redox Potential (Eh) 351

Turbidity 26.1

Weather Cond. Cloudy

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

Time 1050 Gal. Purged 187
Conductance 1409 pH 6.61
Temp. °C 14.34
Redox Potential Eh (mV) 356
Turbidity (NTU) 16.6

Time 1051 Gal. Purged 204
Conductance 1400 pH 6.61
Temp. °C 14.38
Redox Potential Eh (mV) 353
Turbidity (NTU) 29.8

Time 1052 Gal. Purged 221
Conductance 1389 pH 6.61
Temp. °C 14.38
Redox Potential Eh (mV) 350
Turbidity (NTU) 29.1

Time 1053 Gal. Purged 238
Conductance 1381 pH 6.60
Temp. °C 14.36
Redox Potential Eh (mV) 348
Turbidity (NTU) 29.1

Volume of Water Purged 241.74 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = [redacted] 4.86

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1021. Garrin and Ryan S. present for purge. Purge began at 1039. Pump ran for 14 minutes and 22 seconds. Water was clear throughout purge. Depth to water after purge was 57.55. Parameters were copied from the overpumping field sheet. Left site at 1105.

Arrived on site at 0811. Garrin and Ryan S. present for sampling event. Depth to water before samples were collected was 56.67. Samples were collected at 0817. Left site at 0822.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-6

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging: 2/22/2011

and Sampling (if different): 2/23/2011

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 µMHOS/ cm

Well Depth(0.01ft): 97.5

Depth to Water Before Purging: 75.30

Casing Volume (V) 4" Well: 14.49 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3565

pH of Water (avg): 6.83

Well Water Temp. (avg): 13.69

Redox Potential (Eh): 381

Turbidity: 288

Weather Cond.: Sunny

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

Time	1155	Gal. Purged	17
Conductance	3649	pH	7.02
Temp. °C	13.60		
Redox Potential Eh (mV)	385		
Turbidity (NTU)	224.0		

Time	1156	Gal. Purged	34
Conductance	3482	pH	6.64
Temp. °C	13.79		
Redox Potential Eh (mV)	378		
Turbidity (NTU)	352.0		

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)			

Volume of Water Purged 35.02 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.70

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated 35.02

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1140. Garrin and Ryan S. present for purge. Purge began at 1154. Pump ran for 2 minutes and 6 seconds. Well ran dry. Water was slightly murky during purge. Parameters were copied from the overpumping field sheet. Left site at 1202.

Arrived on site at 0749. Garrin and Ryan S. present for sampling event. Depth to wate before samples were collected was 79.10. Samples were collected at 0800. Left site at 0802.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-7

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/22/2011 and Sampling (if different) 2/23/2011

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 μMHOS/ cm

Well Depth(0.01ft): 120

Depth to Water Before Purging 66.70

Casing Volume (V) 4" Well: 34.79 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1915

pH of Water (avg) 6.96

Well Water Temp. (avg) 14.09

Redox Potential (Eh) 272

Turbidity 69.4

Weather Cond. Sunny

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

Time	[redacted] 1417	Gal. Purged	[redacted] 17
Conductance	2382	pH	6.95
Temp. °C	13.92		
Redox Potential Eh (mV)	272		
Turbidity (NTU)	110.4		

Time	[redacted] 1418	Gal. Purged	[redacted] 34
Conductance	1982	pH	6.94
Temp. °C	14.16		
Redox Potential Eh (mV)	269		
Turbidity (NTU)	54.5		

Time	1419	Gal. Purged	51
Conductance	1381	pH	7.01
Temp. °C	14.21		
Redox Potential Eh (mV)	276		
Turbidity (NTU)	43.3		

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

Volume of Water Purged 60.01 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.09

Number of casing volumes evacuated (if other than two) 1.72

If well evacuated to dryness, number of gallons evacuated 60.01

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1405. Garrin and Ryan S. present for purge. Purge began at 1416. Pump ran for 3 minutes and 53 seconds. Well ran dry. Water was mostly clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 1431.
Arrived on site at 0856. Garrin and Ryan S. present for sampling event. Depth to water before samples were collected was 67.57.
Samples were collected at 0900. Left site at 0905.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): [redacted] TW4-8

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 02/15/2011

and Sampling (if different)

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event [redacted] TW4-25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 125

Depth to Water Before Purging 66.34

Casing Volume (V) 4" Well: 38.29 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3220

pH of Water (avg) 6.97

Well Water Temp. (avg) 14.28

Redox Potential (Eh) 170

Turbidity 213.1

Weather Cond. Sunny

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

Time	1055	Gal. Purged	204
Conductance	3227	pH	6.96
Temp. °C	14.31		
Redox Potential Eh (mV)	169		
Turbidity (NTU)	316.6		

Time	1056	Gal. Purged	221
Conductance	3222	pH	6.98
Temp. °C	14.33		
Redox Potential Eh (mV)	170		
Turbidity (NTU)	228.3		

Time	1057	Gal. Purged	238
Conductance	3213	pH	6.98
Temp. °C	14.29		
Redox Potential Eh (mV)	171		
Turbidity (NTU)	156.1		

Time	1058	Gal. Purged	255
Conductance	3218	pH	6.99
Temp. °C	14.20		
Redox Potential Eh (mV)	171		
Turbidity (NTU)	151.5		

Volume of Water Purged 256.87 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.50

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1034. Garrin and Ryan S. on site for purge. Purge began at 1043. Pump ran for 15 minutes and 11 seconds. Depth to water after purge was 103.60. Water was murky and a light green color. water cleared towards the end of the purge. Parameters were copied from the overpumping field sheet.
Arrived on site at 1030. Garrin and Ryan S. present for sampling event.
Depth to water before samples were collected was 67.09
Samples were collected at 1040. Left site at 1045.

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Attachment 1
See instruction

DENISON MINES

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): ~~TWN-9~~ TW4-9

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 02/16/2011 and Sampling (if different) 02/17/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-8 ~~TWN-8~~

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 120

Depth to Water Before Purging 54.43

Casing Volume (V) 4" Well: 42.80 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2424

pH of Water (avg) 6.64

Well Water Temp. (avg) 14.46

Redox Potential (Eh) 245

Turbidity 432

Weather Cond. Sunny

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

Time	1328	Gal. Purged	204
Conductance	2423	pH	6.64
Temp. °C	14.44		
Redox Potential Eh (mV)	251		
Turbidity (NTU)	641		

Time	1329	Gal. Purged	221
Conductance	2426	pH	6.64
Temp. °C	14.49		
Redox Potential Eh (mV)	247		
Turbidity (NTU)	378		

Time	1330	Gal. Purged	238
Conductance	2423	pH	6.66
Temp. °C	14.49		
Redox Potential Eh (mV)	244		
Turbidity (NTU)	363		

Time	1331	Gal. Purged	255
Conductance	2424	pH	6.64
Temp. °C	14.45		
Redox Potential Eh (mV)	241		
Turbidity (NTU)	349		

Volume of Water Purged 257.21 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.03

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1255. Garrin and Ryan S. present for purge. Purge began at 1316. Pump ran for 15 minutes and 13 seconds. Water was murky to start purge and cleared throughout purge. Parameters were copied from the overpumping field sheet. Depth to water after purge was 87.75. Left site at 1338.
Arrived on site at 0735. Garrin, Tanner, and Ryan S. present for sampling event. Depth to water before samples were collected was 54.56. Samples were collected at 0740. Left site at 0744.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-9R

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 02/16/2011 and Sampling (if different)

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-8

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging N/A

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

3" Well: 0 (.367h)

Conductance (avg) 10.5

pH of Water (avg) 7.99

Well Water Temp. (avg) 13.04

Redox Potential (Eh) 249

Turbidity 0

Weather Cond. Sunny

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

Time	1153	Gal. Purged	150
Conductance	10.5	pH	7.99
Temp. °C	13.04		
Redox Potential Eh (mV)	249		
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)			

Volume of Water Purged 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

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

Number of casing volumes evacuated (if other than two) N/A

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1140. Garrin and Ryan S. present for rinsate. Rinsate began at 1144. Pumped 50 Gallons of Acid water, 50 Gallons of soap water, and 50 Gallons of D.I. water. Parameters were taken and samples were collected at 1153. Left site at 1200

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-10

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/22/2011 and Sampling (if different) 2/23/2011

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 µMHOS/ cm

Well Depth(0.01ft): 113

Depth to Water Before Purging 56.59

Casing Volume (V) 4" Well: 36.82 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2194

pH of Water (avg) 6.32

Well Water Temp. (avg) 14.47

Redox Potential (Eh) 380

Turbidity 43.8

Weather Cond. Sunny

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

Time	1332	Gal. Purged	34
Conductance	2194	pH	6.32
Temp. °C	14.47		
Redox Potential Eh (mV)	380		
Turbidity (NTU)	43.8		

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 40.8 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.33

Number of casing volumes evacuated (if other than two) 1.10

If well evacuated to dryness, number of gallons evacuated 40.8

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1319. Garrin and Ryan S. present for purge. Purge began at 1330. Pump ran for 2 minutes and 40 seconds. Well ran dry, water was clear throughout purge. Left site at 1337. Parameters were copied from the overpumping field sheet.
Arrived on site at 0834. Garrin and Ryan S. present for sampling event.
Depth to water before samples were collected was 56.82
Samples were collected at 0840. Left site at 0845.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: [redacted] 1st Quarter Chloroform 2011

Location (well name): TW4-11

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/22/2011

and Sampling (if different) 2/23/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-6

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 100

Depth to Water Before Purging 58.74

Casing Volume (V) 4" Well: 26.93 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1573

pH of Water (avg) 6.92

Well Water Temp. (avg) 13.94

Redox Potential (Eh) 333

Turbidity 23.5

Weather Cond. Sunny

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

Time	1243	Gal. Purged	34
Conductance	1619	pH	6.96
Temp. °C	13.94		
Redox Potential Eh (mV)	329		
Turbidity (NTU)	14.8		

Time	1244	Gal. Purged	51
Conductance	1528	pH	6.88
Temp. °C	13.95		
Redox Potential Eh (mV)	337		
Turbidity (NTU)	32.2		

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)			

Volume of Water Purged 58.82 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.16

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated 58.82

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1231. Garrin and Ryan S. present for purge. Purge began at 1241. Water was clear throughout purge. Well ran dry. Pump ran for 3 minutes and 46 seconds. Parameters were copied from the overpumping field sheet. Left site at 1250.
Arrived on site at 0819. Depth to water before samples were collected was 58.55. Samples were collected at 0825. Left site at 0829.

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DENISON MINES

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

Attachment 1

See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-12

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/14/2011 and Sampling (if different) 02/15/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-3

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 101.5

Depth to Water Before Purging 39.28

Casing Volume (V) 4" Well: 40.61 (.653h)
3" Well: N/A (.367h)

Conductance (avg) 900

pH of Water (avg) 7.16

Well Water Temp. (avg) 14.56

Redox Potential (Eh) 231

Turbidity [redacted] 1315

Weather Cond. Sunny

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

Time	1241	Gal. Purged	187
Conductance	901	pH	7.19
Temp. °C	14.59		
Redox Potential Eh (mV)	233		
Turbidity (NTU)	1267		

Time	1242	Gal. Purged	204
Conductance	901	pH	7.17
Temp. °C	14.52		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	1578		

Time	1243	Gal. Purged	221
Conductance	901	pH	7.15
Temp. °C	14.56		
Redox Potential Eh (mV)	230		
Turbidity (NTU)	1264		

Time	1244	Gal. Purged	238
Conductance	899	pH	7.14
Temp. °C	14.57		
Redox Potential Eh (mV)	229		
Turbidity (NTU)	1154		

Volume of Water Purged 240.38 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = ~~[illegible]~~ 4.77

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1219. Garrin and Ryan S. present for purge and sampling event. Purge began at 1230. Pump ran for 14 minutes and 14 Seconds. Depth to water after purge was 82.90. Water was clear throughout Purge. Parameters were taken from overpumping field Sheet. Left site at 1251.
Arrived on site at 1322. Garrin, Tanner and Ryan S. all on site for sampling event. Depth to water was 39.17. Samples were taken at 1325. Left at 1330.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-13

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/14/2011 and Sampling (if different) 02/15/2011

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 µMHOS/ cm

Well Depth(0.01ft): 102.5

Depth to Water Before Purging 46.66

Casing Volume (V) 4" Well: 36.45 (.653h)
3" Well: (.367h)

Conductance (avg) 1324

pH of Water (avg) 7.08

Well Water Temp. (avg) 14.56

Redox Potential (Eh) 257

Turbidity 11.0

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 3°C

Time	1333	Gal. Purged	34
Conductance	1324	pH	7.08
Temp. °C	14.56		
Redox Potential Eh (mV)	257		
Turbidity (NTU)	11.0		

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)			

Volume of Water Purged 39.44 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.28

Number of casing volumes evacuated (if other than two) 1.08

If well evacuated to dryness, number of gallons evacuated 39.44

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1321. Garrin and Ryan S. Present for purge and Sampling event. Purge began at 1331. Pump ran for 2 minutes and 32 seconds. Well ran dry. Parameters were copied from the overpumping field Sheet. Water was clear throughout purge. Left site at 1340.
Arrived on site at 1331. Garrin, Tanner and Ryan S. all present for Sampling event. Depth to water was 46.53. Samples were collected at 1336. Left site at 1340.

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Attachment 1
See instruction

DENISON MINES

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

Description of Sampling Event: 1ST Quarter Chloroform 2011

Location (well name): TW4-14

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging: 2-14-2011

and Sampling (if different): 2-15-2011

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 µMHOS/ cm

Well Depth(0.01ft): 93.00

Depth to Water Before Purging: 88.01

Casing Volume (V) 4" Well: 3.25 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2997

pH of Water (avg): 7.99

Well Water Temp. (avg): 14.97

Redox Potential (Eh): 150

Turbidity: 785

Weather Cond.: Sunny

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

Time: 1432
Gal. Purged: 2
Conductance: 2997
pH: 7.99
Temp. °C: 14.97
Redox Potential Eh (mV): 150
Turbidity (NTU): 785.0

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):

Volume of Water Purged 2.55 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = .38

Number of casing volumes evacuated (if other than two) .78

If well evacuated to dryness, number of gallons evacuated 2.55

Name of Certified Analytical Laboratory if Other Than Energy Lab n/a

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1420. Garrin Palmer and Ryan S present to purge well
Purge began at 1432. Purged Well for a total of 9 seconds. Well Ran dry.
Water was mostly clear throughout purge. Purge ended at 1432.
Left site at 1443. Parameters Were taken from over-pumping field sheet.
Arrived on site at . Tanner, Garrin, and Ryan are present to collect samples.
Depth To water before samples were collected was 87.49.
samples bailed at 1346. Left site at 1352.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-15

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011 and Sampling (if different)

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-4

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 122.5

Depth to Water Before Purging 75.68

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

Conductance (avg) 3379

pH of Water (avg) 6.71

Well Water Temp. (avg) 14.84

Redox Potential (Eh) 292

Turbidity 0

Weather Cond. Sunny

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

Time	1329	Gal. Purged	
Conductance	3379	pH	6.71
Temp. °C	14.84		
Redox Potential Eh (mV)	292		
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)			

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two):

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1320. Garrin and Ryan S. Present for Sampling event. Samples were collected at 1330. Water was clear. Left site at 1334.

Continous pumping well.

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Attachment 1
See instruction

DENISON MINES

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-16

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/21/2011

and Sampling (if different) 2/22/2011

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 µMHOS/ cm

Well Depth(0.01ft): 142

Depth to Water Before Purging 64.59

Casing Volume (V) 4" Well: 50.53 (.653h)
3" Well: (.367h)

Conductance (avg) 3695

pH of Water (avg) 6.60

Well Water Temp. (avg) 12.39

Redox Potential (Eh) 378

Turbidity 88.6

Weather Cond. Partly cloudy

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

Time	0845	Gal. Purged	34
Conductance	3875	pH	6.60
Temp. °C	12.17		
Redox Potential Eh (mV)	400		
Turbidity (NTU)	32.3		

Time	0846	Gal. Purged	51
Conductance	3660	pH	6.58
Temp. °C	12.18		
Redox Potential Eh (mV)	385		
Turbidity (NTU)	143.2		

Time	0848	Gal. Purged	85
Conductance	3550	pH	6.63
Temp. °C	12.85		
Redox Potential Eh (mV)	350		
Turbidity (NTU)	90.5		

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

Volume of Water Purged 92.14 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.94

Number of casing volumes evacuated (if other than two) 1.82

If well evacuated to dryness, number of gallons evacuated 92.14

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0824. Garrin and Ryan S. present for purge. Purge began at 0843. Pump ran for 5 minutes and 42 seconds. Well ran dry. Water started out clear and turned light brown towards the end of the purge. Parameters were copied from the overpumping field sheet. Left site at 0900.

Arrived on site at 0738. Garrin and Ryan S. present for sampling. Depth to water before samples were collected was 64.65 Samples were collected at 0745. Left site at 0749.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2011

Location (well name): TW4-16R

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/21/2011

and Sampling (if different)

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 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging N/A

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

Conductance (avg) 18.5

pH of Water (avg) 4.89

Well Water Temp. (avg) 5.24

Redox Potential (Eh) 480

Turbidity 0

Weather Cond. Partly cloudy

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

Time	0759	Gal. Purged	150
Conductance	18.5	pH	4.89
Temp. °C	5.24		
Redox Potential Eh (mV)	480		
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)			

Volume of Water Purged 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0740. Garrin and Ryan S. present for rinsate. Rinsate began at 0750. Pumped 50 Gallons of Acid water, 50 Gallons of Soap water and 50 Gallons of D.I. water. Samples were collected at 0759. Left site at 0805.

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DENISON MINES

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): TW4-17

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 2/23/2011

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

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 132.5

Depth to Water Before Purging 76.01

Casing Volume (V) 4" Well: 36.88 (.653h)

3" Well: 0 (.367h)

Conductance (avg) 4057

pH of Water (avg) 6.17

Well Water Temp. (avg) 14.11

Redox Potential (Eh) 104

Turbidity 5.7

Weather Cond. Sunny

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

Time	1335	Gal. Purged	77.03
Conductance	4059	pH	6.17
Temp. °C	14.11		
Redox Potential Eh (mV)	107		
Turbidity (NTU)	5.7		

Time	1336	Gal. Purged	77.25
Conductance	4056	pH	6.17
Temp. °C	14.12		
Redox Potential Eh (mV)	104		
Turbidity (NTU)	5.6		

Time	1337	Gal. Purged	77.46
Conductance	4057	pH	6.17
Temp. °C	14.11		
Redox Potential Eh (mV)	104		
Turbidity (NTU)	5.7		

Time	1338	Gal. Purged	77.68
Conductance	4057	pH	6.17
Temp. °C	14.10		
Redox Potential Eh (mV)	103		
Turbidity (NTU)	5.7		

Volume of Water Purged 78.12 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 339.98

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 N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0730. Tanner Holliday present to purge and sample TW4-17. Purge began at 0740. Purged well for a total of 360 Minutes Water had very little coloration. Purge ended and samples were collected at 1340. Left site at 1348. Depth To Water was 82.81

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2011

Location (well name): TW4-18

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/21/2011 and Sampling (if different) 2/22/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-5

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 137.5

Depth to Water Before Purging 57.18

Casing Volume (V) 4" Well: 52.43 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1351

pH of Water (avg) 6.44

Well Water Temp. (avg) 14.81

Redox Potential (Eh) 310

Turbidity 15.92

Weather Cond. Cloudy

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

Time 1203 Gal. Purged 204
Conductance 1377 pH 6.45
Temp. °C 14.74
Redox Potential Eh (mV) 313
Turbidity (NTU) 25.2

Time 1204 Gal. Purged 221
Conductance 1356 pH 6.44
Temp. °C 14.83
Redox Potential Eh (mV) 311
Turbidity (NTU) 13.2

Time 1205 Gal. Purged 238
Conductance 1341 pH 6.45
Temp. °C 14.85
Redox Potential Eh (mV) 309
Turbidity (NTU) 12.9

Time 1206 Gal. Purged 255
Conductance 1331 pH 6.44
Temp. °C 14.83
Redox Potential Eh (mV) 307
Turbidity (NTU) 12.4

Volume of Water Purged [redacted] gallon(s)
261.12

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.16

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1140. Garrin and Ryan S. on site for purge. Purge began at 1151. Pump ran for 15 minutes and 36 seconds. Depth to water after purge was 58.14. Water was mostly clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 1215.

Arrived on site at 0832. Garrin and Ryan S. present for sampling event. Depth to water before samples were collected was 57.21. Samples were collected at 0840. Left site at 0844.

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DENISON MINES

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): TW4-19

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging: 2/17/2011

and Sampling (if different):

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 µMHOS/ cm

Well Depth(0.01ft): 125

Depth to Water Before Purging: 71.02

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

Conductance (avg): 3135

pH of Water (avg): 6.71

Well Water Temp. (avg): 15.24

Redox Potential (Eh): 235

Turbidity: 149.4

Weather Cond.: Cloudy

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

Time	1012	Gal. Purged	
Conductance	3135	pH	6.71
Temp. °C	15.24		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	149.4		

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: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 8

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two):

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at ~~[illegible]~~ 1005. Garrin Palmer and Ryan Palmer present for sampling event. Samples were collected at 1015. Water was a light orange color. Left site at 1020.

Continous pumping well.

Do not touch this cell (SheetName)

DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-20

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/23/2011 and Sampling (if different) [redacted]

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly chloroform

Prev. Well Sampled in Sampling Event TW4-4

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/cm

Well Depth(0.01ft): 106

Depth to Water Before Purging 76.85

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

Conductance (avg) 3697

pH of Water (avg) 5.87

Well Water Temp. (avg) 15.30

Redox Potential (Eh) 314

Turbidity 0

Weather Cond. Sunny

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

Time	1417	Gal. Purged	
Conductance	3697	pH	5.87
Temp. °C	15.30		
Redox Potential Eh (mV)	314		
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)			

Volume of Water Purged 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1408. Garrin and Ryan S. present for sampling event. Samples were collected at 1418. Water was clear. Left site at 1430.

Continous pumping well.

Do not touch this cell (SheetName)

DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2011

Location (well name): TW4-21

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/21/2011 and Sampling (if different) 2/22/2011

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 µMHOS/ cm

Well Depth(0.01ft): 121

Depth to Water Before Purging 58.54

Casing Volume (V) 4" Well: 40.77 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3266

pH of Water (avg) 6.46

Well Water Temp. (avg) 15.23

Redox Potential (Eh) 301

Turbidity 15.35

Weather Cond. Cloudy

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

Time	1316	Gal. Purged	187
Conductance	3257	pH	6.97
Temp. °C	15.25		
Redox Potential Eh (mV)	306		
Turbidity (NTU)	34.8		

Time	1317	Gal. Purged	204
Conductance	3267	pH	6.96
Temp. °C	15.23		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	8.7		

Time	1318	Gal. Purged	221
Conductance	3270	pH	6.95
Temp. °C	15.26		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	9.0		

Time	1319	Gal. Purged	238
Conductance	3270	pH	6.97
Temp. °C	15.21		
Redox Potential Eh (mV)	297		
Turbidity (NTU)	8.9		

Volume of Water Purged 240.55 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.79

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1245. Garrin and Ryan S. on site for purge. Purge began at 1305. Pump ran for 14 minutes and 15 seconds. Depth to water after purge was 75.42. Water was clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 1326.

Arrived on site at 0849. Garrin and Ryan S. present for sampling. Depth to water was 58.02. Samples were collected at 0855. Left site at 0900.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-22

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/22/2011 and Sampling (if different) 2/23/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event [redacted] TW4-21

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 113.6

Depth to Water Before Purging 54.24

Casing Volume (V) 4" Well: 38.68 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 4047

pH of Water (avg) 6.79

Well Water Temp. (avg) 14.30

Redox Potential (Eh) 416

Turbidity 6.3

Weather Cond. Sunny

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

Time	1027	Gal. Purged	34
Conductance	4047	pH	6.79
Temp. °C	14.30		
Redox Potential Eh (mV)	416		
Turbidity (NTU)	6.3		

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 43.01 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.55

Number of casing volumes evacuated (if other than two) 1.11

If well evacuated to dryness, number of gallons evacuated 43.01

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1000. Garrin and Ryan S. present for purge. Purge began at 1025. Pump ran for 2 minutes and 53 seconds. Well ran dry. Water was clear throughout purge. Parameters were collected and copied from the overpumping field sheet. Left site at 1035.

Arrived on site at 0736. Garrin and Ryan S. present for sampling. Depth to water before samples were collected was 54.12. Samples were collected at 0740. Left site at 0745.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-22R

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging 2/22/2011

and Sampling (if different)

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 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging N/A

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

Conductance (avg) 14.4

pH of Water (avg) 8.21

Well Water Temp. (avg) 9.41

Redox Potential (Eh) 424

Turbidity 0

Weather Cond. Sunny

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

Time	0944	Gal. Purged	150
Conductance	14.4	pH	8.21
Temp. °C	9.41		
Redox Potential Eh (mV)	424		
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)			

Volume of Water Purged 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 0930. Garrin and Ryan S. present for rinsate. Rinsate began at 0935. Pumped 50 Gallons of Acid Water, 50 Gallons of Soap water and 50 Gallons of D.I. Water. Samples were Collected at 0944. Left site at 0950.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-23

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/15/2011 and Sampling (if different) 02/16/2011

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 µMHOS/ cm

Well Depth(0.01ft): 114

Depth to Water Before Purging 65.79

Casing Volume (V) 4" Well: 31.47 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3597

pH of Water (avg) 6.54

Well Water Temp. (avg) 13.43

Redox Potential (Eh) 239

Turbidity 1076

Weather Cond. Sunny

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

Time	0850	Gal. Purged	136
Conductance	3601	pH	6.54
Temp. °C	13.40		
Redox Potential Eh (mV)	241		
Turbidity (NTU)	752		

Time	0851	Gal. Purged	153
Conductance	3596	pH	6.54
Temp. °C	13.41		
Redox Potential Eh (mV)	240		
Turbidity (NTU)	1097		

Time	0852	Gal. Purged	170
Conductance	3597	pH	6.55
Temp. °C	13.49		
Redox Potential Eh (mV)	239		
Turbidity (NTU)	1215		

Time	0853	Gal. Purged	187
Conductance	3597	pH	6.55
Temp. °C	13.45		
Redox Potential Eh (mV)	238		
Turbidity (NTU)	1240		

Volume of Water Purged 190.74 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.70

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 0830. Garrin and Ryan S. present for purge. Purge began at 0842. Pump ran for 11 minutes and 22 seconds. Water was murky and a light orange color and cleared towards the end of the purge. Depth to water after purge was 92.05. Parameters were copied from the overpumping field sheet. Left site at 0906.

Arrived on site at 0937. Garrin and Ryan S. present for sampling event. Depth to water before samples were taken was 65.62. Samples were collected at 0944. Left site at 0949.

Do not touch this cell (SheetName)

DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter chloroform 2011

Location (well name): TW4-23R

Sampler Name and initials: Garrin Palmer/GP

Date and Time for Purging: 02/15/2011

and Sampling (if different):

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 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging: N/A

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

3" Well: 0 (.367h)

Conductance (avg): 19.9

pH of Water (avg): 8.07

Well Water Temp. (avg): 13.14

Redox Potential (Eh): 292

Turbidity: 0

Weather Cond.: Sunny

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

Time	0815	Gal. Purged	150
Conductance	19.9	pH	8.07
Temp. °C	13.14		
Redox Potential Eh (mV)	292		
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)			

Volume of Water Purged 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

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

Number of casing volumes evacuated (if other than two) N/A

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 0755. Garrin and Ryan S. on site for rinsate. Rinsate began at 0806. Pumped 50 Gallons of Acid Water. 50 Gallons of Soap water, and 50 Gallons of D.I. water. Samples were collected at 0815. Left site at 0825.

Do not touch this cell (SheetName)

DENISON MINES

Attachment 1
See instruction

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-24

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/16/2011 and Sampling (if different) 02/17/2011

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-9

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 112.50

Depth to Water Before Purging 55.60

Casing Volume (V) 4" Well: 37.14 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 9042

pH of Water (avg) 6.66

Well Water Temp. (avg) 14.83

Redox Potential (Eh) 261

Turbidity 88.1

Weather Cond. Sunny

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

Time	1432	Gal. Purged	170
Conductance	9041	pH	6.67
Temp. °C	14.81		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	43.0		

Time	1433	Gal. Purged	187
Conductance	9043	pH	6.65
Temp. °C	14.83		
Redox Potential Eh (mV)	261		
Turbidity (NTU)	100.0		

Time	1434	Gal. Purged	204
Conductance	9041	pH	6.67
Temp. °C	14.84		
Redox Potential Eh (mV)	259		
Turbidity (NTU)	108.0		

Time	1435	Gal. Purged	221
Conductance	9043	pH	6.66
Temp. °C	14.87		
Redox Potential Eh (mV)	257		
Turbidity (NTU)	101.4		

Volume of Water Purged 226.1 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.36

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Arrived on site at 1408. Garrin and Ryan S. Present for purge. Purge began at 1422. Pump ran for 13 minutes and 30 seconds. Water was clear throughout purge. Depth to water after purge was 70.52. Parameters were copied from the overpumping field sheet. Left site at 1449.

Arrived on site at 1045. Garrin, Tanner, and Ryan S. all present for sampling event. Depth to water before samples were collected was 55.76. Samples were collected at 0750. Left site at 0755.

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Attachment 1
See instruction

DENISON MINES

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

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-25

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 02/15/2011

and Sampling (if different) 02/16/2011

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 µMHOS/ cm

Well Depth(0.01ft): 134.8

Depth to Water Before Purging 46.54

Casing Volume (V) 4" Well: 57.61 (.653h)

3" Well: (.367h)

Conductance (avg) 2968

pH of Water (avg) 7.15

Well Water Temp. (avg) 14.45

Redox Potential (Eh) 210

Turbidity 2129

Weather Cond. Sunny

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

Time	0955	Gal. Purged	272
Conductance	2974	pH	7.17
Temp. °C	14.35		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	1479		

Time	0956	Gal. Purged	289
Conductance	2977	pH	7.15
Temp. °C	14.44		
Redox Potential Eh (mV)	211		
Turbidity (NTU)	1374		

Time	0957	Gal. Purged	306
Conductance	2959	pH	7.15
Temp. °C	14.52		
Redox Potential Eh (mV)	210		
Turbidity (NTU)	2766		

Time	0958	Gal. Purged	323
Conductance	2962	pH	7.16
Temp. °C	14.49		
Redox Potential Eh (mV)	209		
Turbidity (NTU)	2999		

Volume of Water Purged 325.21 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.77

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0929. Garrin and Ryan S. present for purge. Purge began at 0939. Pump ran for 19 minutes and 12 seconds. water was clear throughout purge. Depth to water after purge was 96.90. Parameters were copied from the overpumping field sheet. Left site at 1009.
Arrived on site at 1003. Garrin and Ryan S. present for sampling event. Depth to water before samples were collected was. 46.40. Samples were collected at 1013. Left site at 1016.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-26

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/21/2011 and Sampling (if different) 2/22/2011

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 µMHOS/ cm

Well Depth(0.01ft): 86

Depth to Water Before Purging 64.34

Casing Volume (V) 4" Well: 14.13 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3132

pH of Water (avg) 4.85

Well Water Temp. (avg) 9.81

Redox Potential (Eh) 537

Turbidity 24.9

Weather Cond. Partly Cloudy

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

Time 0942 Gal. Purged 17
Conductance 3132 pH 4.85
Temp. °C 9.81
Redox Potential Eh (mV) 537
Turbidity (NTU) 24.9

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 17.68 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.66

Number of casing volumes evacuated (if other than two) 1.25

If well evacuated to dryness, number of gallons evacuated 17.68

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 0932. Garrin and Ryan S. present for purge. Purge began at 0941. Pump ran for 1 minute and 4 seconds. Well ran dry. Water was clear throughout purge. Parameters were copied from the overpumping field sheet. Left site at 0950.
Arrived on site at 0753. Garrin and Ryan S. present for sampling event. Depth to water before samples were collected was 64.36. Samples were collected at 0800. Left site at 0804.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-60

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/23/2011 and Sampling (if different)

Well Purging Equip Used: ☐ pump or ☐ bailer

Well Pump (if other than Bennet)

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 µMHOS/ cm

Well Depth(0.01ft): N/A

Depth to Water Before Purging: N/A

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

Conductance (avg): 2.6

pH of Water (avg): 7.10

Well Water Temp. (avg): 16.43

Redox Potential (Eh): 280

Turbidity: 0

Weather Cond.: Sunny

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

Time	1449	Gal. Purged	
Conductance	2.6	pH	7.10
Temp. °C	16.43		
Redox Potential Eh (mV)	280		
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)			

Volume of Water Purged 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☑	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

See instruction

Comment

Arrived on site at 1445. Garrin Palmer present for sampling event. Samples were collected at 1450. Left site at 1458.

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-65

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/17/2011

and Sampling (if different)

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 µMHOS/ cm

Well Depth(0.01ft): 125

Depth to Water Before Purging 71.02

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

Conductance (avg) 3135

pH of Water (avg) 6.71

Well Water Temp. (avg) 15.24

Redox Potential (Eh) 235

Turbidity 149.4

Weather Cond. Cloudy

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

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)			

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 8

Time to evacuate two casing volumes (2V)
T = 2V/Q = 0

Number of casing volumes evacuated (if other than two):

If well evacuated to dryness, number of gallons evacuated: N/A

Name of Certified Analytical Laboratory if Other Than Energy Lab: N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒

Chloride

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

See instruction

Comment

Duplicate of TW4-19

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DENISON MINES

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

Attachment 1
See instruction

Description of Sampling Event: 1st Quarter Chloroform 2011

Location (well name): TW4-70

Sampler Name and initials: Garrin Palmer / GP

Date and Time for Purging 2/22/2011 and Sampling (if different) 2/23/2011

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 µMHOS/ cm

Well Depth(0.01ft): 113

Depth to Water Before Purging 56.59

Casing Volume (V) 4" Well: 36.82 (.653h)

3" Well: 0 (.367h)

Conductance (avg) 2194

pH of Water (avg) 6.32

Well Water Temp. (avg) 14.47

Redox Potential (Eh) 380

Turbidity 43.8

Weather Cond. Sunny

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

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)			

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

Volume of Water Purged 40.8 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 17

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.33

Number of casing volumes evacuated (if other than two) 1.10

If well evacuated to dryness, number of gallons evacuated 40.8

Name of Certified Analytical Laboratory if Other Than Energy Lab N/A

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	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☐	☐	250 ml	☐	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☒
Chloride								

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

See instruction

Comment

Duplicate of TW4-10

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Tab C

Weekly and Monthly Depth to Water Data

Depth to Water

Date 1-4-2011 **Name** Tanner Holliday

Time	Well	Depth	Comments
0825	MW-4	71.03	Flow Flow Meter was Frozen
			Meter 357331.66
0818	TW4-15	81.97	Flow 2.0 Flow Meter struggling due to cold Weather
			Meter 47480.0
0800	TW4-19	88.31	Flow 6.4 GPM
			Meter 1082628.43
0815	TW4-20	70.75	Flow 1.4 GPM
			Meter 142563.74
0830	TW4-4	78.71	Flow 8.5 GPM
			Meter 278470.5
	Water:	130283	

R 1/4/11

Depth to Water

Date 1/10/2011

Name Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1356	MW-4	69 51	Flow 2.4 GPM
			Meter 362172.38
1329	TW4-15	75.34	Flow 5.4 GPM
			Meter 47861.0
1325	TW4-19	63.39	Flow 6.8 GPM
			Meter 1082628.34
1351	TW4-20	79 76	Flow 1.6 GPM
			Meter 144699.81
1405	TW4-4	83.04	Flow 8.2 GPM
			Meter 284375.1
	Water:	145871	

Chloroform Wells

Date 1-11-2011

Name Garrin Palmer & Ryan Schierman

Time	Well	Depth	Comments
0950	MW-4	73.55	
0953	TW4-1	64.09	
0952	TW4-2	67.12	
0945	TW4-3	49.64	
0949	TW4-4	~~73.55~~	83.03
0943	TW4-5	56.81	
0957	TW4-6	71.00	
0949	TW4-7	66.50	
0947	TW4-8	66.98	
0944	TW4-9	54.76	
0941	TW4-10	57.09	
1021	TW4-11	58.34	
1011	TW4-12	39.51	
1009	TW4-13	47.22	47.22
1006	TW4-14	88.28	
0939	TW4-15	81.82	
1019	TW4-16	65.63	
1016	TW4-17	76.60	
09:25	TW4-18	57.37	
1033	TW4-19	63.23	
09:35	TW4-20	66.96	
0923	TW4-21	58.45	
0933	TW4-22	54.83	
1001	TW4-23	66.06	
09:32	TW4-24	56.29	
09:18	TW4-25	46.65	
0958	TW4-26	64.75	

Depth to Water

Date 1-17-2011

Name Garrin Palmer

Time	**Well**	**Depth**	**Comments**
1226	MW-4	64.93	Flow 4.3 GPM
			Meter 367383.34
1230	TW4-15	68.07	Flow Power is off
			Meter 48286.0
1250	TW4-19	85.35	Flow 7.4 GPM
			Meter 1123725.31
1231	TW4-20	65.48	Flow Power is off
			Meter 146763.38
/19/2011 1221	TW4-4	72.35	Flow 8.3 GPM
			Meter 289276.3
	Water:	159607	

Depth to Water

Date 1·24·2011 **Name** Ryan Palmer

Time	Well	Depth	Comments
1037	MW-4	69.04	Flow 4.4 GPM
			Meter 372807.5
1030	TW4-15	82.60	Flow 5.3 GPM
			Meter 048693 0
1101	TW4-19	61.88	Flow 7.6 GPM
			Meter 1123721.6
1024	TW4-20	65.57	Flow 1.4 GPM Pump Needs Replaced.
			Meter 148515.5
1046	TW4-4	69.12	Flow 7.1 GPM
			Meter 294212.6
	Water:	176452	1·24·2011

Depth to Water

Date 1·31·2011 **Name** Ryan Palmer

Time	**Well**	**Depth**	**Comments**
0820	MW-4	70.08	Flow 4.4 GPM
			Meter 378457.4
0813	TW4-15	73.90	Flow 5.4 GPM
			Meter 490850
0915	TW4-19	86.37	Flow 7.5 GPM
			Meter 1185911.4
0801	TW4-20	77.23	Flow 1.3 GPM left Pump on ✓ back later in Day.
			Meter 150587.2
0829	TW4-4	6922	Flow 8.5 GPM
			Meter 299428.1
	Water:	198939	

Cell 4A 9.96
INT 3.98

Depth to Water

Date 2-7-2011 **Name** Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1409	MW-4	66.91	Flow 2.5 GPM
			Meter 381214.43
1403	TW4-15	71.50	Flow 5.6 GPM
			Meter 49273.0
1427	TW4-19	61.51	Flow 8.0 GPM
			Meter 1185926.09
1357	TW4-20	64.39	Flow Pump Rate is Really Low Pump Needs changed Out. Will change Out in Next Couple of Days.
			Meter 151172.44
1415	TW4-4	72.92	Flow 8.6 GPM
			Meter 302265.6
	Water:	217210	

Depth to Water

Date 2·15·2011 **Name** Ryan Palmer

Time	Well	Depth	Comments
1416	MW-4	70.76	Flow 4.5 GPM
			Meter 388892.4
1410	TW4-15	75.57	Flow 5.8 GPM
			Meter 498390
1439	TW4-19	88.28	Flow 9.1 GPM
			Meter 1271098.7 Pumping upon Arrival
1403	TW4-20	65.93	Flow Pump Has Completely stopped Will Get
			Meter 151172.4 Replaced tomorrow
1422	TW4-4	69.31	Flow 9.0 GPM
			Meter 309585.8
	Water:	235798	

Depth to Water

Date 2-21-2011 **Name** Tanner Holliday

Time	Well	Depth	Comments
1252	MW-4	75.01	Flow Needs a new meter
			Meter 394335.18
1248	TW4-15	78.34	Flow 5.4 GPM
			Meter 30247.0
1320	TW4-19	63.14	Flow 8.0 GPM
			Meter 1280734.55
0800	TW4-20	65.12	Flow Surge & Bail performed today
			Meter Pump not installed back in hole yet.
1300	TW4-4	70.03	Flow 2.0. Lid was off and Meter was frozen
			Meter 314919.0
1545	TW4-20		Pump Was Installed & Set to pump.
			program will Need to be Altered
			Due to pump Volume Increasing
			Flow 10.0 GPM
			Meter 151213.2
	Water:	259559	

Depth to Water

Date 2/28/2011

Name Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1004	MW-4	75.33	Flow 2.3 GPM
			Meter 4018383.40
1253	TW4-15	78.68	Flow 5.5 GPM
			Meter 50784.55
1320	TW4-19	81.03	Flow 6.7 GPM
			Meter 1354037.88
1248	TW4-20	69.35	Flow 10 GPM
			Meter 1567155.10
1258	TW4-4	69.05	Flow 7.6 GPM
			Meter 322175.64
	Water:	276466	

Depth to Water

Date 3-7-2011

Name Tanner Holliday

Time	Well	Depth	Comments
1000	MW-4	75.00	Flow 2.2 GPM
			Meter 407403.24
0954	TW4-15	80.13	Flow 5.6 GPM
			Meter 51170.0
1500	TW4-19	62.01	Flow 8.0
			Meter 1354043.85
0949	TW4-20	67.50	Flow 10.2 GPM
			Meter 160769.22
1007	TW4-4	70.01	Flow 8.3 GPM
			Meter 327241.2
	Water:	301101	

4.1
264010

13.27
285393

Depth to Water

Date 3-14-11 **Name** Garrin Palmer

Time	Well	Depth	Comments
1349	MW-4	80.13	Flow 4.4 GPM
			Meter 0414064.93
1346	TW4-15	78.99	Flow 5.9 GPM
			Meter 51642.0
1505	TW4-19	83.40	Flow 8.2GPM
			Meter 14255
1342	TW4-20	69.15	Flow 10.4 GPM
			Meter 0165715.81
1353	TW4-4	69.11	Flow 8.5 GPM
			Meter 333625.4
	Water:	327452	

← Done by Ryan S.

Depth to Water

Date 3-21-2011 **Name** Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1018	MW-4	70.05	Flow 4.8 GPM
			Meter 420435.31
1014	TW4-15	Snagged @ 81.20	Flow 5.8 GPM
			Meter 52089.48
1035	TW4-19	63.70	Flow 7.3 GPM
			Meter 1442046.35
1010	TW4-20	68.84	Flow 10 GPM
			Meter 170400.64
1022	TW4-4	68.88	Flow 9.0 GPM
			Meter 339769.75
	Water:	337963	

Depth to Water

Date 3-28-11

Name Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1214	MW-4	70.72	Flow 4.3 GPM
			Meter 427128.31
1210	TW4-15	74.41	Flow 5.4 GPM
			Meter 52547.0
1257	TW4-19	86.59	Flow 6.5 GPM
			Meter 1509682.46
1205	TW4-20	82.71	Flow 10.1 GPM
			Meter 175263.06
1217	TW4-4	70.95	Flow 8.6 GPM
			Meter 346273.6
	Water:	356774	

Chloroform Wells

Date 3-28-11

Name Garrin Palmer, Tanner Holliday

Time	**Well**	**Depth**	**Comments**
1224	MW-4	70.72	
1218	TW4-1	63.85	
[illegible] 1223	TW4-2	67.02	
1214	TW4-3	49.20	
1225	TW4-4	70.95	
1210	TW4-5	56.80	
1226	TW4-6	70.42	
1221	TW4-7	67.11	
1216	TW4-8	66.52	
1212	TW4-9	54.61	
1208	TW4-10	56.74	
1239	TW4-11	57.72	
1234	TW4-12	39.24	
1231	TW4-13	46.13	
1228	TW4-14	87.75	
1213	TW4-15	74.41	
1235	TW4-16	64.32	
1232	TW4-17	76.05	
1248	TW4-18	57.44	
1257	TW4-19	86.59	
1207 [illegible]	TW4-20	82.71	
1246	TW4-21	59.65	
1206	TW4-22	54.11	
1229 [illegible]	TW4-23	65.42	
12:04	TW4-24	55.50	
1243	TW4-25	76.41	
1240	TW4-26	64.13	

Depth to Water

Date 4-04-11 **Name** Tanner & Ryan S

Time	**Well**	**Depth**	**Comments**
0840	MW-4	72.15	Flow 4.3 GPM
			Meter 433579.21
0836	TW4-15	75.39	Flow 5.4 GPM
			Meter ~~[illegible]~~
			629930.0
0825	TW4-19	82.14	Flow 6.8 Gallons P M
			Meter ~~[illegible]~~
			1537236.3
0830	TW4-20	101.31	Flow 10.1 GPM
			Meter 179751.27
0843	TW4-4	68.81	Flow 8.7 GPM
			Meter 351830.5
	Water:	371687	

Adjustment
was Made.
Environmental
staff was All
Trained on
5.9 2011 to
Ensure Reporting
is Done the
Same. #'s
Should Coordinate
Better going
Forward.

Tab D

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

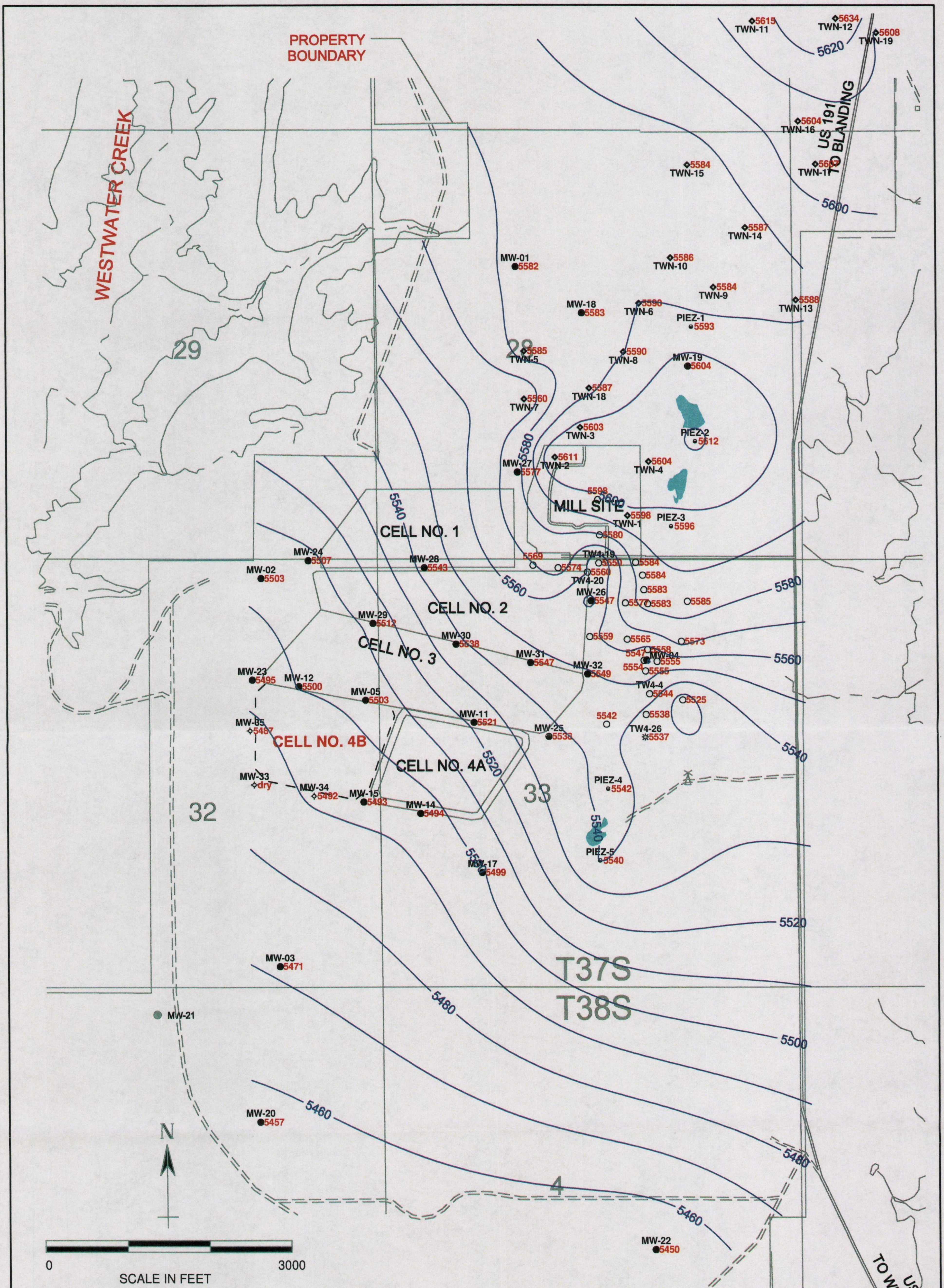
Quarterly Depth to Water

NAME: Garrin Palmer, Ryan Scheirman

DATE: 2/28/2011

TIME	WELL	Static level	TIME	WELL	Static Level	TIME	WELL	Static Level
1458	MW-1	65.29	1004	MW-4	75.33	1447	PIEZ-1	62.04
839	MW-2	109.93	1001	TW4-1	63.84	1500	PIEZ-2	17.20
942	MW-3	83.50	1007	TW4-2	67.11	1503	PIEZ-3	41.96
943	MW-3A	85.55	900	TW4-3	49.63	932	PIEZ-4	48.92
912	MW-5	106.09	1258	TW4-4	69.05	934	PIEZ-5	43.91
909	MW-11	89.37	1012	TW4-5	57.15			
915	MW-12	108.76	956	TW4-6	70.80	1513	TWN-1	49.80
859	MW-14	104.00	1005	TW4-7	67.14	1000	TWN-2	16.05
857	MW-15	106.75	932	TW4-8	66.90	1005	TWN-3	31.61
939	MW-17	76.04	1010	TW4-9	54.96	1406	TWN-4	38.18
1456	MW-18	74.90	1015	TW4-10	57.10	1523	TWN-5	70.10
1452	MW-19	51.30	1016	TW4-11	58.20	1039	TWN-6	74.78
1432	MW-20	83.97	906	TW4-12	39.58	1518	TWN-7	89.58
1438	MW-22	67.32	909	TW4-13	46.84	1021	TWN-8	61.81
842	MW-23	117.43	912	TW4-14	87.99	1245	TWN-9	63.91
829	MW-24	114.81	1252	TW4-15	78.68	1250	TWN-10	81.38
903	MW-25	74.91	1020	TW4-16	64.76	1422	TWN-11	69.57
1252	MW-26	78.68	934	TW4-17	76.56	1418	TWN-12	33.89
826	MW-27	51.09	1522	TW4-18	57.72	1302	TWN-13	46.68
834	MW-28	77.29	1320	TW4-19	81.03	1311	TWN-14	62.79
921	MW-29	102.58	1248	TW4-20	69.35	1254	TWN-15	92.45
922	MW-30	76.83	1524	TW4-21	59.82	1407	TWN-16	48.50
926	MW-31	69.03	1026	TW4-22	54.51	1400	TWN-17	34.59
934	MW-32	76.56	928	TW4-23	65.83	1012	TWN-18	58.10
848	MW-33	Dry	1024	TW4-24	56.05	1431	TWN-19	52.87
853	MW-34	108.20	925	TW4-25	46.73			
846	MW-35	112.67	952	TW4-26	64.52			

Comments: All depths were checked.



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

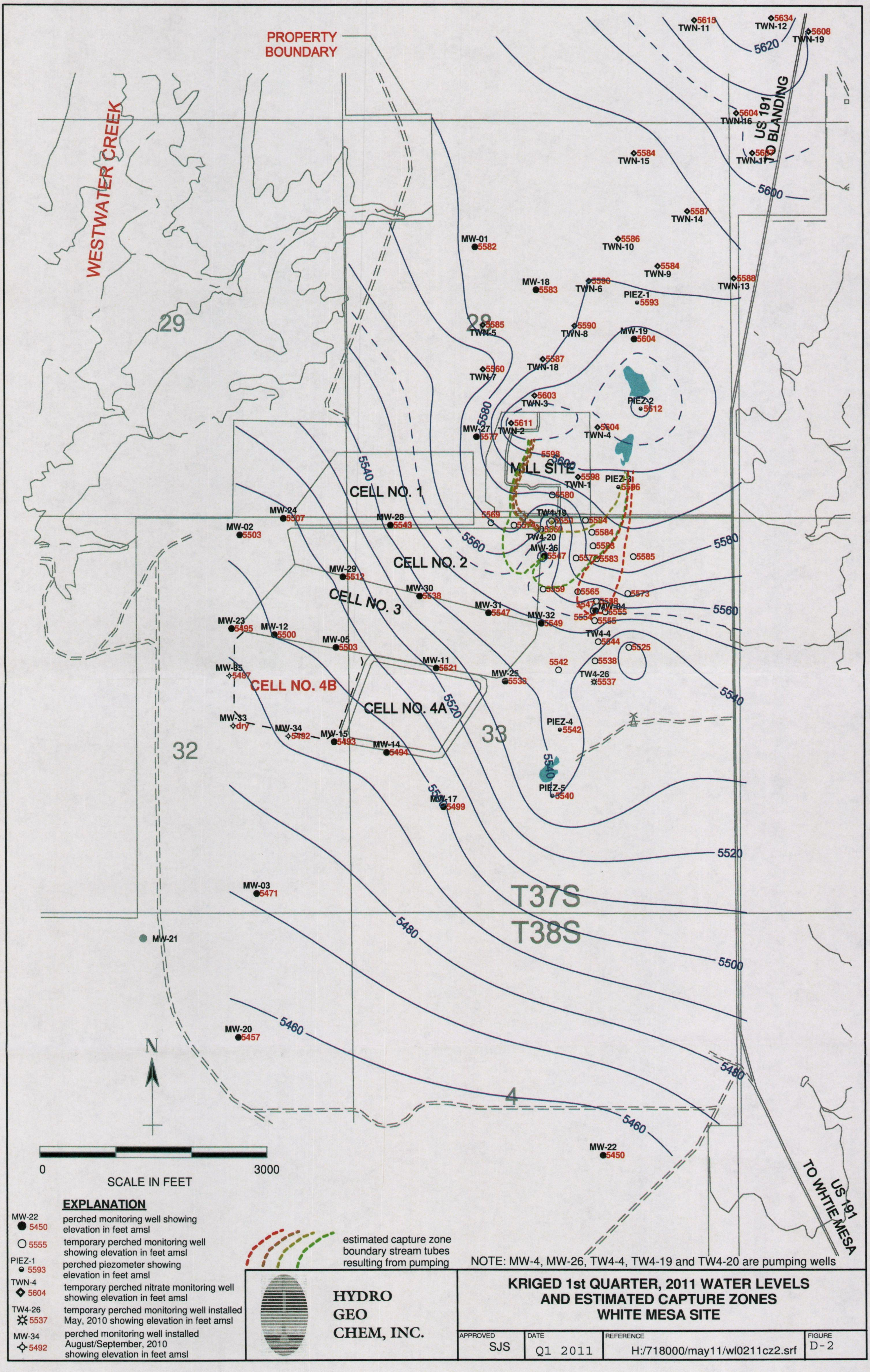
EXPLANATION

MW-22 ● 5450	perched monitoring well showing elevation in feet amsl
○ 5555	temporary perched monitoring well showing elevation in feet amsl
PIEZ-1 • 5593	perched piezometer showing elevation in feet amsl
TWN-4 ◆ 5604	temporary perched nitrate monitoring well showing elevation in feet amsl
TW4-26 ☼ 5537	temporary perched monitoring well installed May, 2010 showing elevation in feet amsl
MW-34 ◇ 5492	perched monitoring well installed August/September, 2010 showing elevation in feet amsl

HYDRO
GEO
CHEM, INC.

KRIGED 1st QUARTER, 2011 WATER LEVELS
WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q1 2011	H:/718000/may11/wl0211.srf	D-1

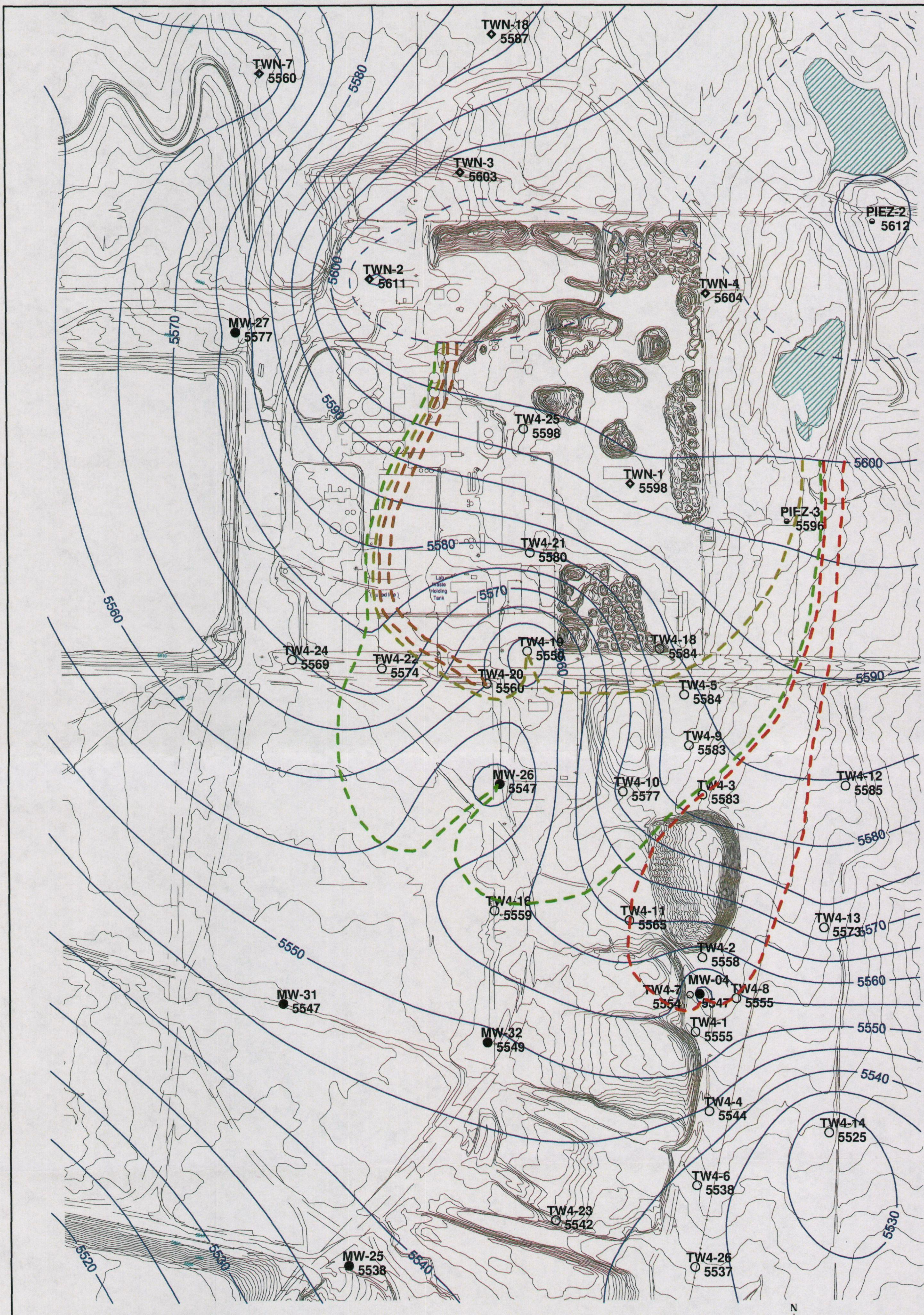


NOTE: MW-4, MW-26, TW4-4, TW4-19 and TW4-20 are pumping wells

HYDRO
GEO
CHEM, INC.

KRIGED 1st QUARTER, 2011 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q1 2011	H:/718000/may11/wl0211cz2.srf	D-2



EXPLANATION

estimated capture zone boundary stream tubes resulting from pumping

◆ TWN-1 5598 temporary perched nitrate monitoring well showing elevation in feet amsl

○ TW4-1 5555 temporary perched monitoring well showing elevation in feet amsl

● MW-32 5549 perched monitoring well showing elevation in feet amsl

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

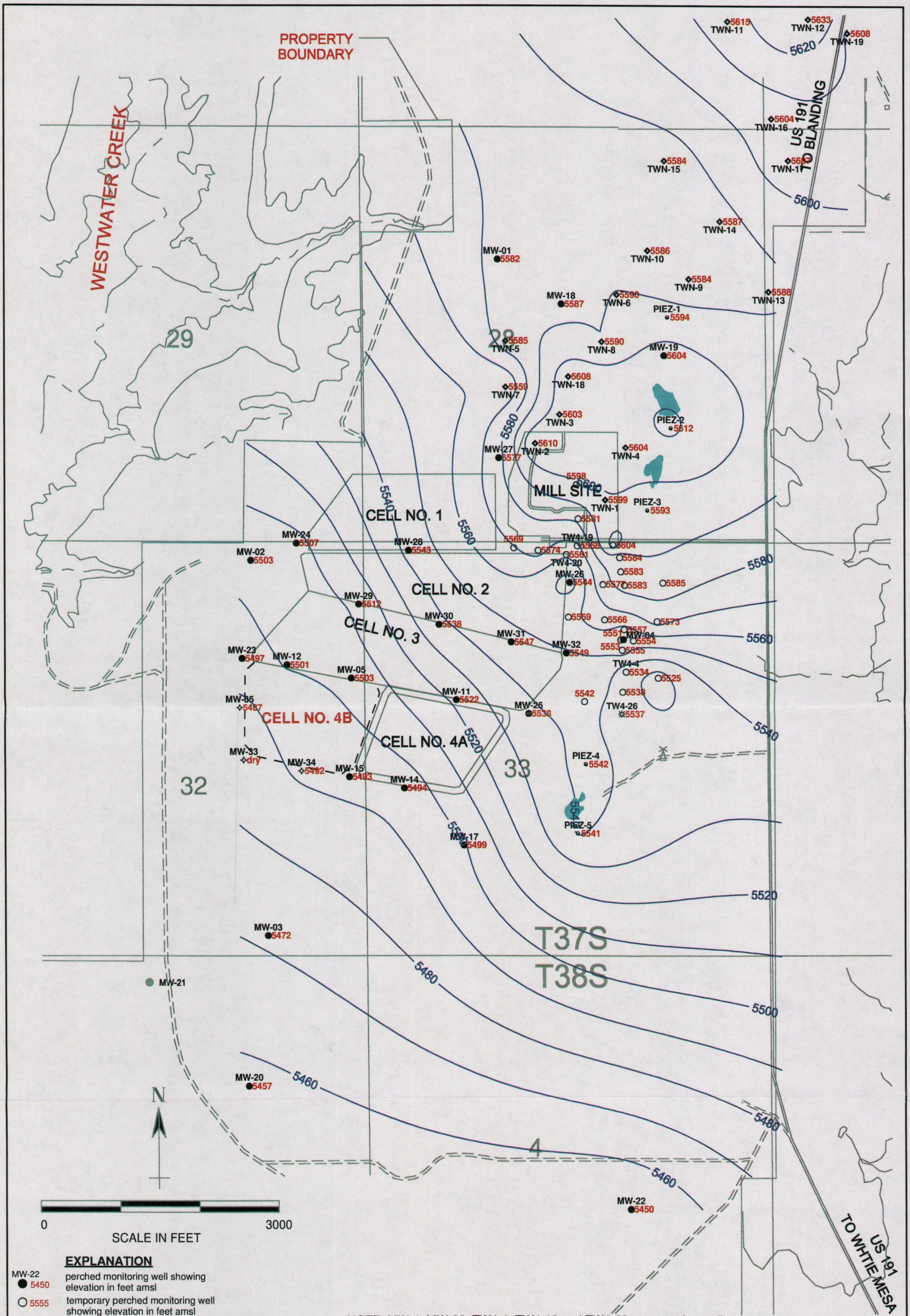
HYDRO GEO CHEM, INC.

KRIGED 1st QUARTER, 2011 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q1 2011	H:/718000/may11/wl0211cz.srf	D-3

Tab E

Kriged Previous Quarter Groundwater Contour Map



EXPLANATION

MW-22 ● 5450	perched monitoring well showing elevation in feet amsl
○ 5555	temporary perched monitoring well showing elevation in feet amsl
PIEZ-1 ● 5594	perched piezometer showing elevation in feet amsl
TWN-4 ◆ 5604	temporary perched nitrate monitoring well showing elevation in feet amsl
TW4-26 ✲ 5537	temporary perched monitoring well installed May, 2010 showing elevation in feet amsl
MW-34 ✧ 5492	perched monitoring well installed August/September, 2010 showing elevation in feet amsl

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

HYDRO
GEO
CHEM, INC.

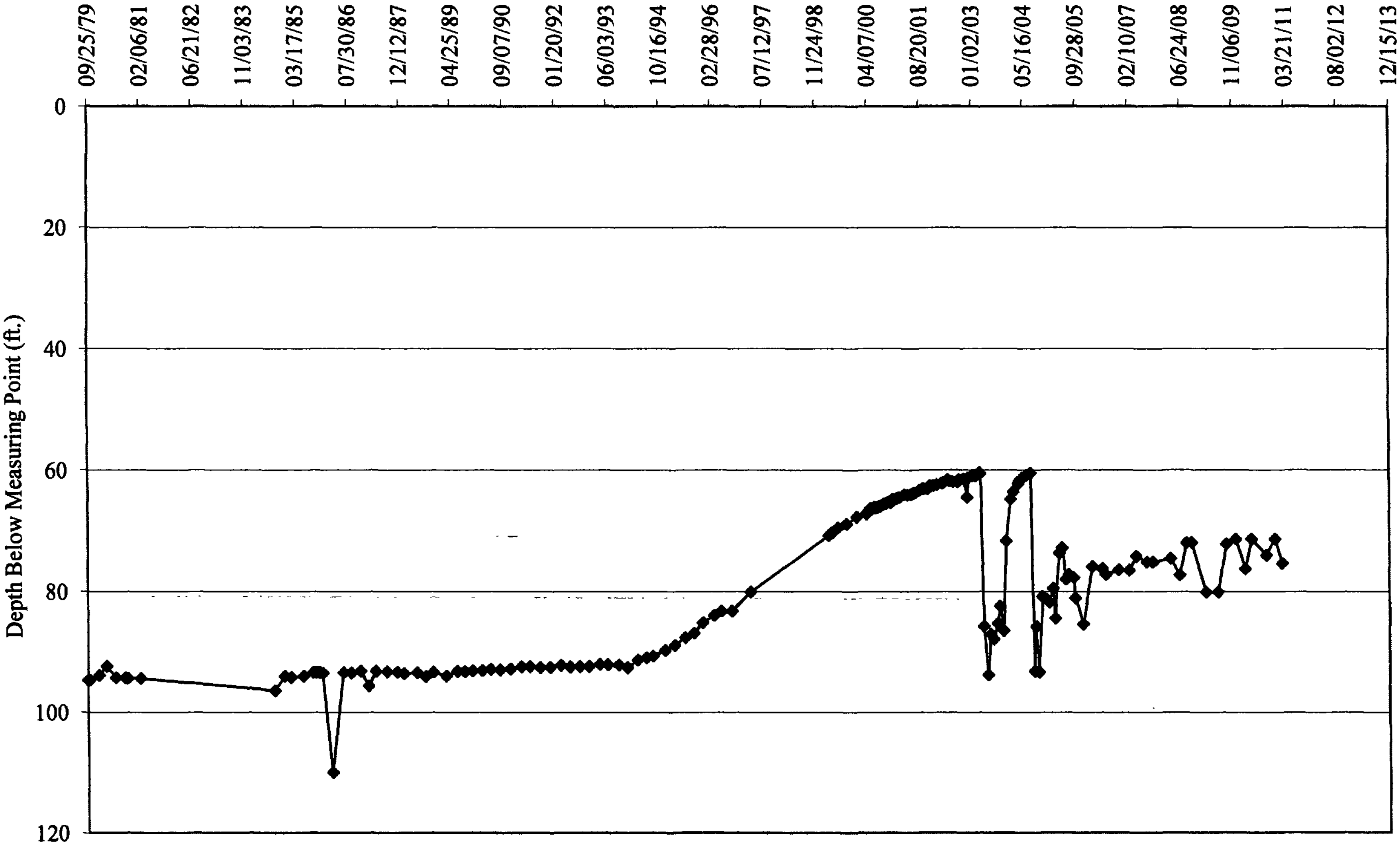
KRIGED 4th QUARTER, 2010 WATER LEVELS
WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q4 2010	H:/718000/feb11/wl1210.srf	E-1

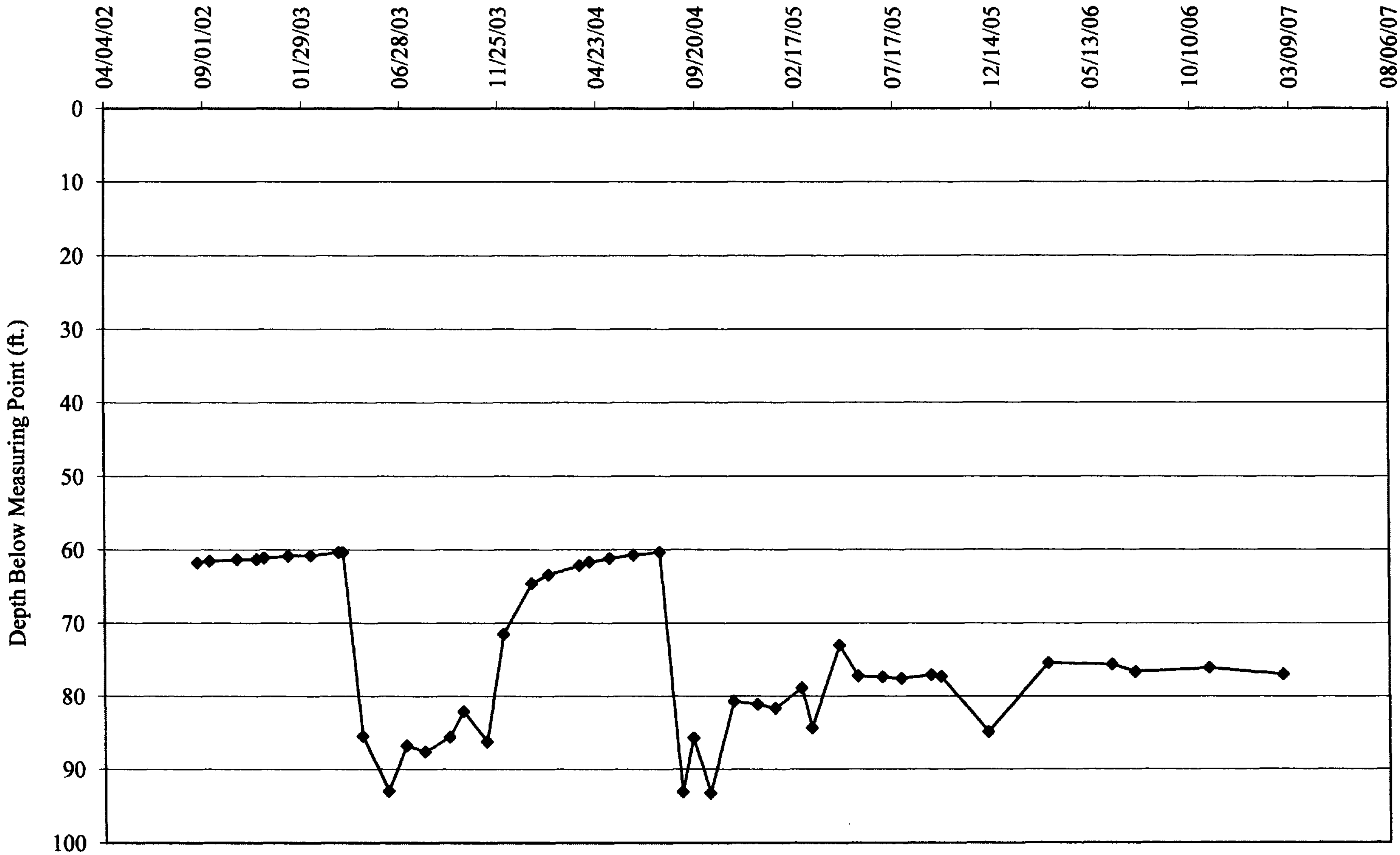
Tab F

Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

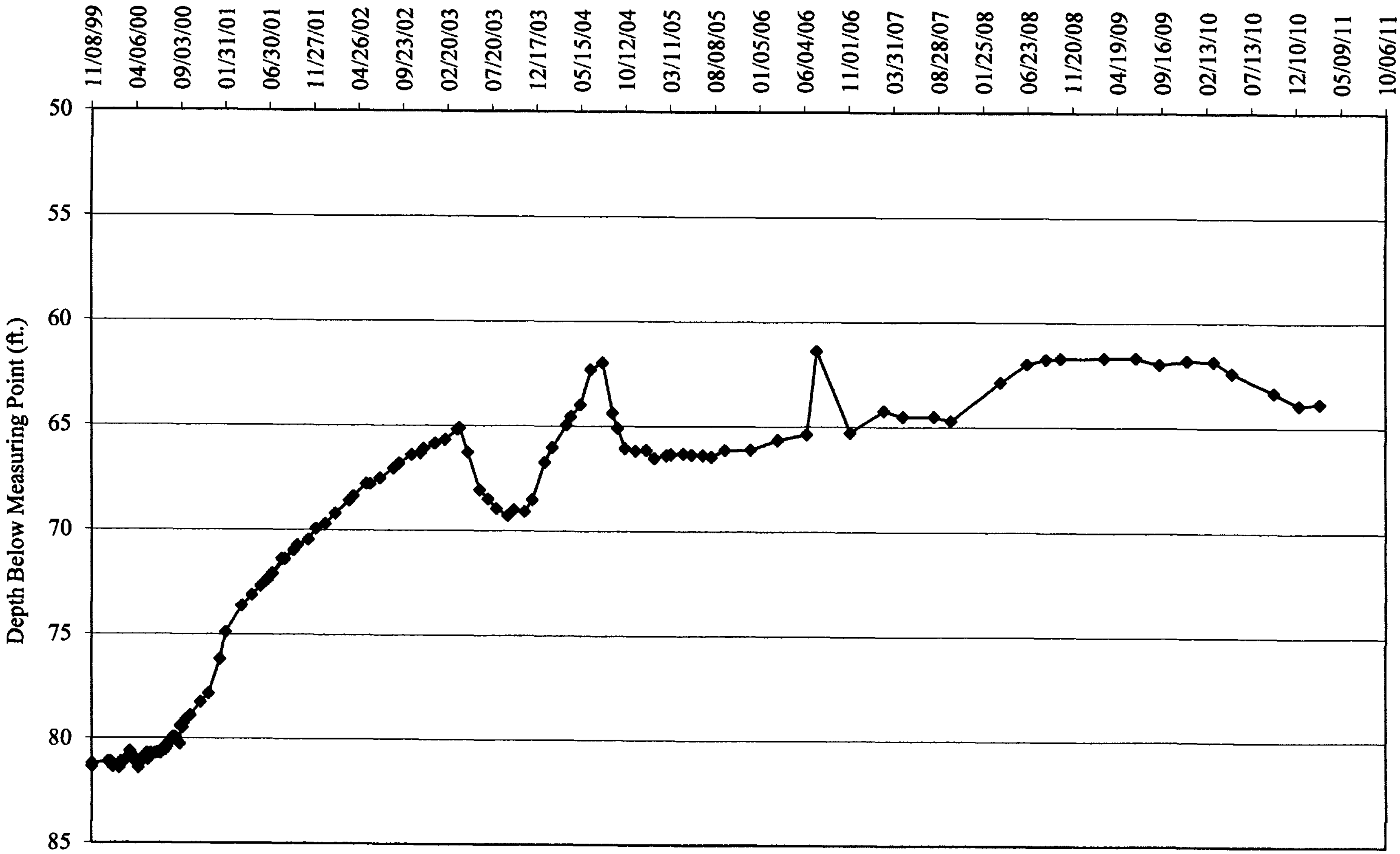
MW 4 Water Depth Over Time (ft. blmp)



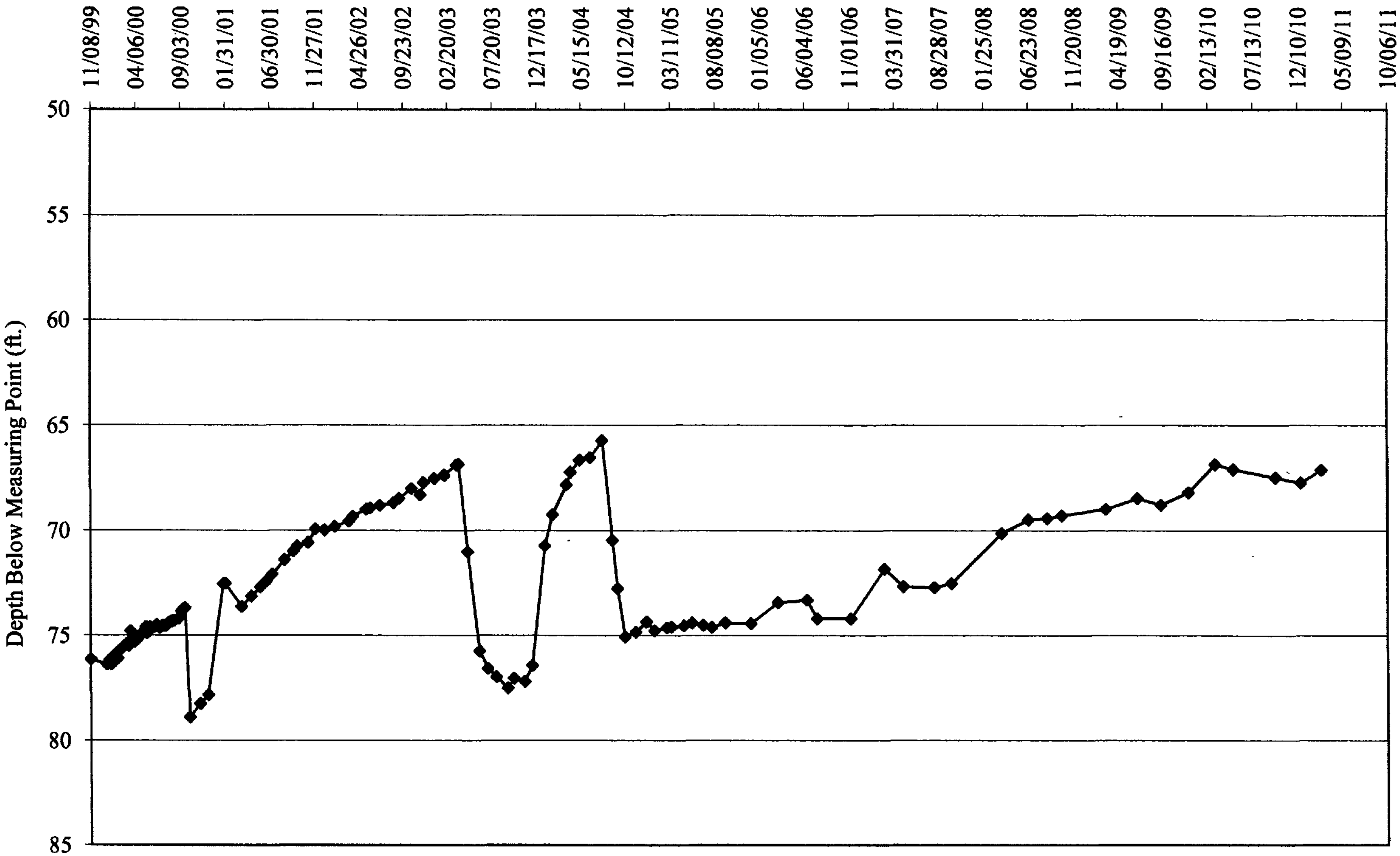
MW-4A Water Depth Over Time (ft. blmp)



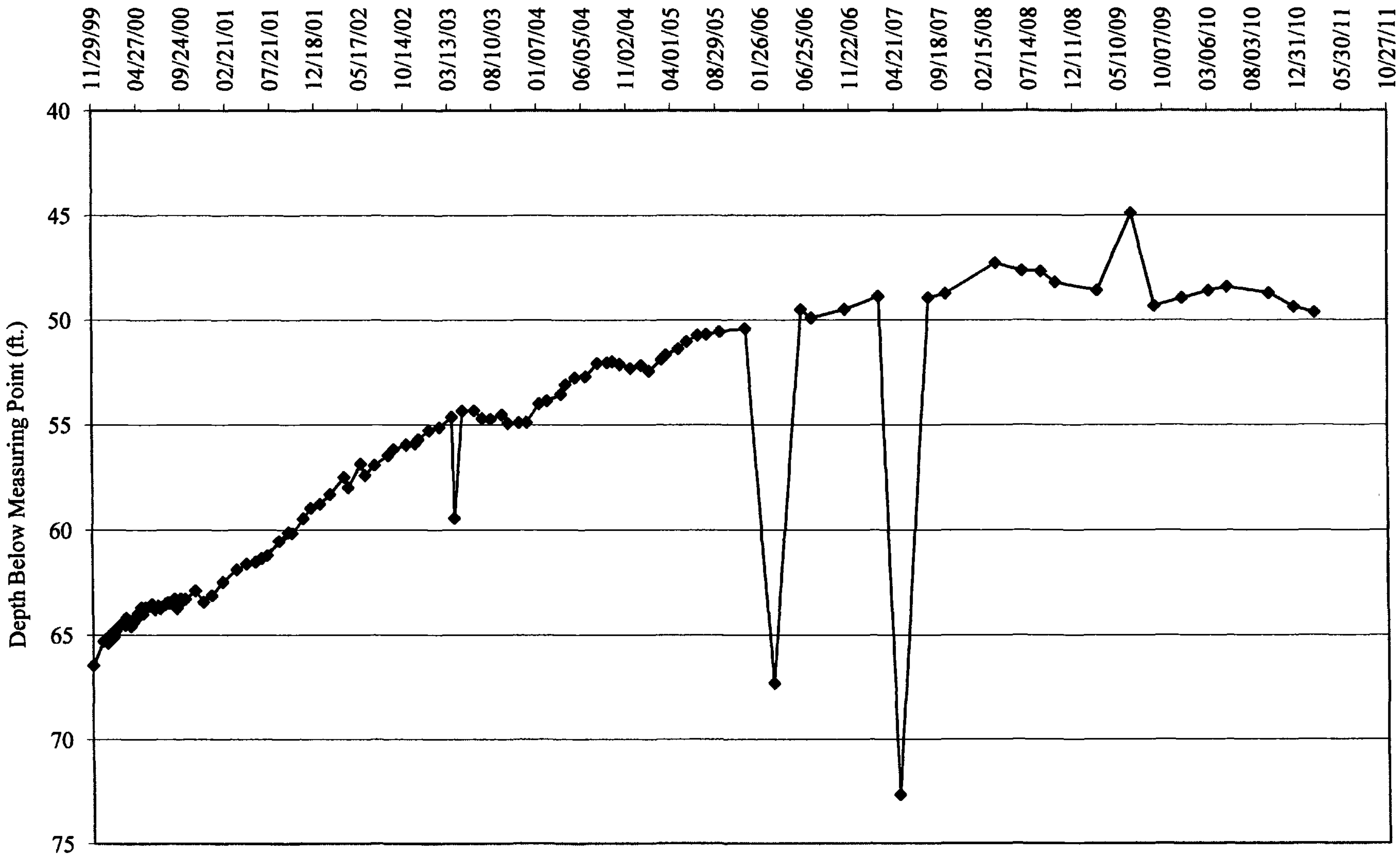
TW4-1 Water Depth Over Time (ft. blmp)



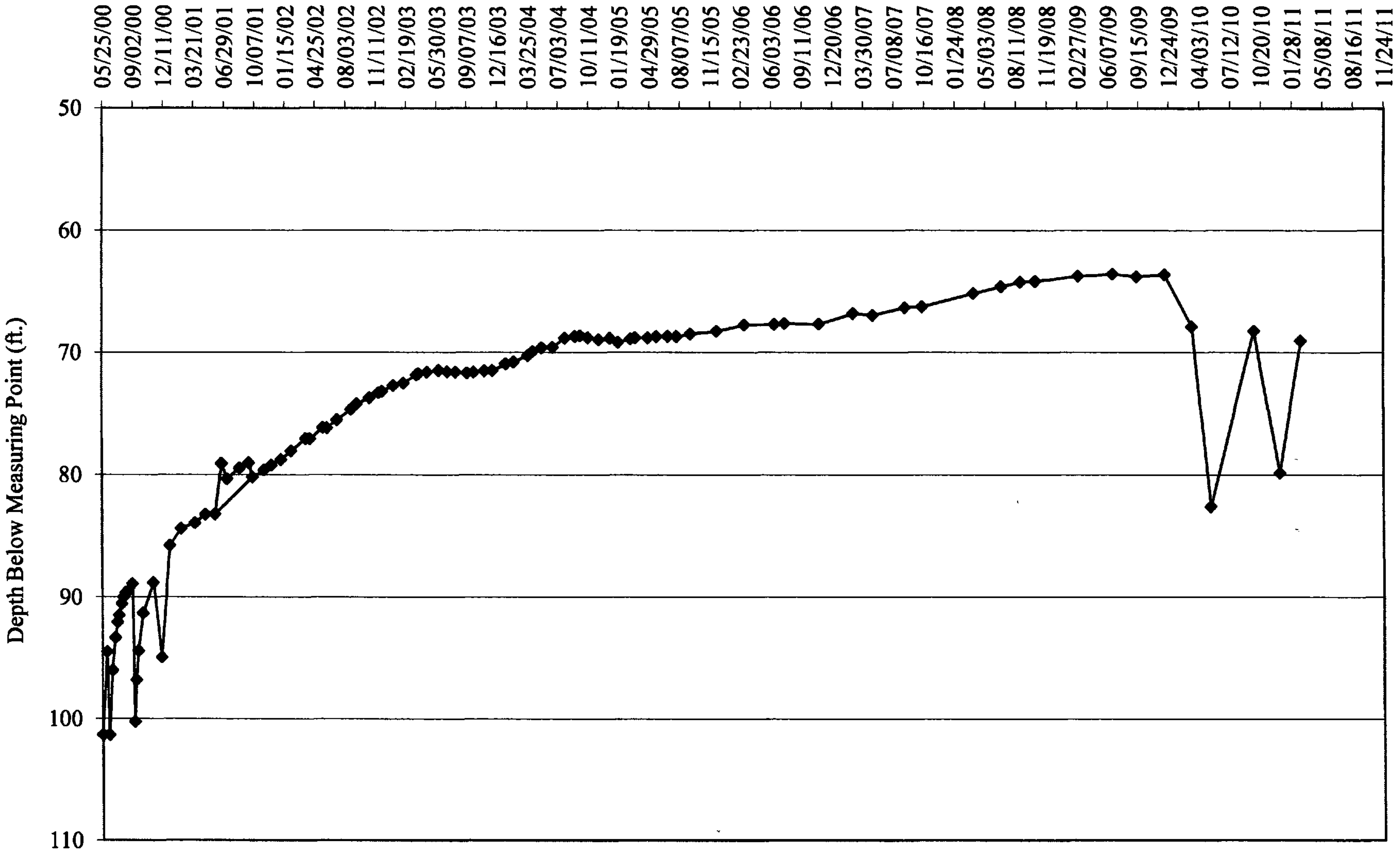
TW4-2 Water Depth Over Time (ft. blmp)



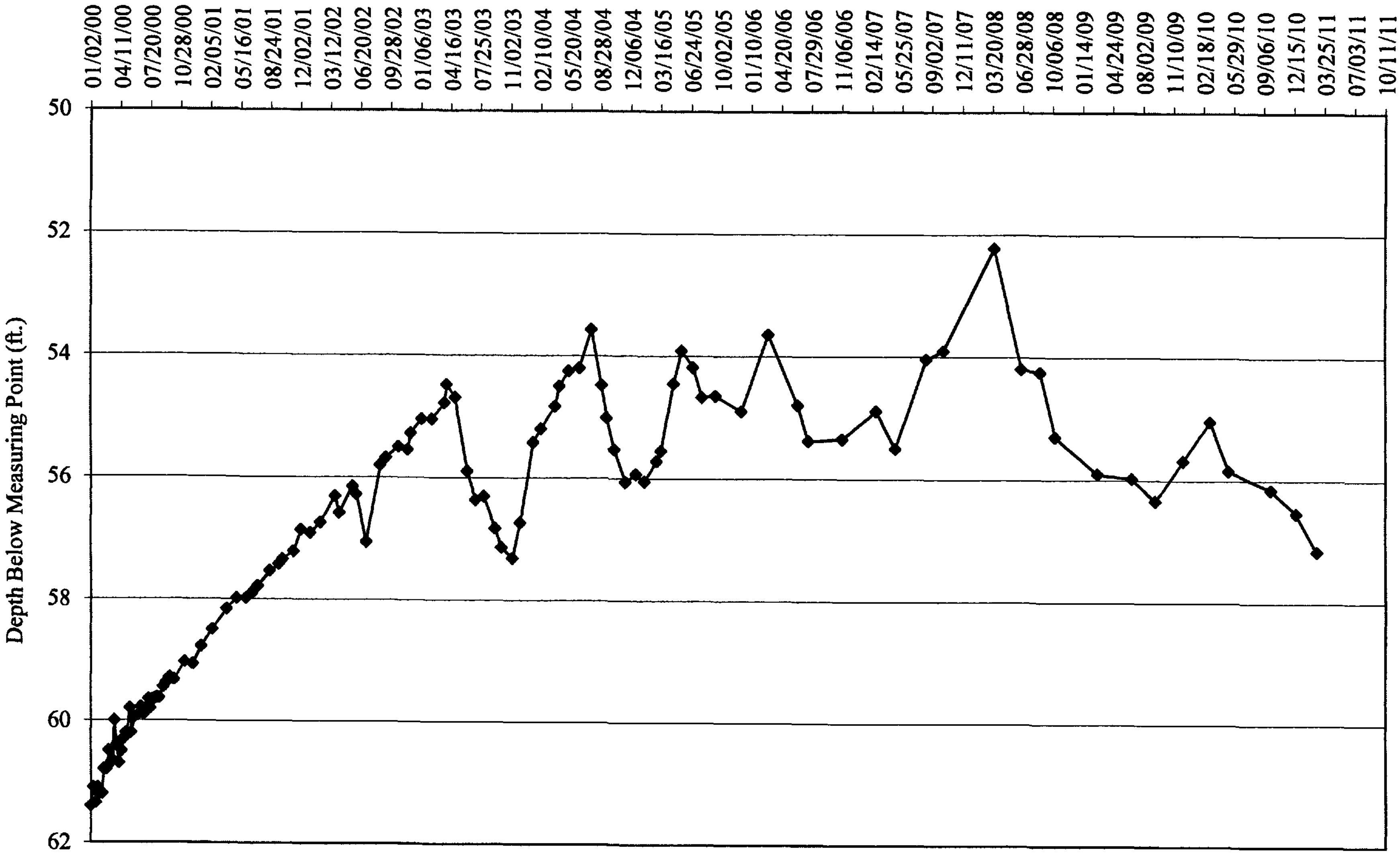
TW4-3 Water Depth Over Time (ft. blmp)



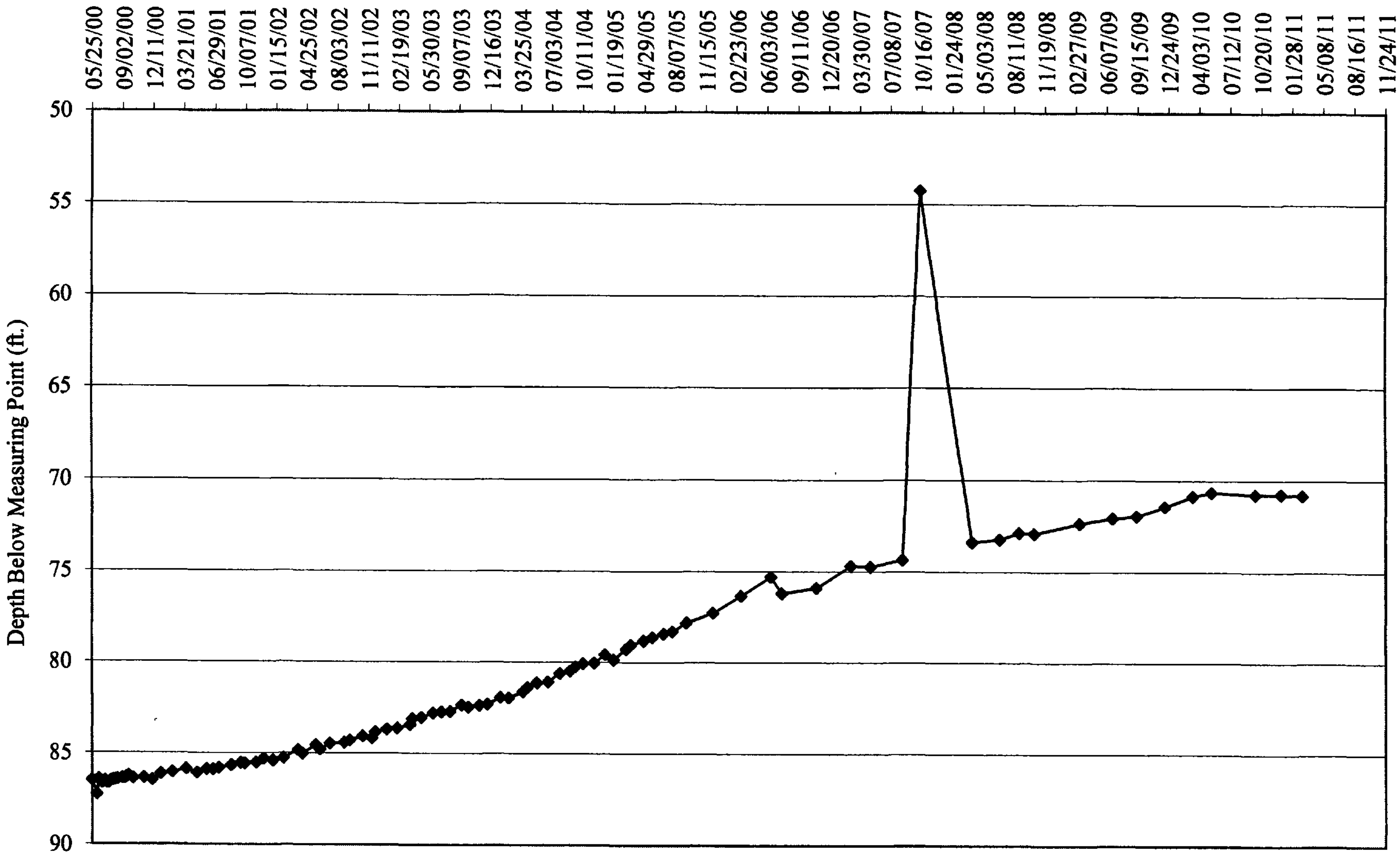
TW4-4 Water Depth Over Time (ft. blmp)



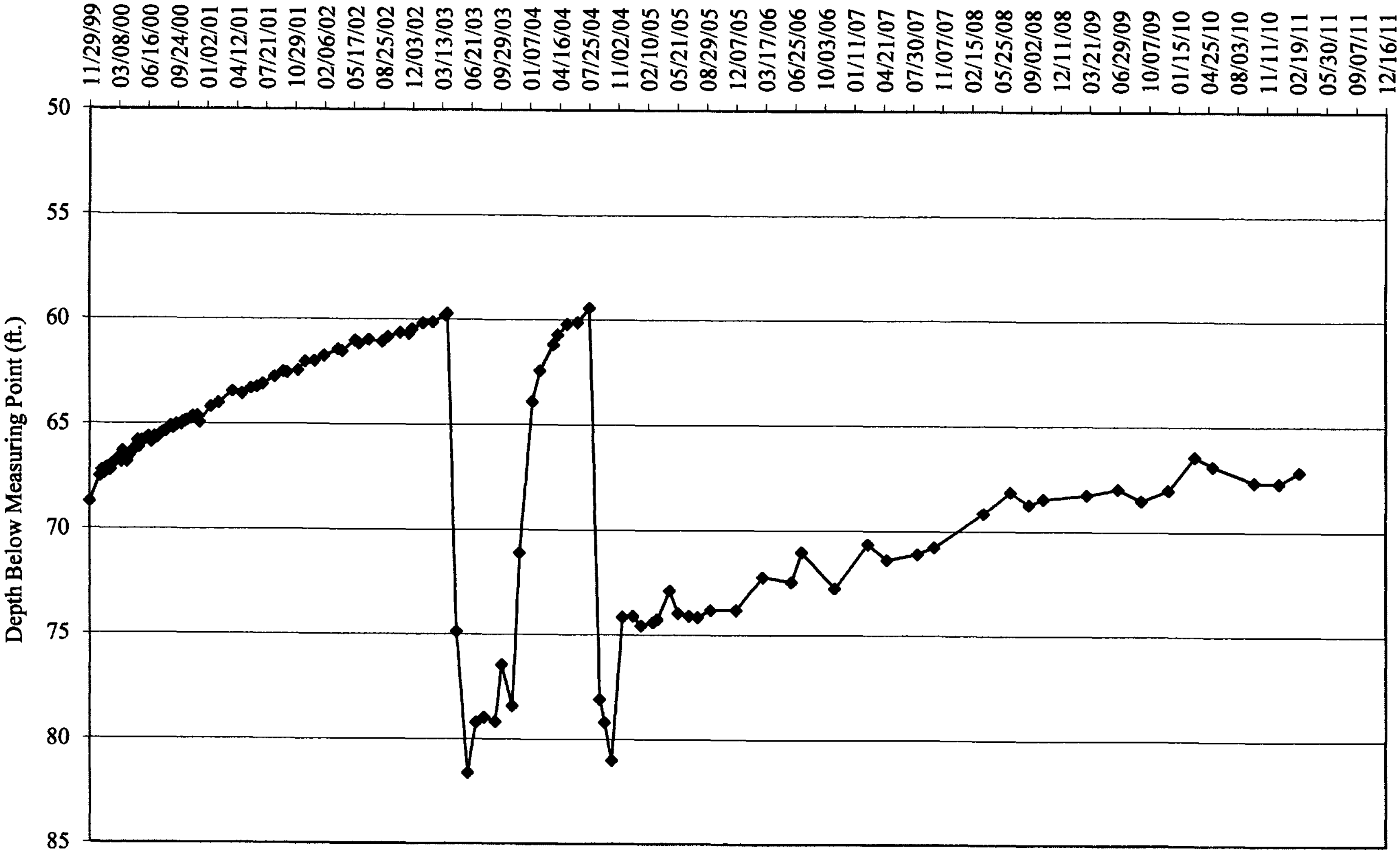
TW4-5 Water Depth Over Time (ft. blmp)



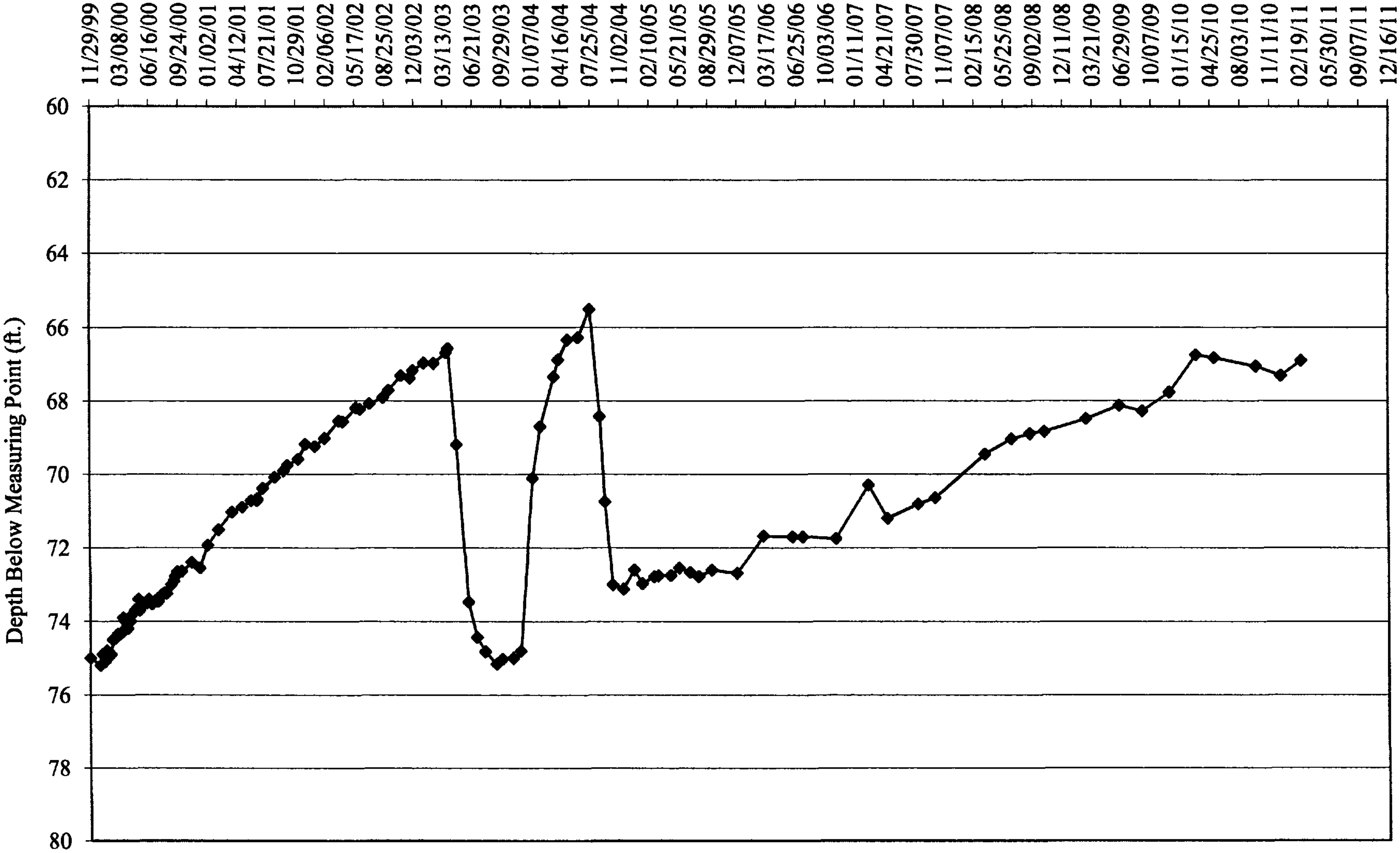
TW4-6 Water Depth Over Time (ft. blmp)



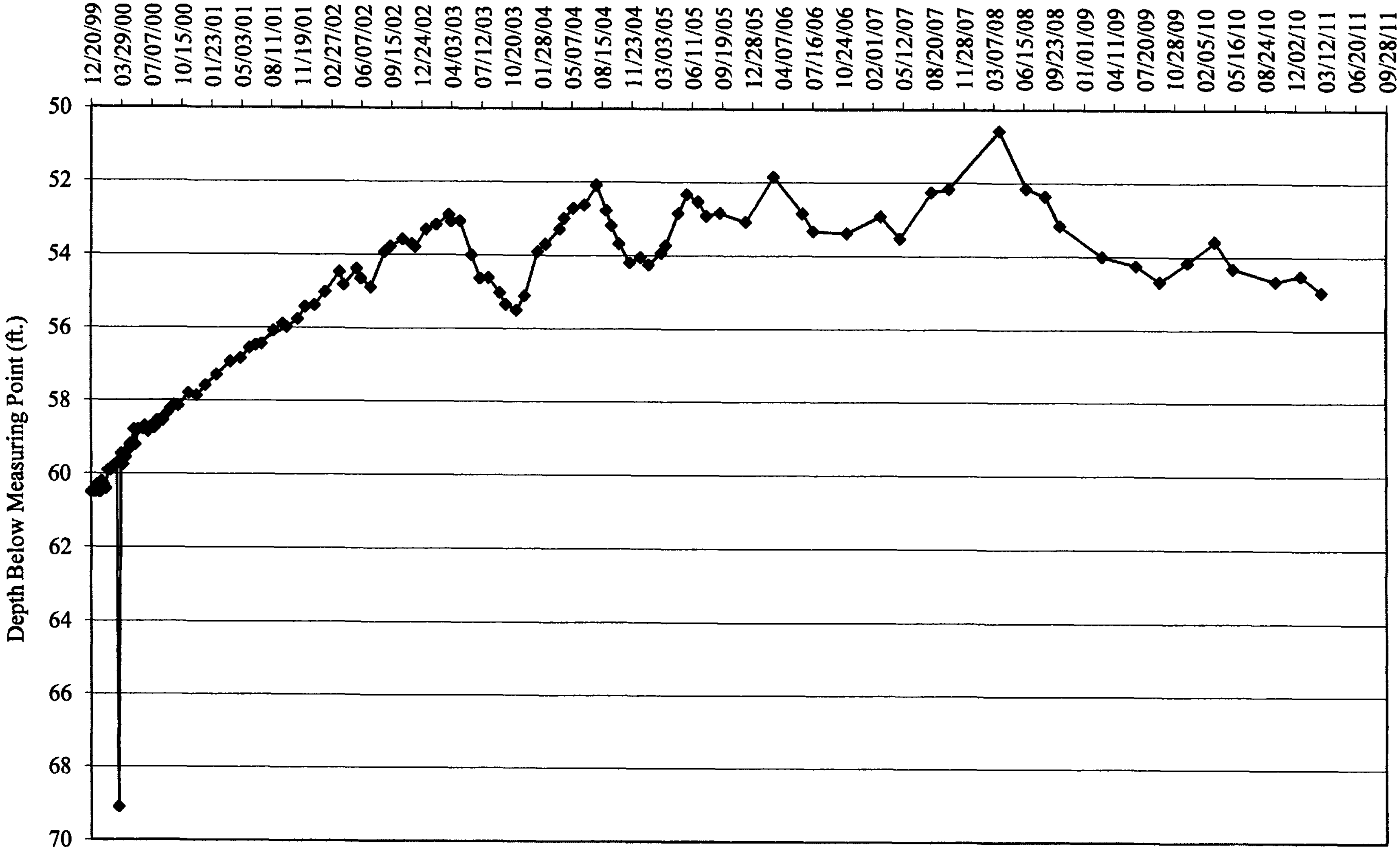
TW4-7 Water Depth Over Time (ft. blmp)



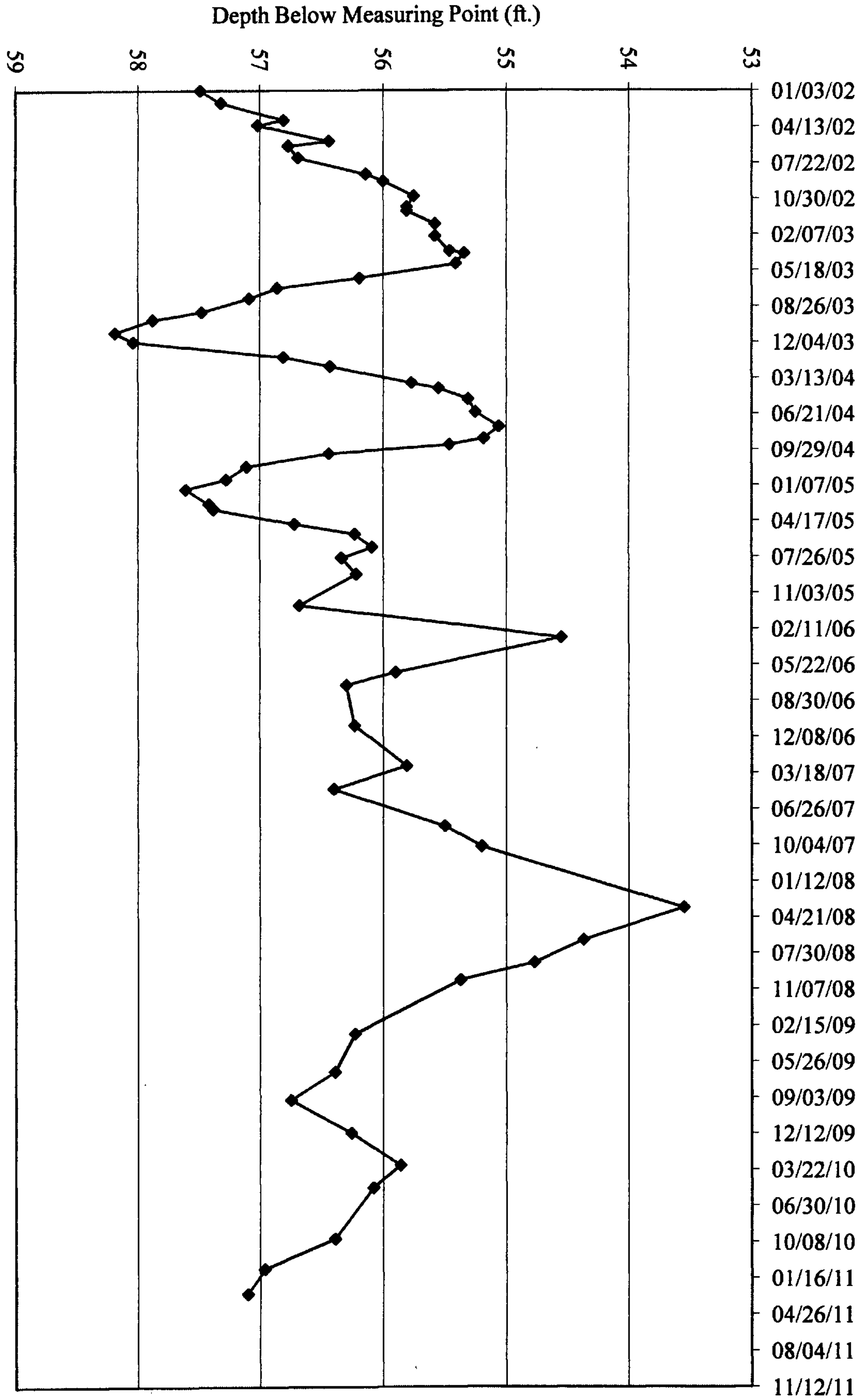
TW4-8 Water Depth Over Time (ft. blmp)



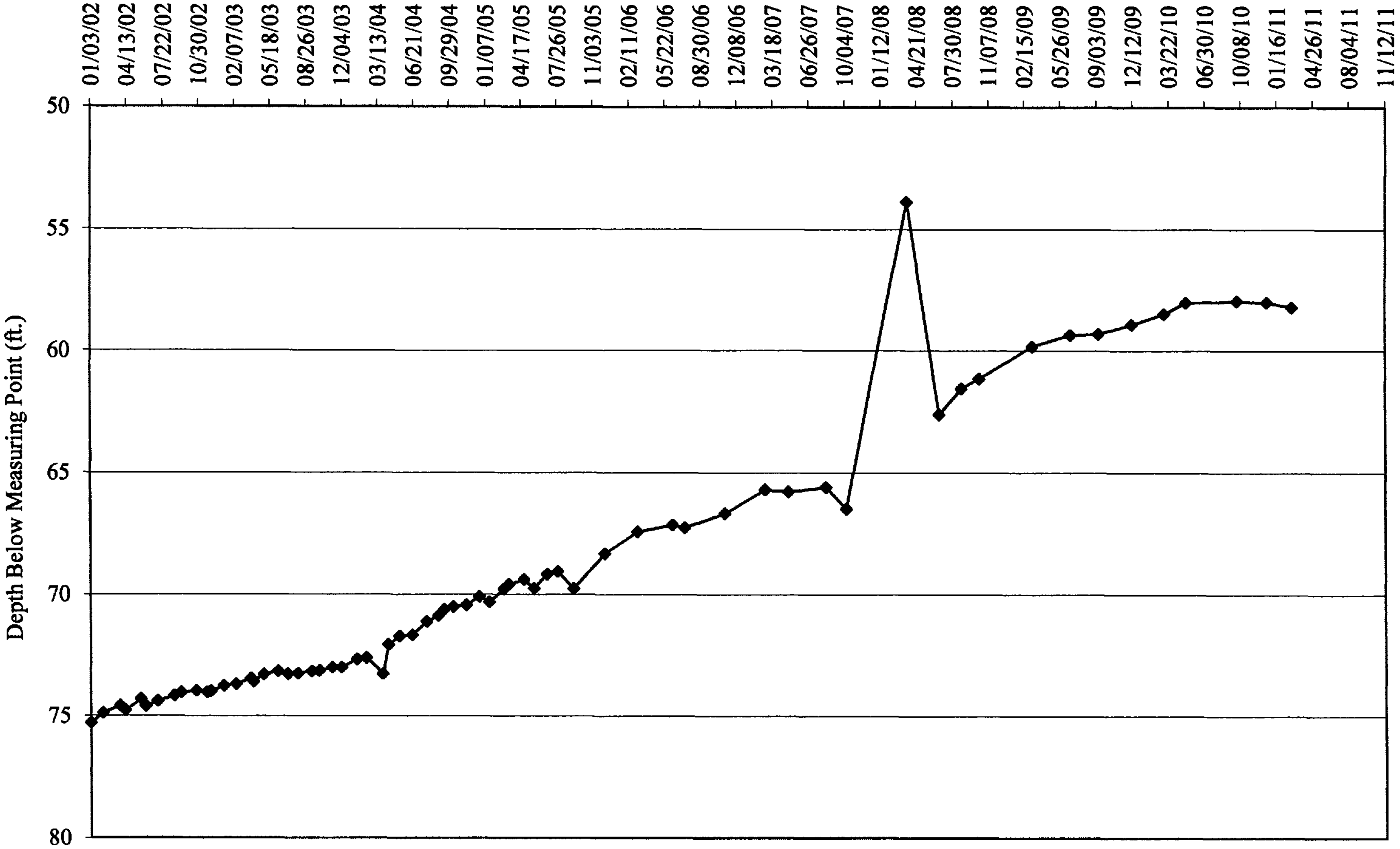
TW4-9 Water Depth Over Time (ft. blmp)



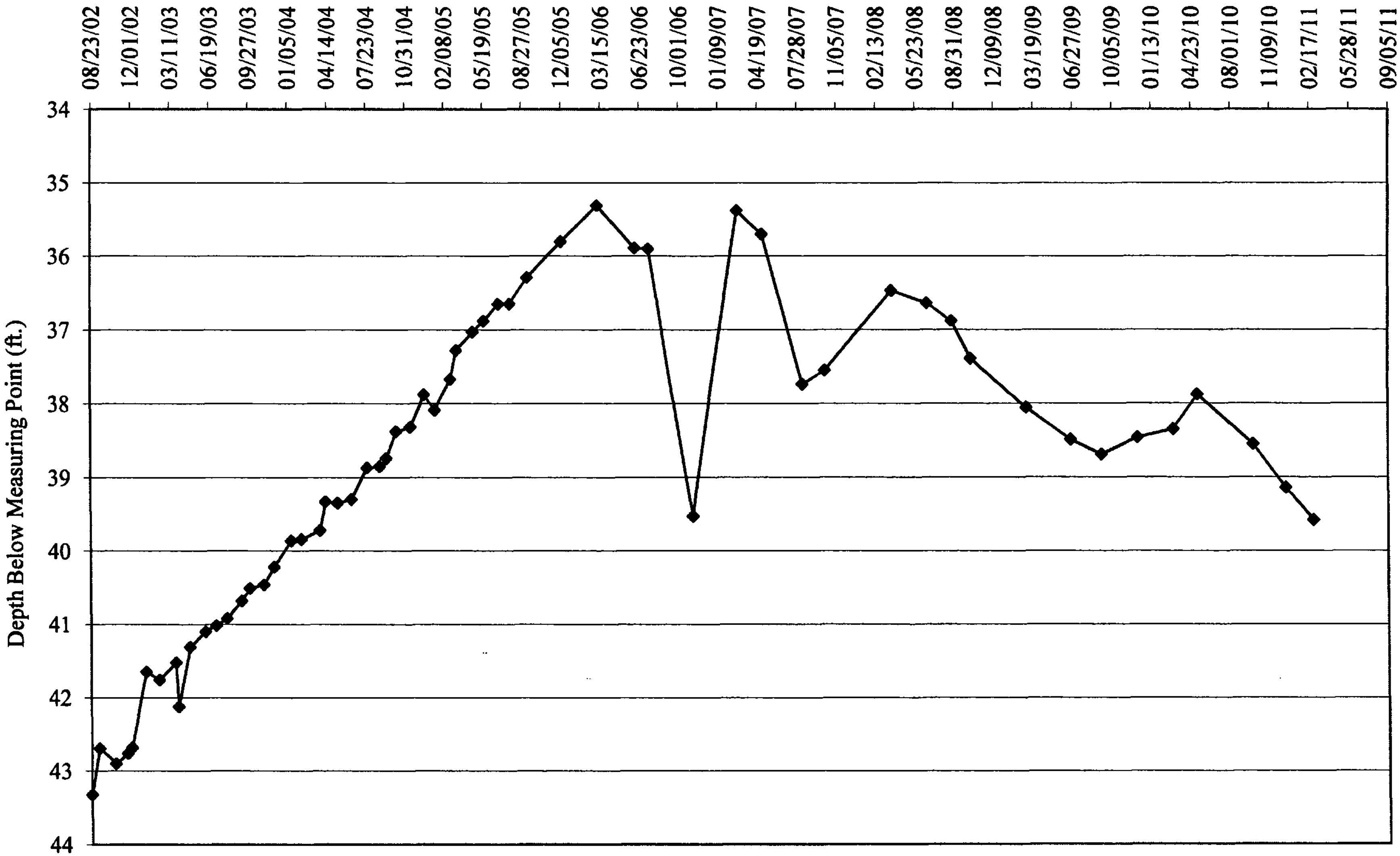
TW4-10 Water Depth Over Time (ft. blmp)



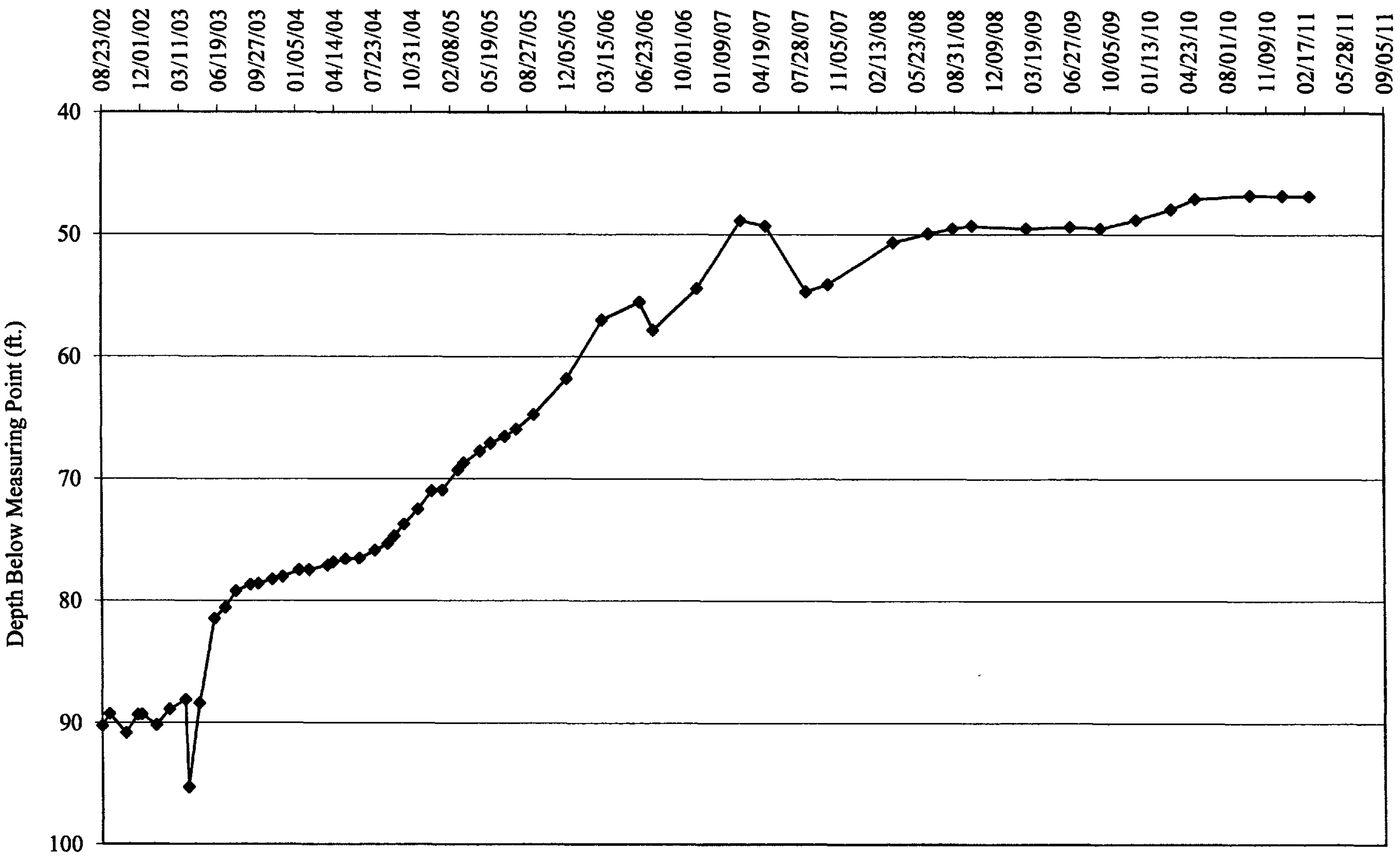
TW4-11 Water Depth Over Time (ft. blmp)



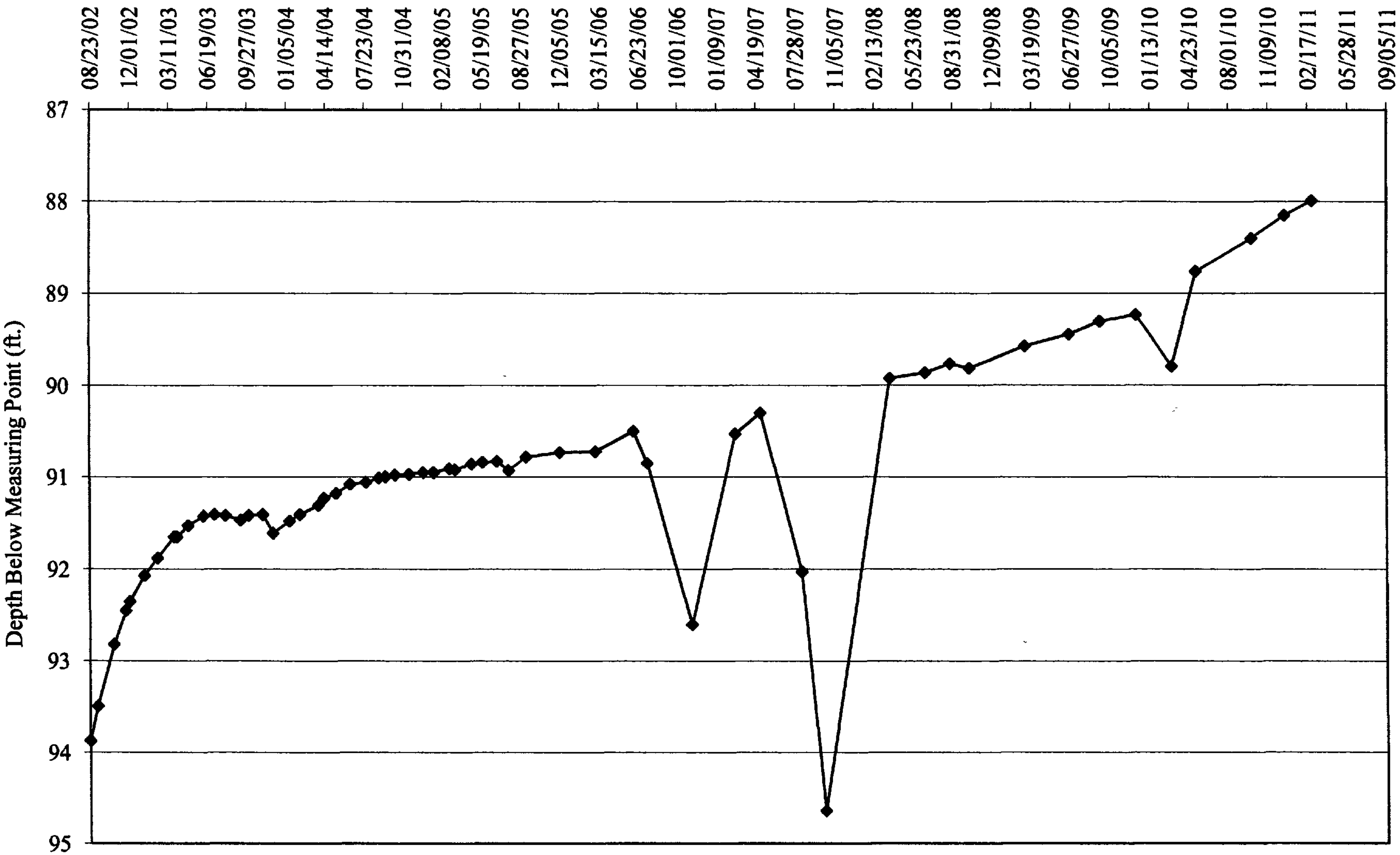
TW4-12 Water Depth Over Time (ft. blmp)

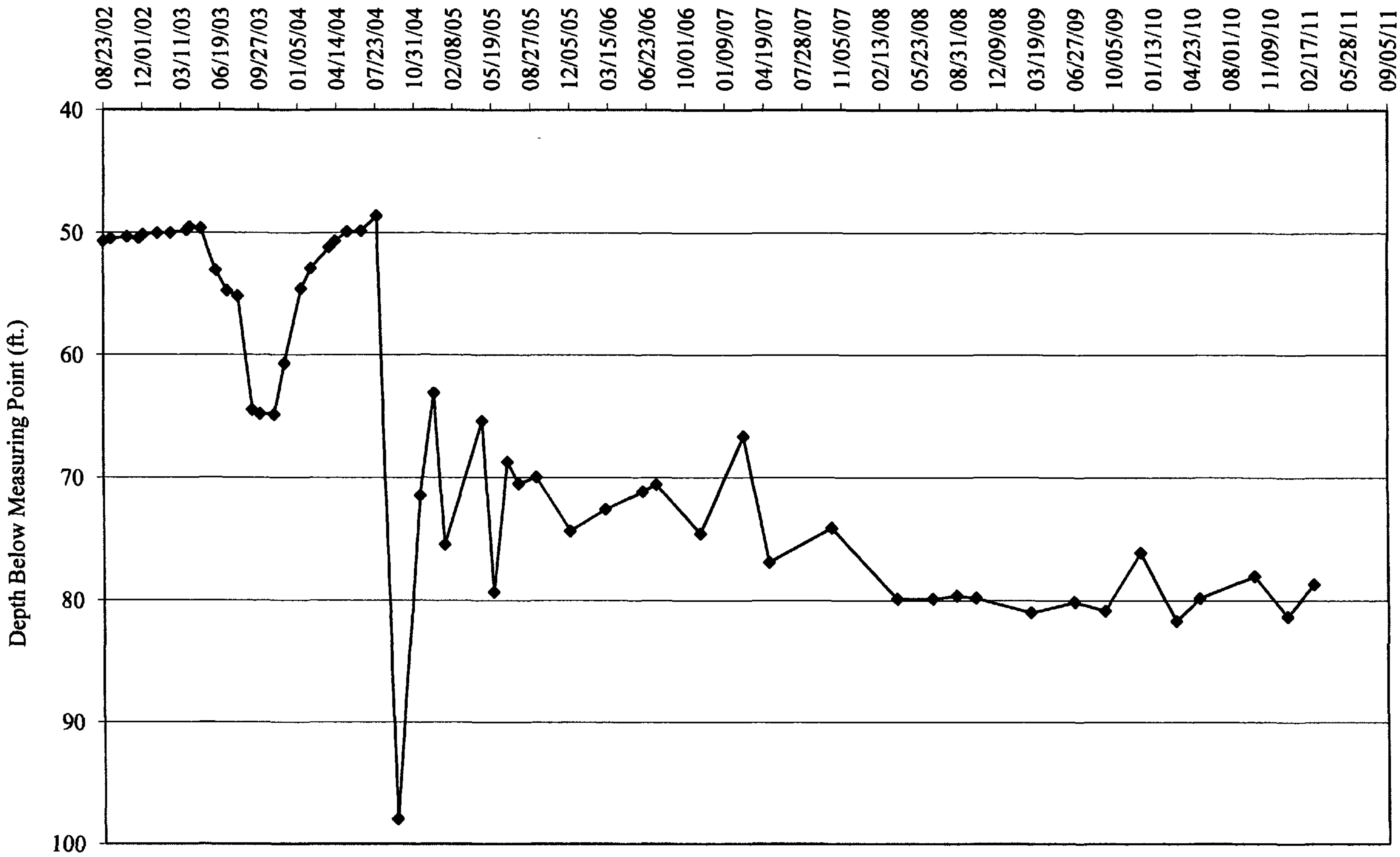


TW4-13 Water Depth Over Time (ft. blmp)



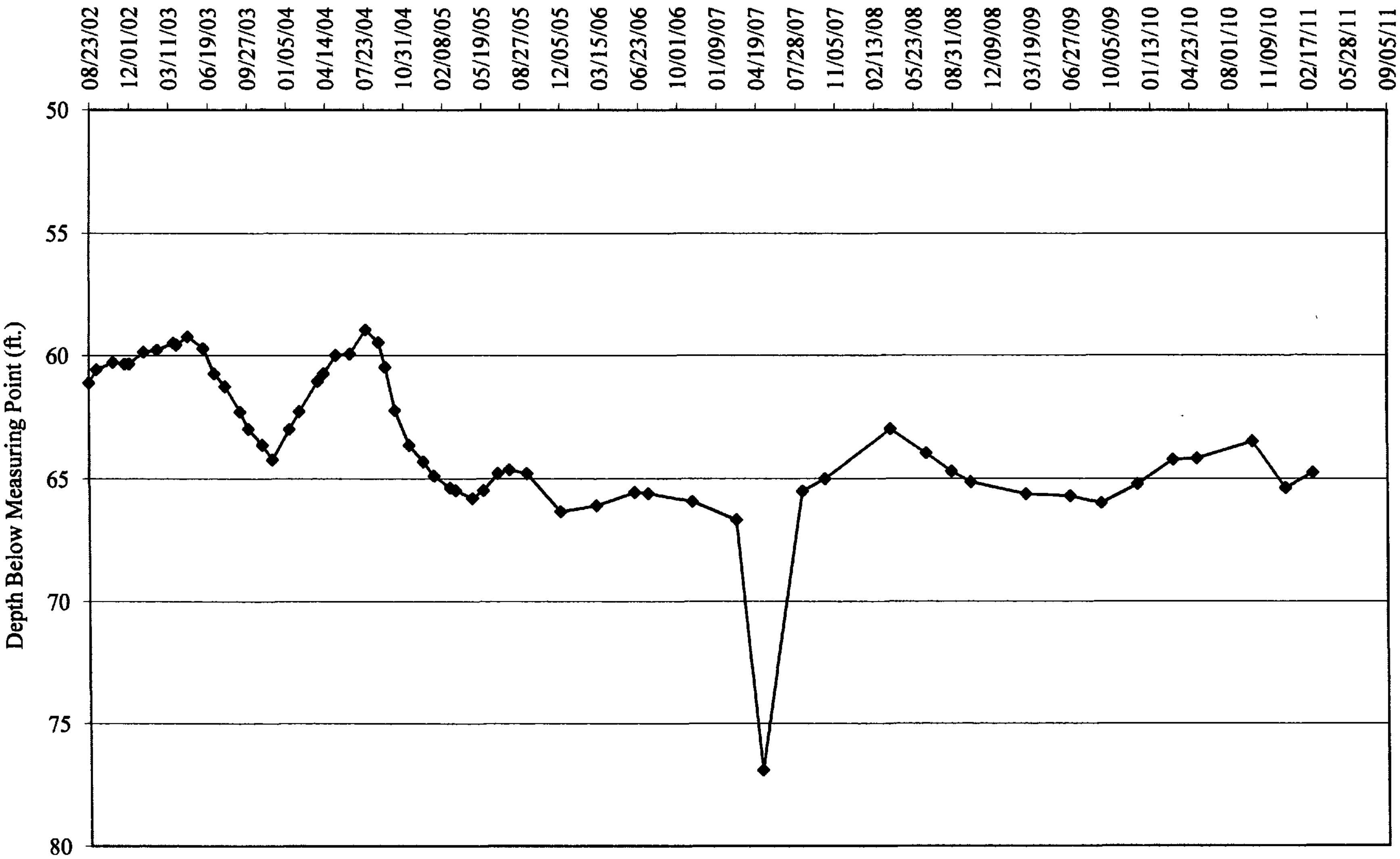
TW4-14 Water Depth Over Time (ft. blmp)



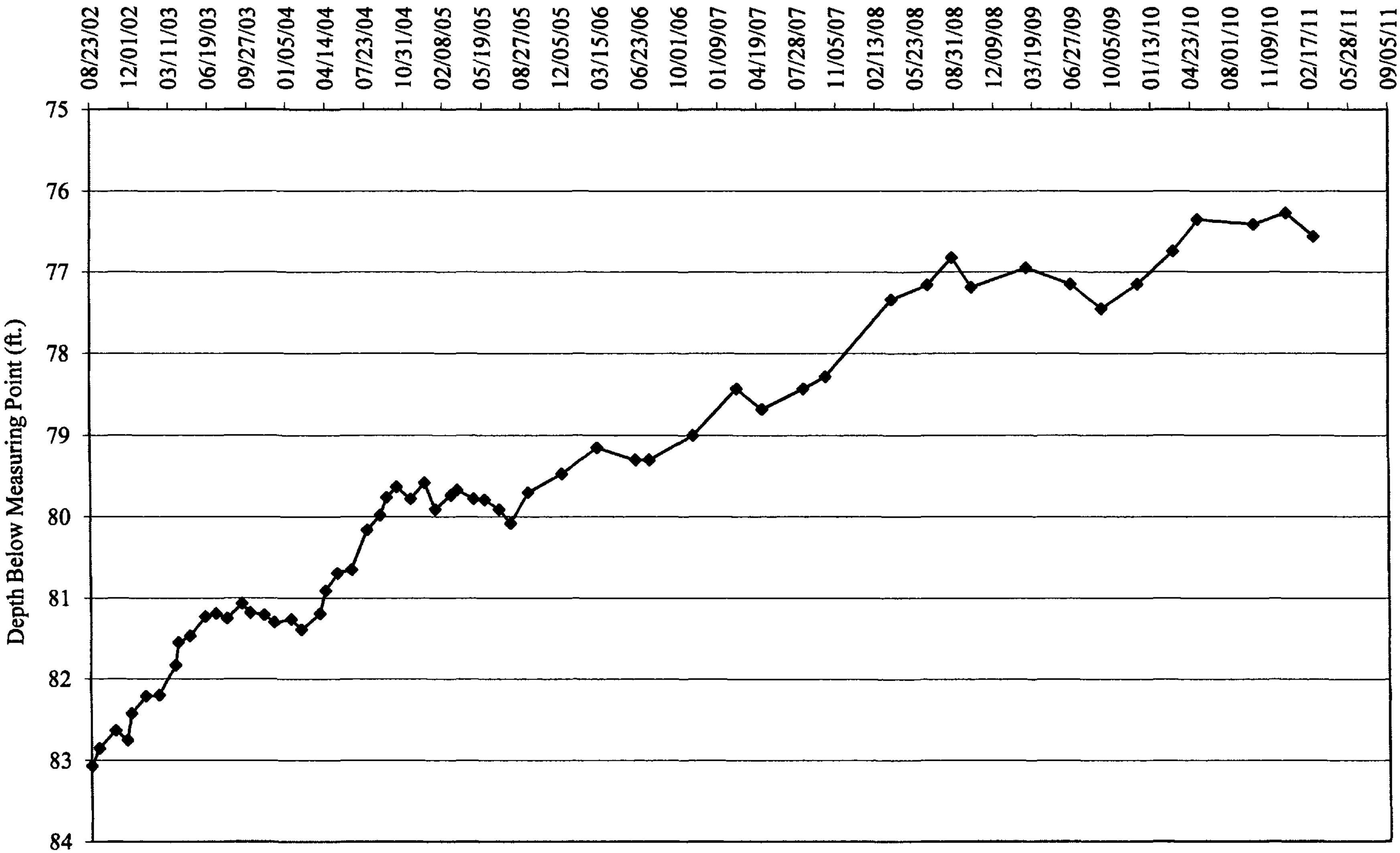


MW-26 Water Depth Over Time (ft. blmp)

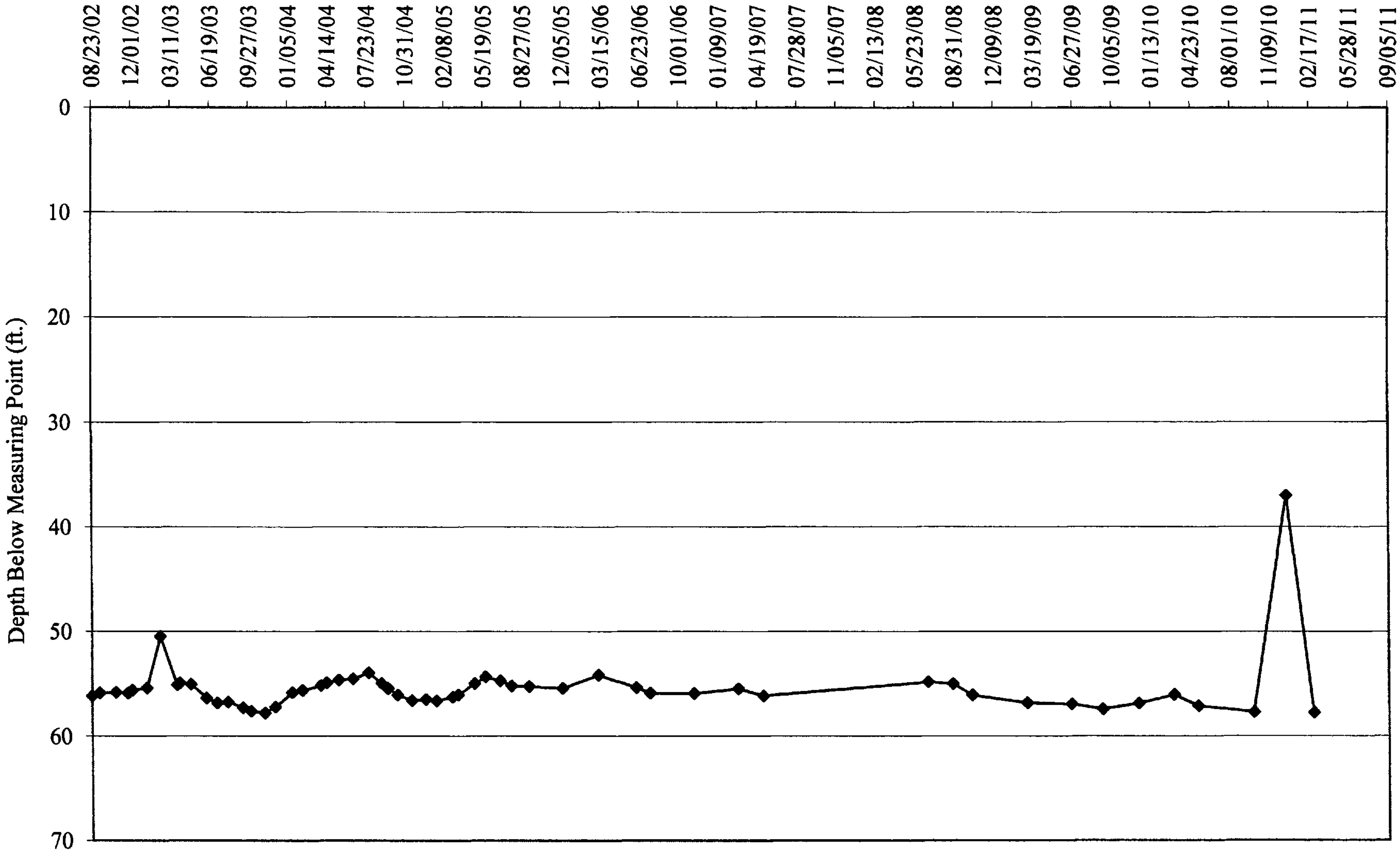
TW4-16 Water Depth Over Time (ft. blmp)



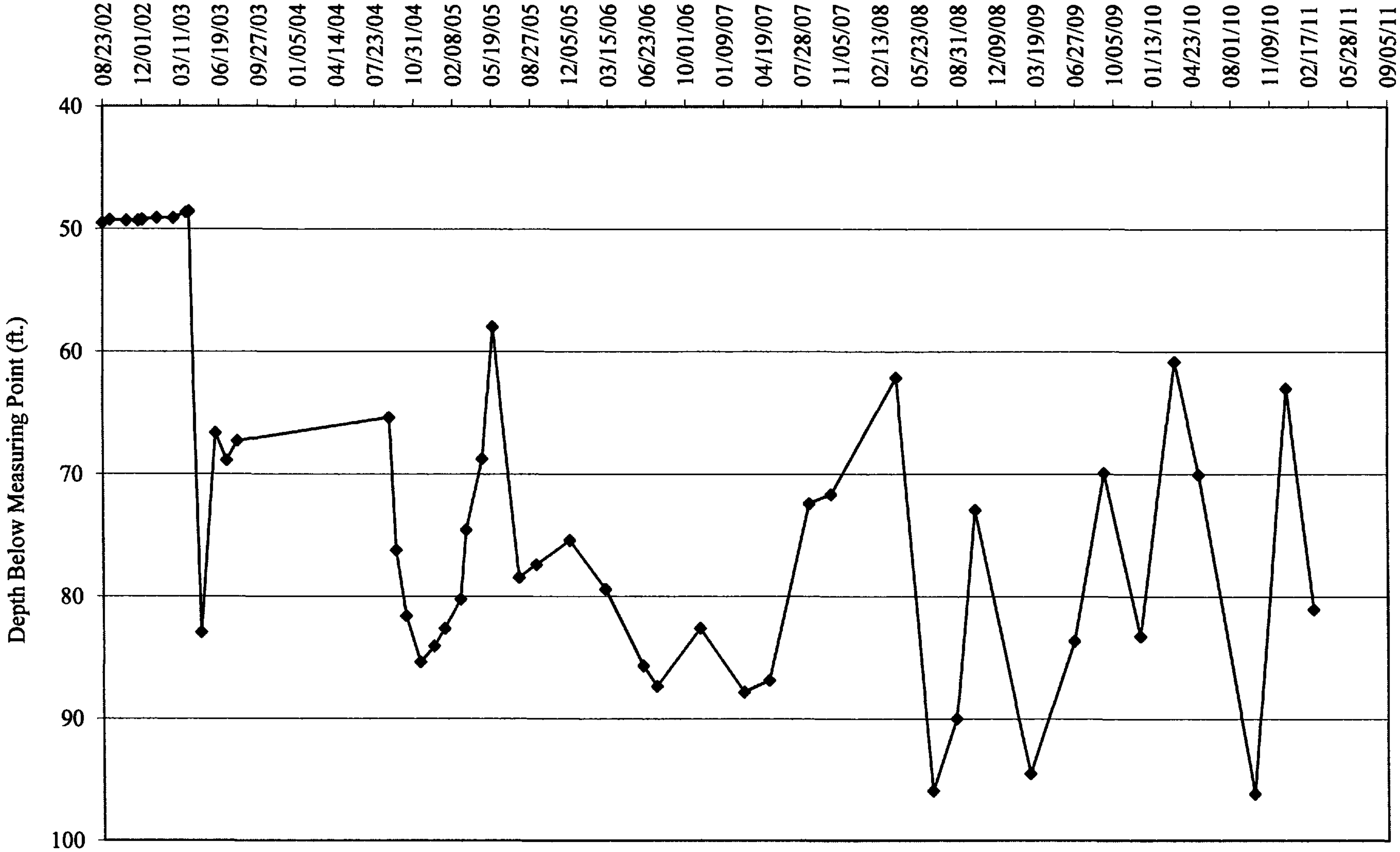
MW-32 Water Depth Over Time (ft. blmp)



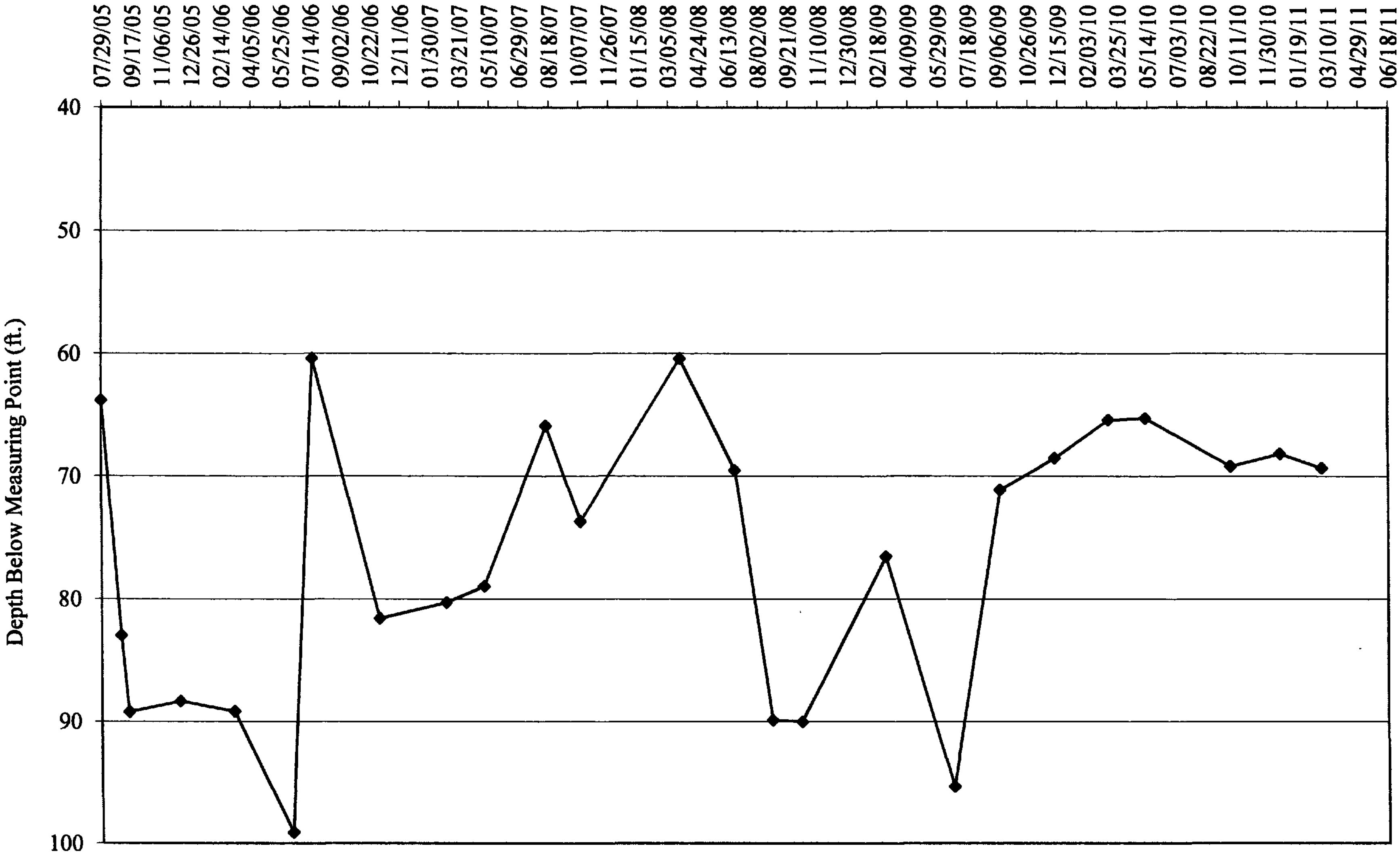
TW4-18 Water Depth Over Time (ft. blmp)



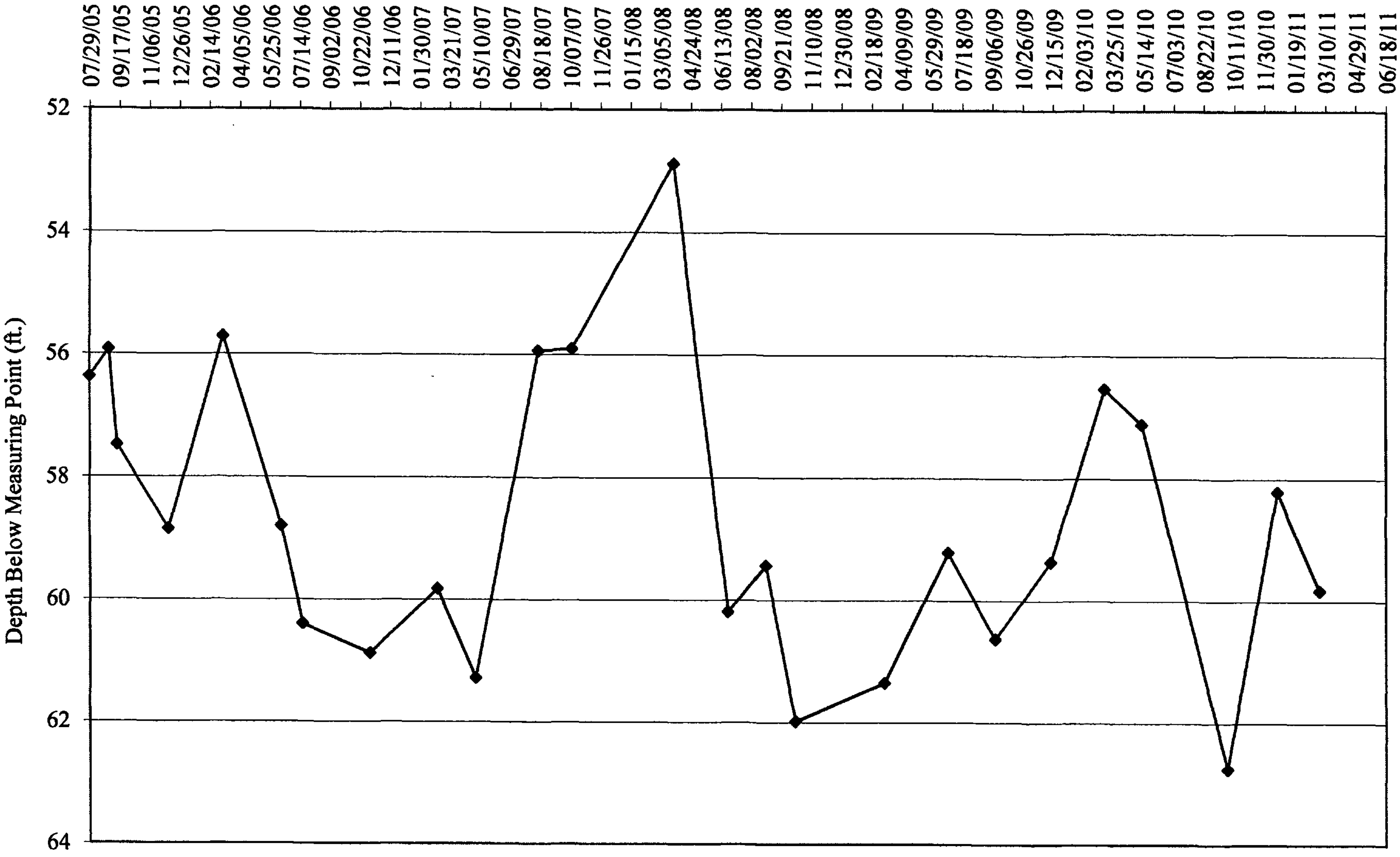
TW4-19 Water Depth Over Time (ft. blmp)



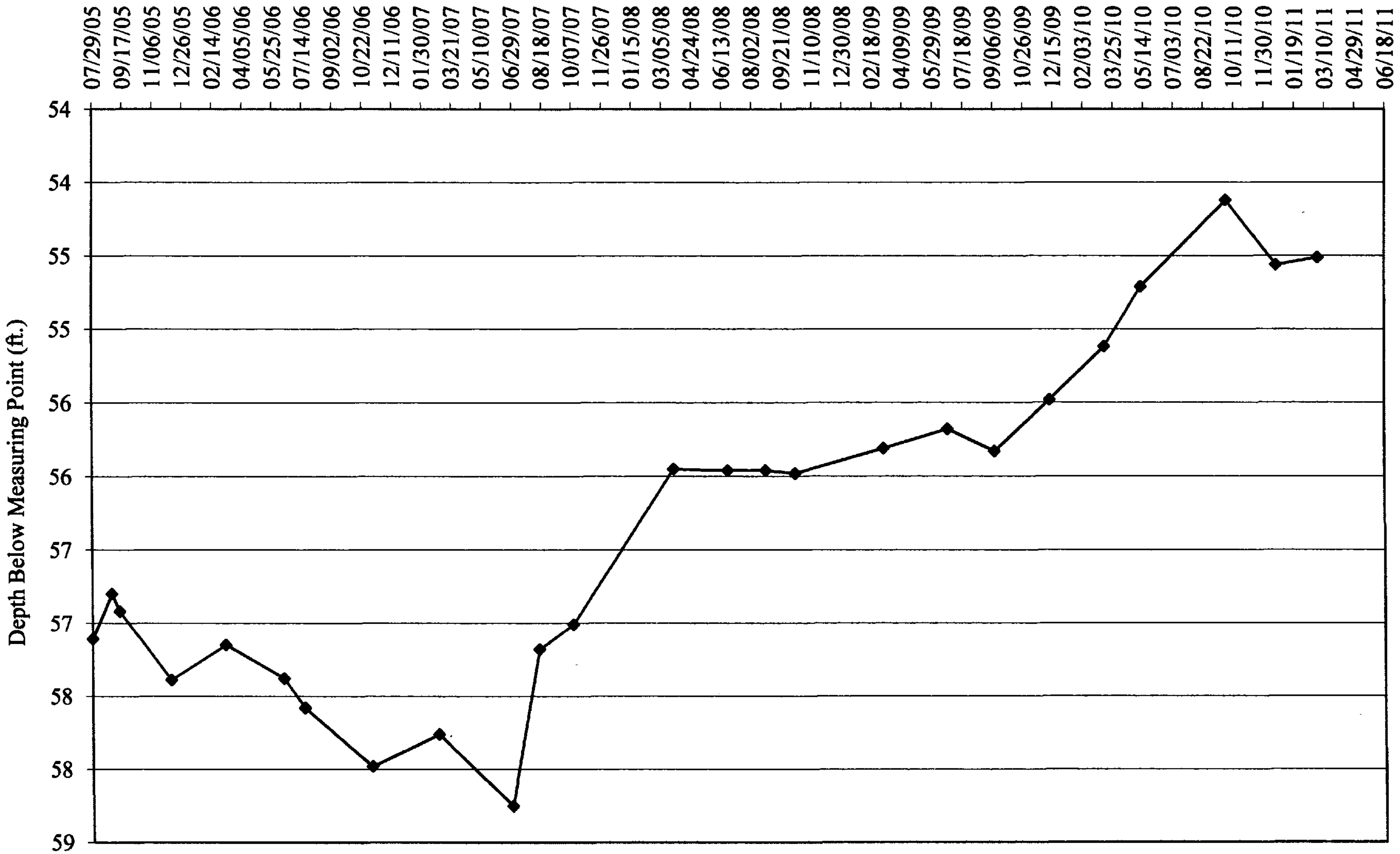
TW4-20 Water Depth Over Time (ft. blmp)



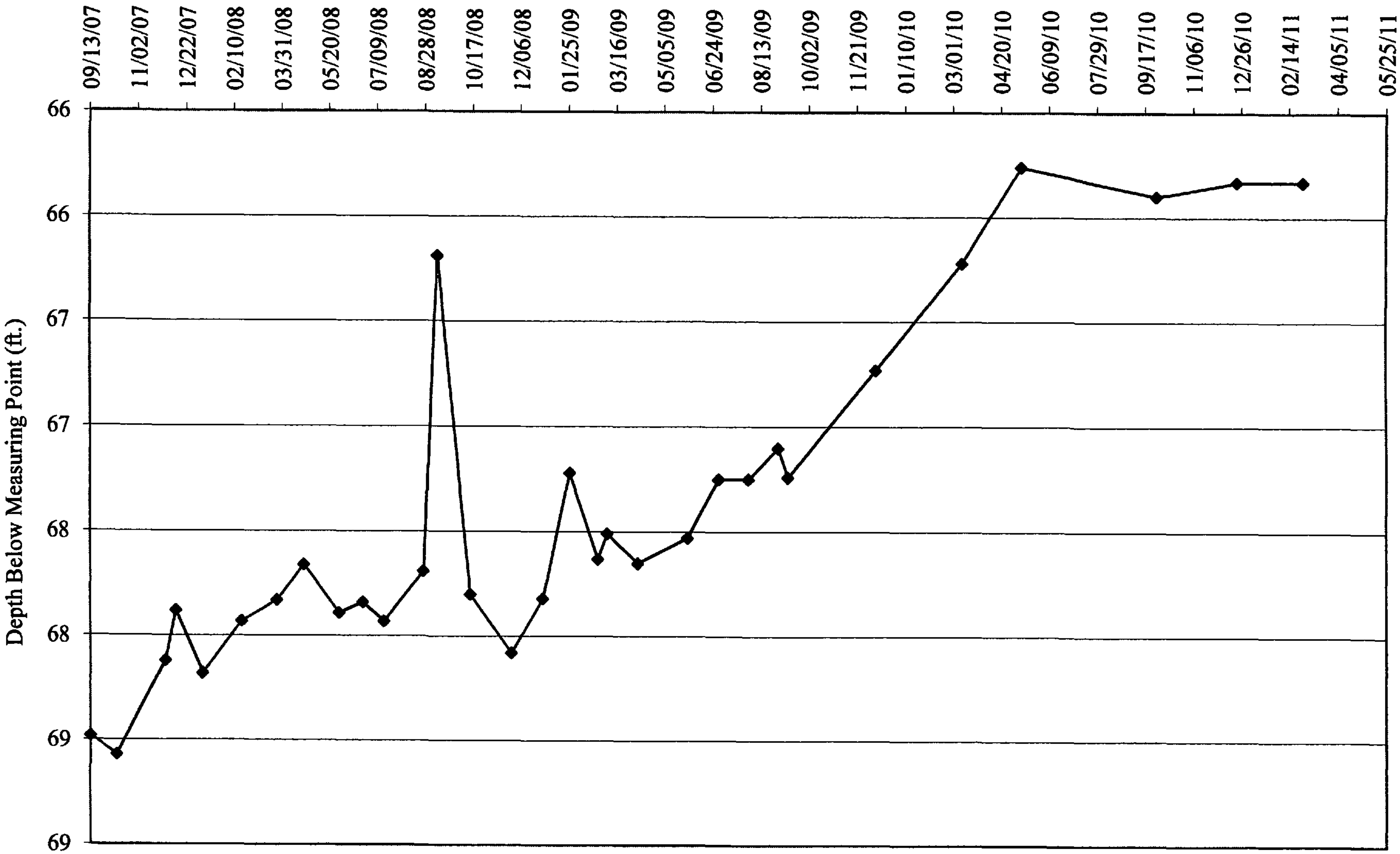
TW4-21 Water Depth Over Time (ft. blmp)



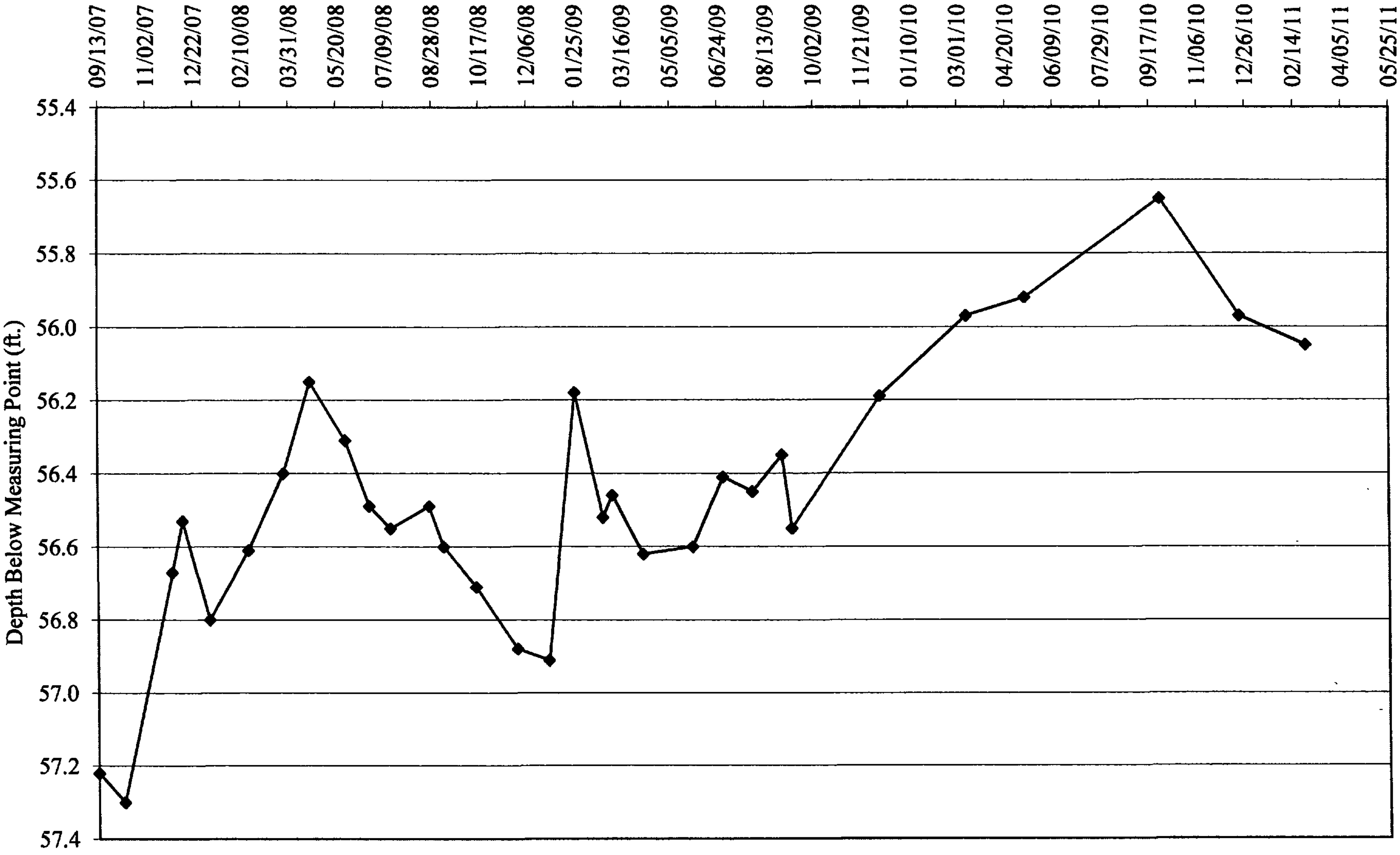
TW4-22 Water Depth Over Time (ft. blmp)



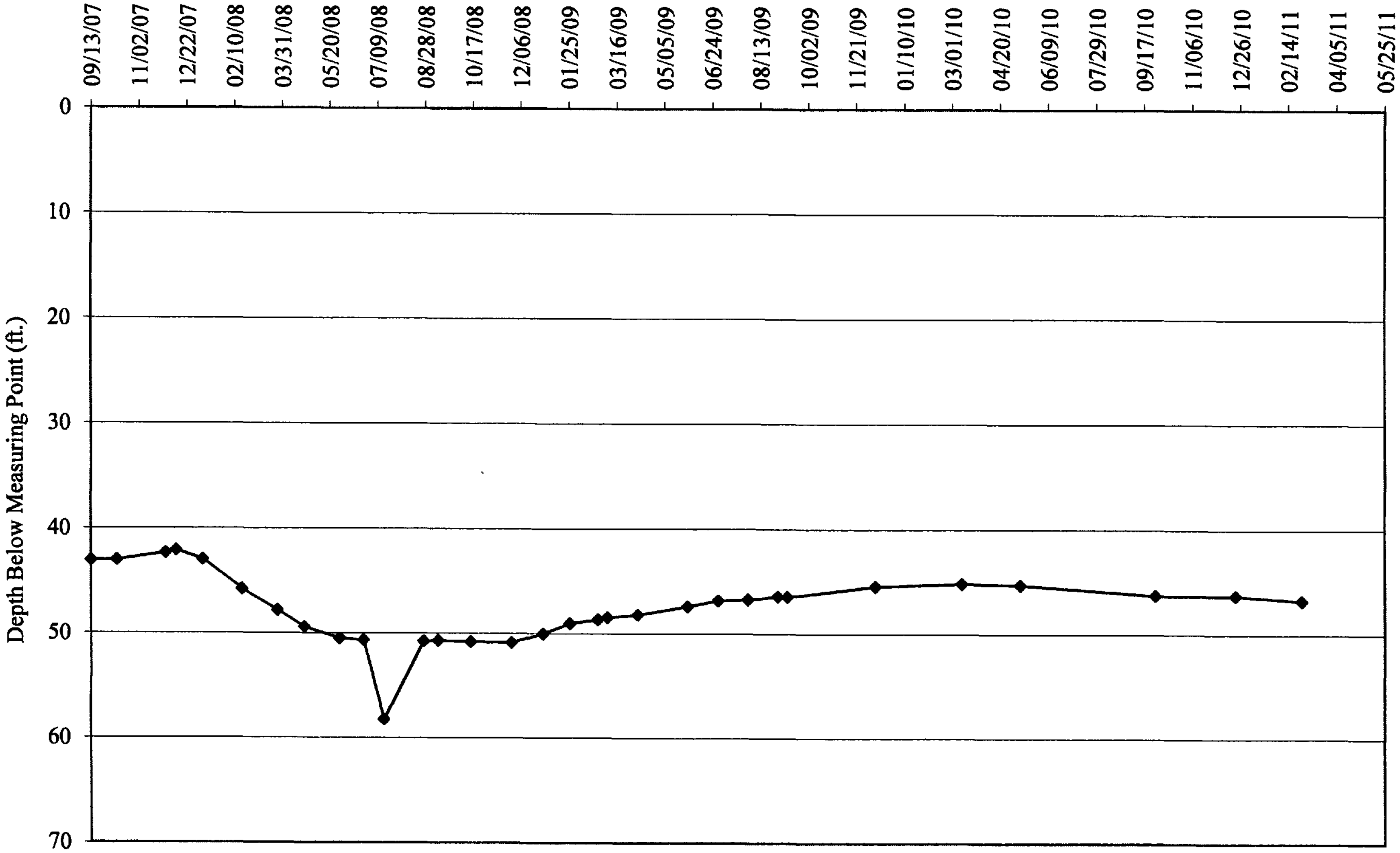
TW4-23 Water Depth Over Time (ft. blmp)



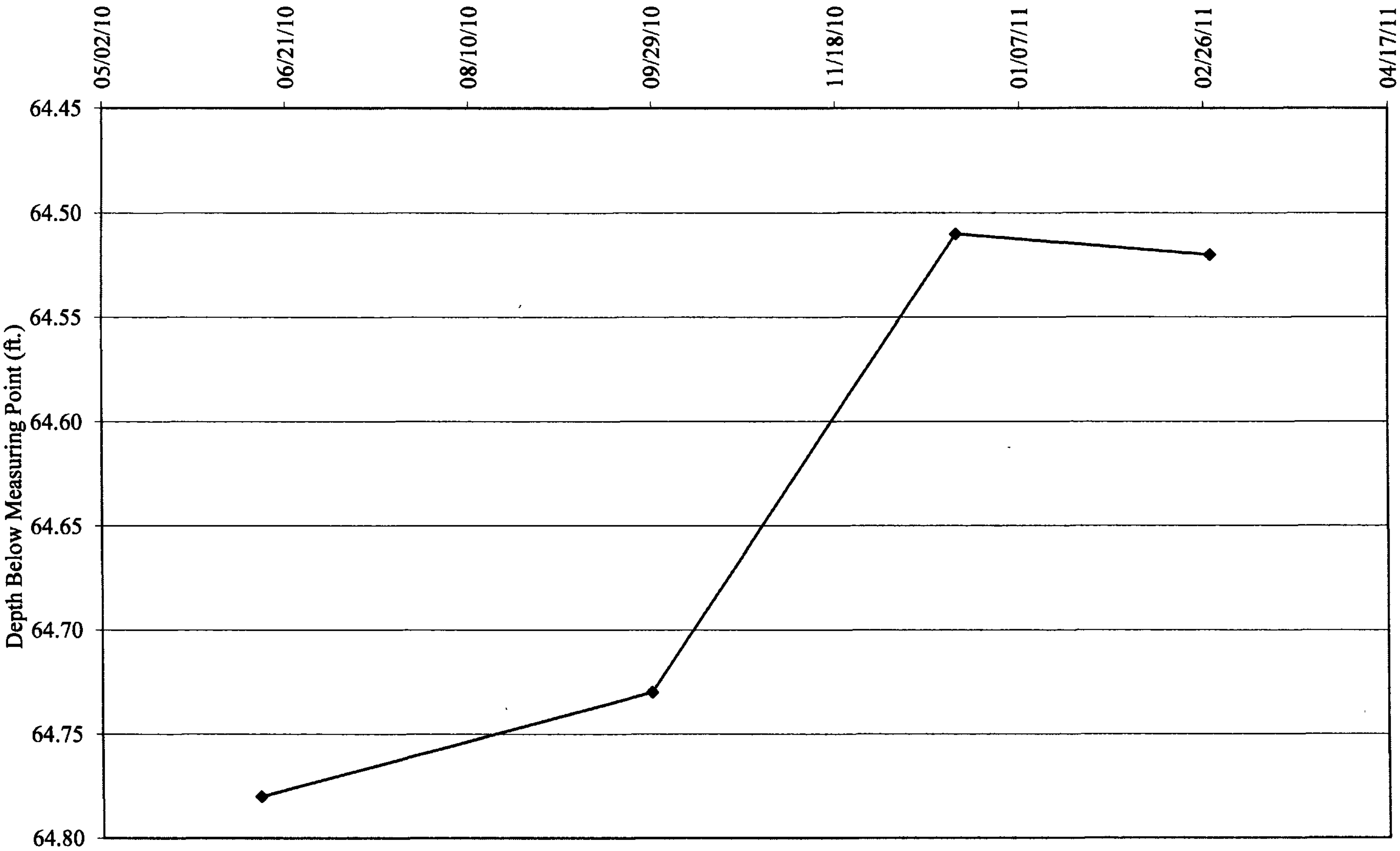
TW4-24 Water Depth Over Time (ft. blmp)



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



TW4-26 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	

Water Levels and Data over Time
White Mesa Mill - Well MW-4A

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
	5,620.51	5,622.31	1.80				121.33
5,560.53				8/23/02	61.78	59.98	
5,560.76				9/11/02	61.55	59.75	
5,560.96				10/23/02	61.35	59.55	
5,561.00				11/22/02	61.31	59.51	
5,561.19				12/3/02	61.12	59.32	
5,561.46				1/9/03	60.85	59.05	
5,561.48				2/12/03	60.83	59.03	
5,561.96				3/26/03	60.35	58.55	
5,561.94				4/2/03	60.37	58.57	
5,536.88				5/1/03	85.43	83.63	
5,529.35				6/9/03	92.96	91.16	
5,535.54				7/7/03	86.77	84.97	
5,534.74				8/4/03	87.57	85.77	
5,536.74				9/11/03	85.57	83.77	
5,540.24				10/2/03	82.07	80.27	
5,536.13				11/7/03	86.18	84.38	
5,550.77				12/3/03	71.54	69.74	
5,557.67				1/15/04	64.64	62.84	
5,558.87				2/10/04	63.44	61.64	
5,560.16				3/28/04	62.15	60.35	
5,560.63				4/12/04	61.68	59.88	
5,561.14				5/13/04	61.17	59.37	
5,561.56				6/18/04	60.75	58.95	
5,561.95				7/28/04	60.36	58.56	
5,529.25				8/30/04	93.06	91.26	
5,536.63				9/16/04	85.68	83.88	
5,529.08				10/11/04	93.23	91.43	
5,541.63				11/16/04	80.68	78.88	
5,541.20				12/22/04	81.11	79.31	
5,540.67				1/18/05	81.64	79.84	
5,543.45				2/28/05	78.86	77.06	
5,537.99				3/15/05	84.32	82.52	
5,549.27				4/26/05	73.04	71.24	
5,545.08				5/24/05	77.23	75.43	
5,544.94				6/30/05	77.37	75.57	
5,544.71				7/29/05	77.60	75.80	
5,545.23				9/12/05	77.08	75.28	
5,545.00				9/27/05	77.31	75.51	
5,537.45				12/7/05	84.86	83.06	
5,546.86				3/8/06	75.45	73.65	
5,546.66				6/13/06	75.65	73.85	
5,545.63				7/18/06	76.68	74.88	
5,546.18				11/7/06	76.13	74.33	

Water Levels and Data over Time
White Mesa Mill - Well MW-4A

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
	5,620.51	5,622.31	1.80				121.33
5,545.30				2/27/07	77.01	75.21	

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	5,622.33	1.02				111.04
5,540.98				11/08/99	81.35	80.33	
5,541.13				11/09/99	81.20	80.18	
5,541.23				01/02/00	81.10	80.08	
5,541.23				01/10/00	81.10	80.08	
5,540.98				01/17/00	81.35	80.33	
5,541.03				01/24/00	81.30	80.28	
5,541.03				02/01/00	81.30	80.28	
5,540.93				02/07/00	81.40	80.38	
5,541.23				02/14/00	81.10	80.08	
5,541.23				02/23/00	81.10	80.08	
5,541.33				03/01/00	81.00	79.98	
5,541.43				03/08/00	80.90	79.88	
5,541.73				03/15/00	80.60	79.58	
5,541.43				03/20/00	80.90	79.88	
5,541.43				03/29/00	80.90	79.88	
5,541.18				04/04/00	81.15	80.13	
5,540.93				04/13/00	81.40	80.38	
5,541.23				04/21/00	81.10	80.08	
5,541.43				04/28/00	80.90	79.88	
5,541.33				05/01/00	81.00	79.98	
5,541.63				05/11/00	80.70	79.68	
5,541.33				05/15/00	81.00	79.98	
5,541.63				05/25/00	80.70	79.68	
5,541.63				06/09/00	80.70	79.68	
5,541.65				06/16/00	80.68	79.66	
5,541.63				06/26/00	80.70	79.68	
5,541.85				07/06/00	80.48	79.46	
5,541.79				07/13/00	80.54	79.52	
5,541.91				07/18/00	80.42	79.40	
5,542.17				07/27/00	80.16	79.14	
5,542.31				08/02/00	80.02	79.00	
5,542.43				08/09/00	79.90	78.88	
5,542.41				08/15/00	79.92	78.90	
5,542.08				08/31/00	80.25	79.23	
5,542.93				09/01/00	79.40	78.38	
5,542.87				09/08/00	79.46	78.44	
5,543.09				09/13/00	79.24	78.22	
5,543.25				09/20/00	79.08	78.06	
5,543.44				10/05/00	78.89	77.87	
5,544.08				11/09/00	78.25	77.23	
5,544.49				12/06/00	77.84	76.82	
5,546.14				01/14/01	76.19	75.17	
5,547.44				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	5,622.33	1.02				111.04
5,548.71				03/29/01	73.62	72.60	
5,549.20				04/30/01	73.13	72.11	
5,549.64				05/31/01	72.69	71.67	
5,549.94				06/22/01	72.39	71.37	
5,550.25				07/10/01	72.08	71.06	
5,550.93				08/10/01	71.40	70.38	
5,551.34				09/19/01	70.99	69.97	
5,551.59				10/02/01	70.74	69.72	
5,549.64				05/31/01	72.69	71.67	
5,549.94				06/21/01	72.39	71.37	
5,550.25				07/10/01	72.08	71.06	
5,550.93				08/20/01	71.40	70.38	
5,551.34				09/19/01	70.99	69.97	
5,551.59				10/02/01	70.74	69.72	
5,551.87				11/08/01	70.46	69.44	
5,552.40				12/03/01	69.93	68.91	
5,552.62				01/03/02	69.71	68.69	
5,553.12				02/06/02	69.21	68.19	
5,553.75				03/26/02	68.58	67.56	
5,553.97				04/09/02	68.36	67.34	
5,554.56				05/23/02	67.77	66.75	
5,554.54				06/05/02	67.79	66.77	
5,554.83				07/08/02	67.50	66.48	
5,555.29				08/23/02	67.04	66.02	
5,555.54				09/11/02	66.79	65.77	
5,555.94				10/23/02	66.39	65.37	
5,556.02				11/22/02	66.31	65.29	
5,556.23				12/03/02	66.10	65.08	
5,556.49				01/09/03	65.84	64.82	
5,556.67				02/12/03	65.66	64.64	
5,557.15				03/26/03	65.18	64.16	
5,557.23				04/02/03	65.10	64.08	
5,556.07				05/01/03	66.26	65.24	
5,554.28				06/09/03	68.05	67.03	
5,553.84				07/07/03	68.49	67.47	
5,553.39				08/04/03	68.94	67.92	
5,553.06				09/11/03	69.27	68.25	
5,553.33				10/02/03	69.00	67.98	
5,553.25				11/07/03	69.08	68.06	
5,553.82				12/03/03	68.51	67.49	
5,555.61				01/15/04	66.72	65.70	
5,556.32				02/10/04	66.01	64.99	
5,557.38				03/28/04	64.95	63.93	

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	5,622.33	1.02				111.04
5,557.79				04/12/04	64.54	63.52	
5,558.35				05/13/04	63.98	62.96	
5,560.03				06/18/04	62.30	61.28	
5,560.36				07/28/04	61.97	60.95	
5,557.96				08/30/04	64.37	63.35	
5,557.24				09/16/04	65.09	64.07	
5,556.28				10/11/04	66.05	65.03	
5,556.17				11/16/04	66.16	65.14	
5,556.21				12/22/04	66.12	65.10	
5,555.82				01/18/05	66.51	65.49	
5,555.96				02/28/05	66.37	65.35	
5,556.01				03/15/05	66.32	65.30	
5,556.05				04/26/05	66.28	65.26	
5,556.00				05/24/05	66.33	65.31	
5,555.97				06/30/05	66.36	65.34	
5,555.90				07/29/05	66.43	65.41	
5,556.22				09/12/05	66.11	65.09	
5,556.25				12/07/05	66.08	65.06	
5,556.71				03/08/06	65.62	64.60	
5,556.98				06/14/06	65.35	64.33	
5,560.95				07/18/06	61.38	60.36	
5,557.07				11/07/06	65.26	64.24	
5,558.10				02/27/07	64.23	63.21	
5,557.82				05/02/07	64.51	63.49	
5,557.82				08/14/07	64.51	63.49	
5,557.63				10/10/07	64.70	63.68	
5,559.48				03/26/08	62.85	61.83	
5,560.35				06/24/08	61.98	60.96	
5,560.58				08/26/08	61.75	60.73	
5,560.62				10/14/08	61.71	60.69	
5,560.65				03/10/09	61.68	60.66	
5,560.66				06/24/09	61.67	60.65	
5,560.36				09/10/09	61.97	60.95	
5,560.53				12/11/09	61.8	60.78	
5,560.50				03/11/10	61.83	60.81	
5,559.94				05/11/10	62.39	61.37	
5,559.01				09/29/10	63.32	62.30	
5,558.41				12/21/10	63.92	62.90	
5,558.49				02/28/11	63.84	62.82	

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	5,625.00	1.90				121.125
5,548.85				11/08/99	76.15	74.25	
5,548.85				11/09/99	76.15	74.25	
5,548.60				01/02/00	76.40	74.50	
5,548.80				01/10/00	76.20	74.30	
5,548.60				01/17/00	76.40	74.50	
5,549.00				01/24/00	76.00	74.10	
5,548.90				02/01/00	76.10	74.20	
5,548.90				02/07/00	76.10	74.20	
5,549.30				02/14/00	75.70	73.80	
5,549.40				02/23/00	75.60	73.70	
5,549.50				03/01/00	75.50	73.60	
5,549.60				03/08/00	75.40	73.50	
5,549.50				03/15/00	75.50	73.60	
5,550.20				03/20/00	74.80	72.90	
5,550.00				03/29/00	75.00	73.10	
5,549.70				04/04/00	75.30	73.40	
5,549.80				04/13/00	75.20	73.30	
5,550.00				04/21/00	75.00	73.10	
5,550.10				04/28/00	74.90	73.00	
5,550.10				05/01/00	74.90	73.00	
5,550.40				05/11/00	74.60	72.70	
5,550.10				05/15/00	74.90	73.00	
5,550.40				05/25/00	74.60	72.70	
5,550.40				06/09/00	74.60	72.70	
5,550.50				06/16/00	74.50	72.60	
5,550.35				06/26/00	74.65	72.75	
5,550.45				07/06/00	74.55	72.65	
5,550.45				07/13/00	74.55	72.65	
5,550.46				07/18/00	74.54	72.64	
5,550.61				07/27/00	74.39	72.49	
5,550.66				08/02/00	74.34	72.44	
5,550.68				08/09/00	74.32	72.42	
5,550.70				08/15/00	74.30	72.40	
5,550.82				08/31/00	74.18	72.28	
5,551.15				09/08/00	73.85	71.95	
5,551.25				09/13/00	73.75	71.85	
5,551.32				09/20/00	73.68	71.78	
5,546.11				10/05/00	78.89	76.99	
5,546.75				11/09/00	78.25	76.35	
5,547.16				12/06/00	77.84	75.94	
5,552.46				01/26/01	72.54	70.64	
5,552.48				02/02/01	72.52	70.62	
5,551.38				03/29/01	73.62	71.72	

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	5,625.00	1.90				121.125
5,551.87				04/30/01	73.13	71.23	
5,552.31				05/31/01	72.69	70.79	
5,552.61				06/21/01	72.39	70.49	
5,552.92				07/10/01	72.08	70.18	
5,553.60				08/20/01	71.40	69.50	
5,554.01				09/19/01	70.99	69.09	
5,554.26				10/02/01	70.74	68.84	
5,554.42				11/08/01	70.58	68.68	
5,555.07				12/03/01	69.93	68.03	
5,555.02				01/03/02	69.98	68.08	
5,555.19				02/06/02	69.81	67.91	
5,555.43				03/26/02	69.57	67.67	
5,555.67				04/09/02	69.33	67.43	
5,556.01				05/23/02	68.99	67.09	
5,556.07				06/05/02	68.93	67.03	
5,556.19				07/08/02	68.81	66.91	
5,556.32				08/23/02	68.68	66.78	
5,556.53				09/11/02	68.47	66.57	
5,557.00				10/23/02	68.00	66.10	
5,556.70				11/22/02	68.30	66.40	
5,557.29				12/03/02	67.71	65.81	
5,557.48				01/09/03	67.52	65.62	
5,557.63				02/12/03	67.37	65.47	
5,558.11				03/26/03	66.89	64.99	
5,558.15				04/02/03	66.85	64.95	
5,553.99				05/01/03	71.01	69.11	
5,549.26				06/09/03	75.74	73.84	
5,548.42				07/07/03	76.58	74.68	
5,548.03				08/04/03	76.97	75.07	
5,547.50				09/11/03	77.50	75.60	
5,547.96				10/02/03	77.04	75.14	
5,547.80				11/07/03	77.20	75.30	
5,548.57				12/03/03	76.43	74.53	
5,554.28				01/15/04	70.72	68.82	
5,555.74				02/10/04	69.26	67.36	
5,557.18				03/28/04	67.82	65.92	
5,557.77				04/12/04	67.23	65.33	
5,558.35				05/13/04	66.65	64.75	
5,558.47				06/18/04	66.53	64.63	
5,559.28				07/28/04	65.72	63.82	
5,554.54				08/30/04	70.46	68.56	
5,552.25				09/16/04	72.75	70.85	
5,549.93				10/11/04	75.07	73.17	

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	5,625.00	1.90				121.125
5,550.17				11/16/04	74.83	72.93	
5,550.65				12/22/04	74.35	72.45	
5,550.23				01/18/05	74.77	72.87	
5,550.37				02/28/05	74.63	72.73	
5,550.41				03/15/05	74.59	72.69	
5,550.46				04/26/05	74.54	72.64	
5,550.60				05/24/05	74.40	72.50	
5,550.49				06/30/05	74.51	72.61	
5,550.39				07/29/05	74.61	72.71	
5,550.61				09/12/05	74.39	72.49	
5,550.57				12/07/05	74.43	72.53	
5,551.58				03/08/06	73.42	71.52	
5,551.70				06/14/06	73.3	71.40	
5,550.80				07/18/06	74.20	72.30	
5550.80				11/07/06	74.20	72.30	
5553.17				02/27/07	71.83	69.93	
5,552.34				05/02/07	72.66	70.76	
5,552.30				08/14/07	72.7	70.80	
5,552.48				10/10/07	72.52	70.62	
5,554.86				03/26/08	70.14	68.24	
5,555.51				06/24/08	69.49	67.59	
5,555.57				08/26/08	69.43	67.53	
5,555.71				10/14/08	69.29	67.39	
5,556.01				03/10/09	68.99	67.09	
5,556.53				06/24/09	68.47	66.57	
5,556.22				09/10/09	68.78	66.88	
5,556.81				12/11/09	68.19	66.29	
5,558.15				03/11/10	66.85	64.95	
5,557.91				05/11/10	67.09	65.19	
5,557.52				09/29/10	67.48	65.58	
5,557.28				12/21/10	67.72	65.82	
5,557.89				02/28/11	67.11	65.21	

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	
5,570.70				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	

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
5,579.47				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	
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	

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	
5,530.265				05/31/01	83.22	82.04	
5,534.405				06/21/01	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	

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
5,538.825				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	
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	
5546.675				02/27/07	66.81	65.63	

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
5,546.535				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	
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	

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	
5,582.72				05/31/01	57.98	56.03	
5,582.81				06/21/01	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	

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
5,587.13				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	
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	
5585.81				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	

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	
5,522.89				05/31/01	85.89	84.44	
5,522.88				06/21/01	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	

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
5,524.36				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	
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	

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
5,534.04				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	
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	

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	

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	5,618.21	1.41				126.00
5,543.21				11/29/99	75.00	73.59	
5,543.01				01/02/00	75.20	73.79	
5,543.31				01/10/00	74.90	73.49	
5,543.11				01/17/00	75.10	73.69	
5,543.41				01/24/00	74.80	73.39	
5,543.31				02/01/00	74.90	73.49	
5,543.31				02/07/00	74.90	73.49	
5,543.71				02/14/00	74.50	73.09	
5,543.76				02/23/00	74.45	73.04	
5,543.86				03/01/00	74.35	72.94	
5,543.86				03/08/00	74.35	72.94	
5,543.91				03/15/00	74.30	72.89	
5,544.31				03/20/00	73.90	72.49	
5,544.21				03/29/00	74.00	72.59	
5,544.01				04/04/00	74.20	72.79	
5,544.21				04/13/00	74.00	72.59	
5,544.41				04/21/00	73.80	72.39	
5,544.51				04/28/00	73.70	72.29	
5,544.51				05/01/00	73.70	72.29	
5,544.81				05/11/00	73.40	71.99	
5,544.51				05/15/00	73.70	72.29	
5,544.71				05/25/00	73.50	72.09	
5,544.71				06/09/00	73.50	72.09	
5,544.81				06/16/00	73.40	71.99	
5,544.68				06/26/00	73.53	72.12	
5,544.76				07/06/00	73.45	72.04	
5,544.77				07/13/00	73.44	72.03	
5,544.76				07/18/00	73.45	72.04	
5,544.92				07/27/00	73.29	71.88	
5,544.96				08/02/00	73.25	71.84	
5,544.98				08/09/00	73.23	71.82	
5,544.97				08/15/00	73.24	71.83	
5,545.21				08/31/00	73.00	71.59	
5,545.31				09/08/00	72.90	71.49	
5,545.43				09/13/00	72.78	71.37	
5,545.56				09/20/00	72.65	71.24	
5,545.57				10/05/00	72.64	71.23	
5,545.81				11/09/00	72.40	70.99	
5,545.66				12/06/00	72.55	71.14	
5,546.28				01/03/01	71.93	70.52	
5,546.70				02/09/01	71.51	70.10	
5,547.18				03/27/01	71.03	69.62	
5,547.31				04/30/01	70.90	69.49	

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	5,618.21	1.41				126.00
5,547.49				05/31/01	70.72	69.31	
5,547.49				06/20/01	70.72	69.31	
5,547.83				07/10/01	70.38	68.97	
5,548.13				08/20/01	70.08	68.67	
5,548.30				09/19/01	69.91	68.50	
5,548.45				10/02/01	69.76	68.35	
5,547.49				05/31/01	70.72	69.31	
5,547.54				06/21/01	70.67	69.26	
5,547.83				07/10/01	70.38	68.97	
5,548.13				08/20/01	70.08	68.67	
5,548.30				09/19/01	69.91	68.50	
5,548.45				10/02/01	69.76	68.35	
5,548.62				11/08/01	69.59	68.18	
5,549.03				12/03/01	69.18	67.77	
5,548.97				01/03/02	69.24	67.83	
5,549.19				02/06/02	69.02	67.61	
5,549.66				03/26/02	68.55	67.14	
5,549.64				04/09/02	68.57	67.16	
5,550.01				05/23/02	68.20	66.79	
5,549.97				06/05/02	68.24	66.83	
5,550.13				07/08/02	68.08	66.67	
5,550.30				08/23/02	67.91	66.50	
5,550.50				09/11/02	67.71	66.30	
5,550.90				10/23/02	67.31	65.90	
5,550.83				11/22/02	67.38	65.97	
5,551.04				12/03/02	67.17	65.76	
5,551.24				01/09/03	66.97	65.56	
5,551.23				02/12/03	66.98	65.57	
5,551.52				03/26/03	66.69	65.28	
5,551.64				04/02/03	66.57	65.16	
5,549.02				05/01/03	69.19	67.78	
5,544.74				06/09/03	73.47	72.06	
5,543.78				07/07/03	74.43	73.02	
5,543.39				08/04/03	74.82	73.41	
5,543.05				09/11/03	75.16	73.75	
5,543.19				10/02/03	75.02	73.61	
5,543.21				11/07/03	75.00	73.59	
5,543.40				12/03/03	74.81	73.40	
5,548.10				01/15/04	70.11	68.70	
5,549.50				02/10/04	68.71	67.30	
5,550.87				03/28/04	67.34	65.93	
5,551.33				04/12/04	66.88	65.47	
5,551.87				05/13/04	66.34	64.93	

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	5,618.21	1.41				126.00
5,551.92				06/18/04	66.29	64.88	
5,552.69				07/28/04	65.52	64.11	
5,549.78				08/30/04	68.43	67.02	
5,547.46				09/16/04	70.75	69.34	
5,545.21				10/11/04	73.00	71.59	
5,545.09				11/16/04	73.12	71.71	
5,545.61				12/22/04	72.60	71.19	
5,545.24				01/18/05	72.97	71.56	
5,545.42				02/28/05	72.79	71.38	
5,545.45				03/15/05	72.76	71.35	
5,545.46				04/26/05	72.75	71.34	
5,545.66				05/24/05	72.55	71.14	
5,545.54				06/30/05	72.67	71.26	
5,545.43				07/29/05	72.78	71.37	
5,545.61				09/12/05	72.60	71.19	
5,545.52				12/07/05	72.69	71.28	
5,546.53				03/08/06	71.68	70.27	
5,546.51				06/13/06	71.70	70.29	
5,546.51				07/18/06	71.70	70.29	
5,546.46				11/07/06	71.75	70.34	
5,547.92				02/27/07	70.29	68.88	
5,547.01				05/02/07	71.20	69.79	
5,547.40				08/14/07	70.81	69.40	
5,547.57				10/10/07	70.64	69.23	
5,548.76				03/26/08	69.45	68.04	
5,549.17				06/24/08	69.04	67.63	
5,549.31				08/26/08	68.9	67.49	
5,549.37				10/14/08	68.84	67.43	
5,549.72				03/03/09	68.49	67.08	
5,550.08				06/24/09	68.13	66.72	
5,549.93				09/10/09	68.28	66.87	
5,550.44				12/11/09	67.77	66.36	
5,551.46				03/11/10	66.75	65.34	
5,551.38				05/11/10	66.83	65.42	
5,551.15				09/29/10	67.06	65.65	
5,550.90				12/21/10	67.31	65.90	
5,551.31				02/28/11	66.9	65.49	

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	
5,581.04				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	

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
5,584.96				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	
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	

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				121.33
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				121.33
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	

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				121.33
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				121.33
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	65.7	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	59.3	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	56.30	
5,565.42				02/28/11	58.2	56.50	

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	5,624.03	1.65				121.33
5,580.71				08/23/02	43.32	41.67	
5,581.34				09/11/02	42.69	41.04	
5,581.13				10/23/02	42.90	41.25	
5,581.27				11/22/02	42.76	41.11	
5,581.35				12/03/02	42.68	41.03	
5,582.38				01/09/03	41.65	40.00	
5,582.27				02/12/03	41.76	40.11	
5,582.51				03/26/03	41.52	39.87	
5,581.91				04/02/03	42.12	40.47	
5,582.72				05/01/03	41.31	39.66	
5,582.93				06/09/03	41.10	39.45	
5,583.01				07/07/03	41.02	39.37	
5,583.11				08/04/03	40.92	39.27	
5,583.35				09/11/03	40.68	39.03	
5,583.52				10/02/03	40.51	38.86	
5,583.57				11/07/03	40.46	38.81	
5,583.81				12/03/03	40.22	38.57	
5,584.17				01/15/04	39.86	38.21	
5,584.19				02/10/04	39.84	38.19	
5,584.31				03/28/04	39.72	38.07	
5,584.70				04/12/04	39.33	37.68	
5,584.68				05/13/04	39.35	37.70	
5,584.73				06/18/04	39.30	37.65	
5,585.16				07/28/04	38.87	37.22	
5,585.18				08/30/04	38.85	37.20	
5,585.29				09/16/04	38.74	37.09	
5,585.65				10/11/04	38.38	36.73	
5,585.71				11/16/04	38.32	36.67	
5,586.15				12/22/04	37.88	36.23	
5,585.94				01/18/05	38.09	36.44	
5,586.36				02/28/05	37.67	36.02	
5,586.75				03/15/05	37.28	35.63	
5,587.00				04/26/05	37.03	35.38	
5,587.15				05/24/05	36.88	35.23	
5,587.38				06/30/05	36.65	35.00	
5,587.38				07/29/05	36.65	35.00	
5,587.74				09/12/05	36.29	34.64	
5,588.23				12/07/05	35.80	34.15	
5,588.72				03/08/06	35.31	33.66	
5,588.14				06/13/06	35.89	34.24	
5,588.13				07/18/06	35.90	34.25	
5,584.50				11/07/06	39.53	37.88	
5588.65				02/27/07	35.38	33.73	

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	5,624.03	1.65				121.33
5,588.33				05/02/07	35.70	34.05	
5,586.29				08/14/07	37.74	36.09	
5,586.48				10/10/07	37.55	35.90	
5,587.56				03/26/08	36.47	34.82	
5,587.39				06/24/08	36.64	34.99	
5,587.15				08/26/08	36.88	35.23	
5,586.64				10/14/08	37.39	35.74	
5,585.97				03/03/09	38.06	36.41	
5,585.54				06/24/09	38.49	36.84	
5,585.34				09/10/09	38.69	37.04	
5,585.57				12/11/09	38.46	36.81	
5,585.68				03/11/10	38.35	36.70	
5,586.15				05/11/10	37.88	36.23	
5,585.48				09/29/10	38.55	36.90	
5,584.89				12/21/10	39.14	37.49	
5,584.45				02/28/11	39.58	37.93	

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				121.33
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				121.33
5,570.63				05/02/07	49.31	47.46	
5,565.24				08/14/07	54.7	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	49.3	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	46.8	44.95	
5,573.10				02/28/11	46.84	44.99	

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				121.33
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				121.33
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	89.3	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	

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	

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				121.33
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	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	65.8	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				121.33
5,547.11				05/02/07	76.91	75.08	
5,558.52				08/14/07	65.5	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	64.7	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	65.7	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	

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				121.33
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				121.33
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	

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				121.33
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				121.33
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	

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	87.8	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	

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	

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	55.9	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	

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	

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
	5,627.83	5,629.00	1.17				113.5
5,560.52				09/13/07	68.48	67.31	
5,560.43				10/10/07	68.57	67.40	
5,560.88				11/30/07	68.12	66.95	
5,561.12				12/11/07	67.88	66.71	
5,560.82				01/08/08	68.18	67.01	
5,561.07				02/18/08	67.93	66.76	
5,561.17				03/26/08	67.83	66.66	
5,561.34				04/23/08	67.66	66.49	
5561.11				05/30/08	67.89	66.72	
5,561.16				06/24/08	67.84	66.67	
5,561.07				07/16/08	67.93	66.76	
5,561.31				08/26/08	67.69	66.52	
5,562.81				09/10/08	66.19	65.02	
5,561.20				10/14/08	67.8	66.63	
5,560.92				11/26/08	68.08	66.91	
5,561.18				12/29/08	67.82	66.65	
5,561.78				01/26/09	67.22	66.05	
5,561.37				02/24/09	67.63	66.46	
5,561.49				03/06/09	67.51	66.34	
5,561.35				04/07/09	67.65	66.48	
5,561.47				05/29/09	67.53	66.36	
5,561.75				06/30/09	67.25	66.08	
5,561.75				07/31/09	67.25	66.08	
5,561.90				08/31/09	67.1	65.93	
5,561.76				09/10/09	67.24	66.07	
5,562.27				12/11/09	66.73	65.56	
5,562.78				03/11/10	66.22	65.05	
5,563.24				05/11/10	65.76	64.59	
5,563.10				09/29/10	65.90	64.73	
5,563.17				12/21/10	65.83	64.66	
5,563.17				02/28/11	65.83	64.66	

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
	5,627.83	5,625.70	-2.13				113.5
5,568.48				09/13/07	57.22	59.35	
5,568.40				10/10/07	57.30	59.43	
5,569.03				11/30/07	56.67	58.80	
5,569.17				12/11/07	56.53	58.66	
5,568.90				01/08/08	56.80	58.93	
5,569.09				02/18/08	56.61	58.74	
5,569.30				03/26/08	56.40	58.53	
5,569.55				04/23/08	56.15	58.28	
5569.39				05/30/08	56.31	58.44	
5,569.21				06/24/08	56.49	58.62	
5,569.15				07/16/08	56.55	58.68	
5,569.21				08/26/08	56.49	58.62	
5,569.10				09/10/08	56.60	58.73	
5,568.99				10/14/08	56.71	58.84	
5,568.82				11/26/08	56.88	59.01	
5,568.79				12/29/08	56.91	59.04	
5,569.52				01/26/09	56.18	58.31	
5,569.18				02/24/09	56.52	58.65	
5,569.24				03/06/09	56.46	58.59	
5,569.08				04/07/09	56.62	58.75	
5,569.10				05/29/09	56.60	58.73	
5,569.29				06/30/09	56.41	58.54	
5,569.25				07/31/09	56.45	58.58	
5,569.35				08/31/09	56.35	58.48	
5,569.15				09/10/09	56.55	58.68	
5,569.51				12/11/09	56.19	58.32	
5,569.73				03/11/10	55.97	58.10	
5,569.78				05/11/10	55.92	58.05	
5,570.05				09/29/10	55.65	57.78	
5,569.73				12/21/10	55.97	58.10	
5,569.65				02/28/11	56.05	58.18	

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				113.5
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	46.8	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	

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	

Tab H

Laboratory Analytical Reports

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2011
Lab ID: C11020714-009
Client Sample ID: MW-4

Report Date: 03/11/11
Collection Date: 02/23/11 12:55
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	02/28/11 12 20 / lr
Nitrogen, Nitrate+Nitrite as N	4.6	mg/L	D	0.5		E353.2	03/01/11 14:19 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.5	ug/L		1.0		SW8260B	03/01/11 09.04 / jlr
Chloroform	1700	ug/L	D	100		SW8260B	03/02/11 17:39 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 09:04 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 09.04 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	03/01/11 09:04 / jlr
Surr. Dibromofluoromethane	120	%REC		70-130		SW8260B	03/01/11 09:04 / jlr
Surr. p-Bromofluorobenzene	106	%REC		80-120		SW8260B	03/01/11 09:04 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	03/01/11 09:04 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/24/11 08:00
Lab ID:	C11020714-008	**DateReceived:**	02/25/11
Client Sample ID:	TW4-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1		A4500-Cl B	02/28/11 12:18 / lr
Nitrogen, Nitrate+Nitrite as N	6.6	mg/L	D	0.5		E353.2	03/01/11 14:17 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 08:28 / jlr
Chloroform	1300	ug/L	D	100		SW8260B	03/02/11 17:03 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 08:28 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 08:28 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		SW8260B	03/01/11 08:28 / jlr
Surr: Dibromofluoromethane	121	%REC		70-130		SW8260B	03/01/11 08:28 / jlr
Surr: p-Bromofluorobenzene	110	%REC		80-120		SW8260B	03/01/11 08:28 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	03/01/11 08:28 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 09:50
Lab ID:	C11020714-016	**DateReceived:**	02/25/11
Client Sample ID:	TW4-1R	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/28/11 12:38 / lr
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	03/01/11 14:42 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/02/11 23:41 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	03/02/11 23:41 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/02/11 23:41 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/02/11 23:41 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	03/02/11 23:41 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	03/02/11 23:41 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		SW8260B	03/02/11 23:41 / jlr
Surr: Toluene-d8	103	%REC		80-120		SW8260B	03/02/11 23:41 / jlr

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/24/11 08:15
Lab ID:	C11020714-011	**DateReceived:**	02/25/11
Client Sample ID:	TW4-2	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	46	mg/L		1		A4500-Cl B	02/28/11 12:32 / lr
Nitrogen, Nitrate+Nitrite as N	7	mg/L	D	1		E353.2	03/01/11 14:24 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	2.4	ug/L		1.0		SW8260B	03/01/11 10:17 / jlr
Chloroform	3100	ug/L	D	100		SW8260B	03/02/11 19:28 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 10:17 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 10:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	03/01/11 10:17 / jlr
Surr: Dibromofluoromethane	119	%REC		70-130		SW8260B	03/01/11 10:17 / jlr
Surr: p-Bromofluorobenzene	111	%REC		80-120		SW8260B	03/01/11 10:17 / jlr
Surr: Toluene-d8	106	%REC		80-120		SW8260B	03/01/11 10:17 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/15/11 13:10
Lab ID:	C11020540-002	**DateReceived:**	02/18/11
Client Sample ID:	TW4-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	23	mg/L		1		A4500-Cl B	02/24/11 15:12 / lr
Nitrogen, Nitrate+Nitrite as N	3.5	mg/L	D	0.2		E353.2	02/22/11 15:55 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 00:40 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 00:40 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 00:40 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 00:40 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		SW8260B	02/25/11 00:40 / jlr
Surr: Dibromofluoromethane	113	%REC		70-130		SW8260B	02/25/11 00:40 / jlr
Surr: p-Bromofluorobenzene	109	%REC		80-120		SW8260B	02/25/11 00:40 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		SW8260B	02/25/11 00:40 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/14/11 10:00
Lab ID:	C11020540-001	**DateReceived:**	02/18/11
Client Sample ID:	TW4-3R	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/24/11 15:10 / lr
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	02/22/11 15 52 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 00:05 / jlr
Chloroform	ND	ug/L		1 0		SW8260B	02/25/11 00:05 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 00:05 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 00.05 / jlr
Surr. 1,2-Dichlorobenzene-d4	106	%REC		80-120		SW8260B	02/25/11 00:05 / jlr
Surr Dibromofluoromethane	112	%REC		70-130		SW8260B	02/25/11 00:05 / jlr
Surr p-Bromofluorobenzene	107	%REC		80-120		SW8260B	02/25/11 00 05 / jlr
Surr. Toluene-d8	89.0	%REC		80-120		SW8260B	02/25/11 00 05 / 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 2011
Lab ID: C11020714-010
Client Sample ID: TW4-4

Report Date: 03/11/11
Collection Date: 02/23/11 13:50
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1		A4500-Cl B	02/28/11 12:30 / lr
Nitrogen, Nitrate+Nitrite as N	7	mg/L	D	1		E353.2	03/01/11 14:22 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.4	ug/L		1.0		SW8260B	03/01/11 09:40 / jlr
Chloroform	1800	ug/L	D	100		SW8260B	03/02/11 18.15 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 09.40 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 09:40 / jlr
Surr. 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	03/01/11 09:40 / jlr
Surr: Dibromofluoromethane	124	%REC		70-130		SW8260B	03/01/11 09.40 / jlr
Surr: p-Bromofluorobenzene	109	%REC		80-120		SW8260B	03/01/11 09.40 / jlr
Surr: Toluene-d8	105	%REC		80-120		SW8260B	03/01/11 09.40 / 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 2011
Lab ID: C11020714-021
Client Sample ID: TW4-5

Report Date: 03/11/11
Collection Date: 02/22/11 08:17
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	34	mg/L		1		A4500-Cl B	02/28/11 12:53 / lr
Nitrogen, Nitrate+Nitrite as N	7	mg/L	D	1		E353.2	03/01/11 15:02 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 02:42 / jlr
Chloroform	10	ug/L		1.0		SW8260B	03/03/11 02:42 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 02:42 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 02:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	03/03/11 02:42 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	03/03/11 02:42 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	03/03/11 02:42 / jlr
Surr: Toluene-d8	109	%REC		80-120		SW8260B	03/03/11 02:42 / 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 2011
Lab ID: C11020714-002
Client Sample ID: TW4-6

Report Date: 03/11/11
Collection Date: 02/23/11 08:00
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	02/28/11 12.03 / lr
Nitrogen, Nitrate+Nitrite as N	0.7	mg/L		0.1		E353.2	03/01/11 13.54 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 06:03 / jlr
Chloroform	47	ug/L	D	10		SW8260B	03/02/11 15:15 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 06:03 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 06.03 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	03/01/11 06:03 / jlr
Surr: Dibromofluoromethane	124	%REC		70-130		SW8260B	03/01/11 06:03 / jlr
Surr. p-Bromofluorobenzene	112	%REC		80-120		SW8260B	03/01/11 06:03 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	03/01/11 06:03 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 09:00
Lab ID:	C11020714-006	**DateReceived:**	02/25/11
Client Sample ID:	TW4-7	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	45	mg/L		1		A4500-Cl B	02/28/11 12:13 / lr
Nitrogen, Nitrate+Nitrite as N	3.6	mg/L	D	0.2		E353.2	03/01/11 14:04 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 07:52 / jlr
Chloroform	1300	ug/L	D	100		SW8260B	02/28/11 20:23 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 07:52 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 07:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	03/01/11 07:52 / jlr
Surr: Dibromofluoromethane	113	%REC		70-130		SW8260B	03/01/11 07:52 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		SW8260B	03/01/11 07:52 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	03/01/11 07:52 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/16/11 10:40
Lab ID:	C11020540-009	**DateReceived:**	02/18/11
Client Sample ID:	TW4-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	52	mg/L		1		A4500-Cl B	02/24/11 15:43 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	02/22/11 16:20 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 04:50 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 04:50 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 04:50 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 04:50 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		SW8260B	02/25/11 04:50 / jlr
Surr: Dibromofluoromethane	113	%REC		70-130		SW8260B	02/25/11 04:50 / jlr
Surr: p-Bromofluorobenzene	110	%REC		80-120		SW8260B	02/25/11 04:50 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		SW8260B	02/25/11 04:50 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/17/11 07:40
Lab ID:	C11020540-011	**DateReceived:**	02/18/11
Client Sample ID:	TW4-9	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1		A4500-Cl B	02/24/11 15:50 / lr
Nitrogen, Nitrate+Nitrite as N	1.3	mg/L		0.1		E353.2	02/22/11 16:32 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 19:09 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 19:09 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 19:09 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 19:09 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		SW8260B	02/25/11 19:09 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	02/25/11 19:09 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		SW8260B	02/25/11 19:09 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	02/25/11 19:09 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/16/11 11:53
Lab ID:	C11020540-010	**DateReceived:**	02/18/11
Client Sample ID:	TW4-9R	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/24/11 15:44 / lr
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353 2	02/22/11 16.22 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 18 34 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 18.34 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 18 34 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 18:34 / jlr
Surr. 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	02/25/11 18 34 / jlr
Surr: Dibromofluoromethane	109	%REC		70-130		SW8260B	02/25/11 18:34 / jlr
Surr: p-Bromofluorobenzene	102	%REC		80-120		SW8260B	02/25/11 18.34 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	02/25/11 18:34 / jlr

Report Definitions:	RL - Analyte reporting limit	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 08:40
Lab ID:	C11020714-005	**DateReceived:**	02/25/11
Client Sample ID:	TW4-10	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	62	mg/L		1		A4500-Cl B	02/28/11 12:11 / lr
Nitrogen, Nitrate+Nitrite as N	9	mg/L	D	1		E353.2	03/01/11 14:02 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 07:16 / jlr
Chloroform	620	ug/L	D	100		SW8260B	03/02/11 16:27 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 07:16 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 07:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	03/01/11 07:16 / jlr
Surr: Dibromofluoromethane	115	%REC		70-130		SW8260B	03/01/11 07:16 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	03/01/11 07:16 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		SW8260B	03/01/11 07:16 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 08:25
Lab ID:	C11020714-003	**DateReceived:**	02/25/11
Client Sample ID:	TW4-11	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	46	mg/L		1		A4500-Cl B	02/28/11 12:06 / lr
Nitrogen, Nitrate+Nitrite as N	6.5	mg/L	D	0.5		E353.2	03/01/11 13 57 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 06 39 / jlr
Chloroform	1000	ug/L	D	100		SW8260B	02/28/11 18:34 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 06.39 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 06 39 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		SW8260B	03/01/11 06:39 / jlr
Surr: Dibromofluoromethane	122	%REC		70-130		SW8260B	03/01/11 06:39 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	03/01/11 06.39 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		SW8260B	03/01/11 06:39 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/15/11 13:25
Lab ID:	C11020540-003	**DateReceived:**	02/18/11
Client Sample ID:	TW4-12	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	31	mg/L		1		A4500-Cl B	02/24/11 15:14 / lr
Nitrogen, Nitrate+Nitrite as N	6.5	mg/L	D	0.5		E353.2	02/22/11 15:57 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 01:16 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 01:16 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 01:16 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 01:16 / jlr
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120		SW8260B	02/25/11 01:16 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	02/25/11 01:16 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		SW8260B	02/25/11 01:16 / jlr
Surr: Toluene-d8	89.0	%REC		80-120		SW8260B	02/25/11 01:16 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/15/11 13:36
Lab ID:	C11020540-004	**DateReceived:**	02/18/11
Client Sample ID:	TW4-13	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	60	mg/L		1		A4500-Cl B	02/24/11 15:16 / lr
Nitrogen, Nitrate+Nitrite as N	5.5	mg/L	D	0.5		E353.2	02/22/11 16:00 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 01:52 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 01:52 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 01:52 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 01:52 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		SW8260B	02/25/11 01:52 / jlr
Surr: Dibromofluoromethane	108	%REC		70-130		SW8260B	02/25/11 01:52 / jlr
Surr: p-Bromofluorobenzene	109	%REC		80-120		SW8260B	02/25/11 01:52 / jlr
Surr: Toluene-d8	88.0	%REC		80-120		SW8260B	02/25/11 01:52 / jlr

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	D - RL increased due to sample matrix.	

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/15/11 13:46
Lab ID:	C11020540-005	**DateReceived:**	02/18/11
Client Sample ID:	TW4-14	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	25	mg/L		1		A4500-Cl B	02/24/11 15:19 / lr
Nitrogen, Nitrate+Nitrite as N	1.8	mg/L	D	0.2		E353.2	02/22/11 16:02 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 02:28 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 02:28 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 02:28 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 02:28 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	02/25/11 02:28 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	02/25/11 02:28 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		SW8260B	02/25/11 02:28 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		SW8260B	02/25/11 02:28 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 13:30
Lab ID:	C11020714-004	**DateReceived:**	02/25/11
Client Sample ID:	TW4-15	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	57	mg/L		1		A4500-Cl B	02/28/11 12:09 / lr
Nitrogen, Nitrate+Nitrite as N	0 5	mg/L		0.1		E353.2	03/01/11 13 59 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/28/11 19.10 / jlr
Chloroform	450	ug/L	D	100		SW8260B	03/02/11 15.51 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/28/11 19:10 / jlr
Methylene chloride	3 6	ug/L		1.0		SW8260B	02/28/11 19.10 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		SW8260B	02/28/11 19:10 / jlr
Surr. Dibromofluoromethane	105	%REC		70-130		SW8260B	02/28/11 19.10 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	02/28/11 19:10 / jlr
Surr: Toluene-d8	105	%REC		80-120		SW8260B	02/28/11 19.10 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/22/11 07:45
Lab ID:	C11020714-019	**DateReceived:**	02/25/11
Client Sample ID:	TW4-16	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	86	mg/L		1		A4500-Cl B	02/28/11 12:45 / lr
Nitrogen, Nitrate+Nitrite as N	7	mg/L	D	1		E353.2	03/01/11 14:57 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 01:29 / jlr
Chloroform	15	ug/L		1.0		SW8260B	03/03/11 01:29 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 01:29 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 01:29 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	03/03/11 01:29 / jlr
Surr: Dibromofluoromethane	114	%REC		70-130		SW8260B	03/03/11 01:29 / jlr
Surr: p-Bromofluorobenzene	103	%REC		80-120		SW8260B	03/03/11 01:29 / jlr
Surr: Toluene-d8	103	%REC		80-120		SW8260B	03/03/11 01:29 / 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 2011
Lab ID: C11020714-014
Client Sample ID: TW4-16R

Report Date: 03/11/11
Collection Date: 02/21/11 07:59
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/28/11 12:36 / lr
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	03/01/11 14:37 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 01:49 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	03/01/11 01:49 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 01:49 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 01:49 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	03/01/11 01:49 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	03/01/11 01:49 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	03/01/11 01:49 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	03/01/11 01:49 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 13:40
Lab ID:	C11020714-007	**DateReceived:**	02/25/11
Client Sample ID:	TW4-17	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	40	mg/L		1		A4500-Cl B	02/28/11 12:15 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0 1		E353.2	03/01/11 14:14 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/28/11 20.59 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/28/11 20:59 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/28/11 20:59 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/28/11 20:59 / jlr
Surr. 1,2-Dichlorobenzene-d4	106	%REC		80-120		SW8260B	02/28/11 20:59 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	02/28/11 20.59 / jlr
Surr. p-Bromofluorobenzene	110	%REC		80-120		SW8260B	02/28/11 20:59 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	02/28/11 20:59 / jlr

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/22/11 08:40
Lab ID:	C11020714-022	**DateReceived:**	02/25/11
Client Sample ID:	TW4-18	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	52	mg/L		1		A4500-Cl B	02/28/11 12:55 / lr
Nitrogen, Nitrate+Nitrite as N	10	mg/L	D	1		E353.2	03/01/11 15:12 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 03:18 / jlr
Chloroform	39	ug/L		1.0		SW8260B	03/03/11 03:18 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 03:18 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 03:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	03/03/11 03:18 / jlr
Surr: Dibromofluoromethane	113	%REC		70-130		SW8260B	03/03/11 03:18 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	03/03/11 03:18 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	03/03/11 03:18 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/17/11 10:15
Lab ID:	C11020540-014	**DateReceived:**	02/18/11
Client Sample ID:	TW4-19	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	135	mg/L		1		A4500-Cl B	02/24/11 16:04 / lr
Nitrogen, Nitrate+Nitrite as N	17	mg/L	D	2		E353.2	02/22/11 16:37 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	17	ug/L		1.0		SW8260B	02/26/11 05:51 / jlr
Chloroform	3400	ug/L	D	100		SW8260B	02/28/11 16:46 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/26/11 05:51 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/26/11 05:51 / jlr
Surr. 1,2-Dichlorobenzene-d4	106	%REC		80-120		SW8260B	02/26/11 05:51 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	02/26/11 05:51 / jlr
Surr. p-Bromofluorobenzene	106	%REC		80-120		SW8260B	02/26/11 05:51 / jlr
Surr. Toluene-d8	84.0	%REC		80-120		SW8260B	02/26/11 05:51 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 14:18
Lab ID:	C11020714-012	**DateReceived:**	02/25/11
Client Sample ID:	TW4-20	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	220	mg/L		1		A4500-Cl B	02/28/11 12:34 / lr
Nitrogen, Nitrate+Nitrite as N	4.4	mg/L	D	0.2		E353.2	03/01/11 14:34 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	27	ug/L		1.0		SW8260B	03/01/11 10:53 / jlr
Chloroform	31000	ug/L	D	1000		SW8260B	02/28/11 21:35 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 10:53 / jlr
Methylene chloride	19	ug/L		1.0		SW8260B	03/01/11 10:53 / jlr
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		SW8260B	03/01/11 10:53 / jlr
Surr: Dibromofluoromethane	118	%REC		70-130		SW8260B	03/01/11 10:53 / jlr
Surr: p-Bromofluorobenzene	113	%REC		80-120		SW8260B	03/01/11 10:53 / jlr
Surr: Toluene-d8	106	%REC		80-120		SW8260B	03/01/11 10:53 / 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 2011
Lab ID: C11020714-023
Client Sample ID: TW4-21

Report Date: 03/11/11
Collection Date: 02/22/11 08:55
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	303	mg/L		1		A4500-Cl B	02/28/11 12:58 / lr
Nitrogen, Nitrate+Nitrite as N	9	mg/L	D	1		E353.2	03/01/11 15:14 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.2	ug/L		1.0		SW8260B	03/03/11 05:06 / jlr
Chloroform	230	ug/L	D	10		SW8260B	03/03/11 03:54 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 05:06 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 05:06 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		SW8260B	03/03/11 05:06 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	03/03/11 05:06 / jlr
Surr: p-Bromofluorobenzene	103	%REC		80-120		SW8260B	03/03/11 05:06 / jlr
Surr: Toluene-d8	106	%REC		80-120		SW8260B	03/03/11 05:06 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 07:40
Lab ID:	C11020714-001	**DateReceived:**	02/25/11
Client Sample ID:	TW4-22	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	114	mg/L		1		A4500-Cl B	02/28/11 11:54 / lr
Nitrogen, Nitrate+Nitrite as N	18	mg/L	D	1		E353 2	03/01/11 13 44 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 05:27 / jlr
Chloroform	1300	ug/L	D	100		SW8260B	02/28/11 17.22 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 05 27 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 05:27 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	03/01/11 05:27 / jlr
Surr: Dibromofluoromethane	120	%REC		70-130		SW8260B	03/01/11 05 27 / jlr
Surr: p-Bromofluorobenzene	106	%REC		80-120		SW8260B	03/01/11 05.27 / jlr
Surr: Toluene-d8	103	%REC		80-120		SW8260B	03/01/11 05.27 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/22/11 09:44
Lab ID:	C11020714-015	**DateReceived:**	02/25/11
Client Sample ID:	TW4-22R	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/28/11 12:37 / lr
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	03/01/11 14:39 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 02:25 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	03/01/11 02:25 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 02:25 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 02:25 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	03/01/11 02:25 / jlr
Surr: Dibromofluoromethane	110	%REC		70-130		SW8260B	03/01/11 02:25 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	03/01/11 02:25 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	03/01/11 02:25 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/16/11 09:44
Lab ID:	C11020540-007	**DateReceived:**	02/18/11
Client Sample ID:	TW4-23	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	44	mg/L		1		A4500-Cl B	02/24/11 15.23 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353 2	02/22/11 16:15 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 03.39 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 03:39 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 03:39 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 03:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	02/25/11 03:39 / jlr
Surr. Dibromofluoromethane	111	%REC		70-130		SW8260B	02/25/11 03.39 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	02/25/11 03:39 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		SW8260B	02/25/11 03:39 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/15/11 08:15
Lab ID:	C11020540-006	**DateReceived:**	02/18/11
Client Sample ID:	TW4-23R	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/24/11 15.22 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	02/22/11 16.12 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 03.03 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 03:03 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 03:03 / jlr
Methylene chloride	ND	ug/L		1 0		SW8260B	02/25/11 03.03 / jlr
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		SW8260B	02/25/11 03·03 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	02/25/11 03 03 / jlr
Surr. p-Bromofluorobenzene	107	%REC		80-120		SW8260B	02/25/11 03.03 / jlr
Surr Toluene-d8	89 0	%REC		80-120		SW8260B	02/25/11 03·03 / jlr

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/17/11 07:50
Lab ID:	C11020540-012	**DateReceived:**	02/18/11
Client Sample ID:	TW4-24	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1100	mg/L		1		A4500-Cl B	02/24/11 15:58 / lr
Nitrogen, Nitrate+Nitrite as N	31	mg/L	D	2		E353.2	02/22/11 16:35 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 19.45 / jlr
Chloroform	1.8	ug/L		1.0		SW8260B	02/25/11 19.45 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 19:45 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 19 45 / jlr
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120		SW8260B	02/25/11 19 45 / jlr
Surr: Dibromofluoromethane	117	%REC		70-130		SW8260B	02/25/11 19 45 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	02/25/11 19 45 / jlr
Surr: Toluene-d8	84.0	%REC		80-120		SW8260B	02/25/11 19:45 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/16/11 10:13
Lab ID:	C11020540-008	**DateReceived:**	02/18/11
Client Sample ID:	TW4-25	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	315	mg/L		1		A4500-Cl B	02/24/11 15:29 / lr
Nitrogen, Nitrate+Nitrite as N	15	mg/L	D	1		E353.2	02/22/11 16:17 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 04:14 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 04:14 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 04:14 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 04:14 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	02/25/11 04:14 / jlr
Surr: Dibromofluoromethane	109	%REC		70-130		SW8260B	02/25/11 04:14 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		SW8260B	02/25/11 04:14 / jlr
Surr: Toluene-d8	90.0	%REC		80-120		SW8260B	02/25/11 04:14 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/22/11 08:00
Lab ID:	C11020714-020	**DateReceived:**	02/25/11
Client Sample ID:	TW4-26	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	30	mg/L		1		A4500-Cl B	02/28/11 12:48 / lr
Nitrogen, Nitrate+Nitrite as N	10	mg/L	D	1		E353.2	03/01/11 14:59 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 02:06 / jlr
Chloroform	2.0	ug/L		1.0		SW8260B	03/03/11 02:06 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 02:06 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 02:06 / jlr
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120		SW8260B	03/03/11 02:06 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	03/03/11 02:06 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	03/03/11 02:06 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	03/03/11 02:06 / 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 2011
Lab ID: C11020714-017
Client Sample ID: TW4-60

Report Date: 03/11/11
Collection Date: 02/23/11 14:50
DateReceived: 02/25/11
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	02/28/11 12.40 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	03/01/11 14:44 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 00:17 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	03/03/11 00:17 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 00.17 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 00:17 / jlr
Surr. 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	03/03/11 00:17 / jlr
Surr: Dibromofluoromethane	114	%REC		70-130		SW8260B	03/03/11 00:17 / jlr
Surr: p-Bromofluorobenzene	108	%REC		80-120		SW8260B	03/03/11 00:17 / jlr
Surr. Toluene-d8	102	%REC		80-120		SW8260B	03/03/11 00:17 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/17/11 10:15
Lab ID:	C11020540-015	**DateReceived:**	02/18/11
Client Sample ID:	TW4-65	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	134	mg/L		1		A4500-Cl B	02/24/11 16:06 / lr
Nitrogen, Nitrate+Nitrite as N	17	mg/L	D	2		E353.2	02/22/11 16:40 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	15	ug/L		1.0		SW8260B	02/26/11 06:27 / jlr
Chloroform	5600	ug/L	D	1000		SW8260B	02/25/11 20:57 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/26/11 06:27 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/26/11 06:27 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	02/26/11 06:27 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	02/26/11 06:27 / jlr
Surr: p-Bromofluorobenzene	107	%REC		80-120		SW8260B	02/26/11 06:27 / jlr
Surr: Toluene-d8	85.0	%REC		80-120		SW8260B	02/26/11 06:27 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11 08:40
Lab ID:	C11020714-018	**DateReceived:**	02/25/11
Client Sample ID:	TW4-70	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	65	mg/L		1		A4500-Cl B	02/28/11 12:43 / lr
Nitrogen, Nitrate+Nitrite as N	9	mg/L	D	1		E353.2	03/01/11 14:54 / dc
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/03/11 04:30 / jlr
Chloroform	810	ug/L	D	100		SW8260B	03/03/11 00:53 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/03/11 04:30 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/03/11 04:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120		SW8260B	03/03/11 04:30 / jlr
Surr: Dibromofluoromethane	131	%REC	S	70-130		SW8260B	03/03/11 04:30 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	03/03/11 04:30 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	03/03/11 04:30 / 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.
S - Spike recovery outside of advisory limits.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client:	Denison Mines USA Corp	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/17/11
Lab ID:	C11020540-016	**DateReceived:**	02/18/11
Client Sample ID:	Temp Blank	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.0	°C				E170.1	02/18/11 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/23/11
Lab ID:	C11020714-024	**DateReceived:**	02/25/11
Client Sample ID:	Temp Blank	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.4	°C				E170.1	02/25/11 10:15 / 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	**Report Date:**	03/11/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/21/11
Lab ID:	C11020714-013	**DateReceived:**	02/25/11
Client Sample ID:	Trip Blank 6092	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	03/01/11 01:13 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	03/01/11 01:13 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	03/01/11 01.13 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	03/01/11 01:13 / jlr
Surr. 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	03/01/11 01:13 / jlr
Surr: Dibromofluoromethane	108	%REC		70-130		SW8260B	03/01/11 01.13 / jlr
Surr. p-Bromofluorobenzene	106	%REC		80-120		SW8260B	03/01/11 01:13 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	03/01/11 01:13 / 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	**Report Date:**	03/09/11
Project:	1st Quarter Chloroform 2011	**Collection Date:**	02/14/11
Lab ID:	C11020540-013	**DateReceived:**	02/18/11
Client Sample ID:	Trip Blank 6092	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	02/25/11 20:21 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	02/25/11 20:21 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	02/25/11 20:21 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	02/25/11 20:21 / jlr
Surr: 1,2-Dichlorobenzene-d4	115	%REC		80-120		SW8260B	02/25/11 20:21 / jlr
Surr: Dibromofluoromethane	109	%REC		70-130		SW8260B	02/25/11 20:21 / jlr
Surr: p-Bromofluorobenzene	111	%REC		80-120		SW8260B	02/25/11 20:21 / jlr
Surr: Toluene-d8	83.0	%REC		80-120		SW8260B	02/25/11 20:21 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit

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ANALYTICAL SUMMARY REPORT

March 09, 2011

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C11020540 Quote ID: C2975 - Chloroform Sampling

Project Name: 1st Quarter Chloroform 2011

Energy Laboratories, Inc. Casper WY received the following 16 samples for Denison Mines USA Corp on 2/18/2011 for analysis

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C11020540-001	TW4-3R	02/14/11 10:00	02/18/11	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C11020540-002	TW4-3	02/15/11 13:10	02/18/11	Aqueous	Same As Above
C11020540-003	TW4-12	02/15/11 13:25	02/18/11	Aqueous	Same As Above
C11020540-004	TW4-13	02/15/11 13:36	02/18/11	Aqueous	Same As Above
C11020540-005	TW4-14	02/15/11 13:46	02/18/11	Aqueous	Same As Above
C11020540-006	TW4-23R	02/15/11 08:15	02/18/11	Aqueous	Same As Above
C11020540-007	TW4-23	02/16/11 09:44	02/18/11	Aqueous	Same As Above
C11020540-008	TW4-25	02/16/11 10:13	02/18/11	Aqueous	Same As Above
C11020540-009	TW4-8	02/16/11 10:40	02/18/11	Aqueous	Same As Above
C11020540-010	TW4-9R	02/16/11 11:53	02/18/11	Aqueous	Same As Above
C11020540-011	TW4-9	02/17/11 07:40	02/18/11	Aqueous	Same As Above
C11020540-012	TW4-24	02/17/11 07:50	02/18/11	Aqueous	Same As Above
C11020540-013	Trip Blank 6092	02/14/11 00:00	02/18/11	Aqueous	SW8260B VOCs, Standard List
C11020540-014	TW4-19	02/17/11 10:15	02/18/11	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C11020540-015	TW4-65	02/17/11 10:15	02/18/11	Aqueous	Same As Above
C11020540-016	Temp Blank	02/17/11 00:00	02/18/11	Aqueous	Temperature

This report was prepared by Energy Laboratories, Inc , 2393 Salt Creek Hwy., Casper, WY 82601. 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.

If you have any questions regarding these test results, please call

Report Approved By:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2011.03.09 12:21:47 -07:00

CLIENT: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2011
Sample Delivery Group: C11020540

Report Date: 03/09/11

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.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 03/09/11

Project: 1st Quarter Chloroform 2011 **Work Order:** C11020540

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 110224-CL-TTR-W	
Sample ID: MBLK9-110224	Method Blank					Run: TITRATION_110224A			02/24/11 15:08	
Chloride		ND	mg/L	1.0						
Sample ID: C11020540-009AMS	Sample Matrix Spike					Run: TITRATION_110224A			02/24/11 15:46	
Chloride		229	mg/L	1.0	100	90	110			
Sample ID: C11020540-009AMSD	Sample Matrix Spike Duplicate					Run: TITRATION_110224A			02/24/11 15:48	
Chloride		231	mg/L	1.0	101	90	110	0.7	10	
Sample ID: C11020540-015AMS	Sample Matrix Spike					Run: TITRATION_110224A			02/24/11 16:28	
Chloride		313	mg/L	1.0	101	90	110			
Sample ID: C11020540-015AMSD	Sample Matrix Spike Duplicate					Run: TITRATION_110224A			02/24/11 16:31	
Chloride		312	mg/L	1.0	100	90	110	0.6	10	
Sample ID: LCS35-110224	Laboratory Control Sample					Run: TITRATION_110224A			02/24/11 16:33	
Chloride		3550	mg/L	1.0	100	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 2011

Report Date: 03/09/11

Work Order: C11020540

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch R142962
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_110222A				02/22/11 12:35
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_110222A				02/22/11 12:37
Nitrogen, Nitrate+Nitrite as N		2.52	mg/L	0.10	101	90	110			
Sample ID: C11020540-001BMS		Sample Matrix Spike				Run: TECHNICON_110222A				02/22/11 16:05
Nitrogen, Nitrate+Nitrite as N		2.29	mg/L	0.10	104	90	110			
Sample ID: C11020540-001BMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_110222A				02/22/11 16:07
Nitrogen, Nitrate+Nitrite as N		2.34	mg/L	0.10	107	90	110	2.2	10	
Sample ID: C11020541-001CMS		Sample Matrix Spike				Run: TECHNICON_110222A				02/22/11 16:45
Nitrogen, Nitrate+Nitrite as N		3.81	mg/L	0.10	100	90	110			
Sample ID: C11020541-001CMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_110222A				02/22/11 16:47
Nitrogen, Nitrate+Nitrite as N		3.84	mg/L	0.10	101	90	110	0.8	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:** 03/09/11
Project: 1st Quarter Chloroform 2011 **Work Order:** C11020540

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R143081
Sample ID: 24-Feb-11_LCS_5	8	Laboratory Control Sample				Run: 5975VOC1_110224B				02/24/11 12:44
Carbon tetrachloride		9.6	ug/L	1.0	96	70	130			
Chloroform		9.5	ug/L	1.0	95	70	130			
Chloromethane		9.6	ug/L	1.0	96	70	130			
Methylene chloride		8.9	ug/L	1.0	89	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr: Dibromofluoromethane				1.0	92	70	130			
Surr: p-Bromofluorobenzene				1.0	97	80	130			
Surr: Toluene-d8				1.0	96	80	120			
Sample ID: 24-Feb-11_MBLK_7	8	Method Blank				Run: 5975VOC1_110224B				02/24/11 13:55
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	106	80	120			
Surr: Dibromofluoromethane				1.0	94	70	130			
Surr: p-Bromofluorobenzene				1.0	103	80	120			
Surr: Toluene-d8				1.0	88	80	120			
Sample ID: C11020525-005GMS	8	Sample Matrix Spike				Run: 5975VOC1_110224B				02/24/11 19:19
Carbon tetrachloride		110	ug/L	10	114	70	130			
Chloroform		110	ug/L	10	114	70	130			
Chloromethane		100	ug/L	10	104	70	130			
Methylene chloride		100	ug/L	10	102	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	97	80	120			
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: C11020525-005GMSD	8	Sample Matrix Spike Duplicate				Run: 5975VOC1_110224B				02/24/11 19:55
Carbon tetrachloride		110	ug/L	10	106	70	130	6.9	20	
Chloroform		110	ug/L	10	108	70	130	5.4	20	
Chloromethane		100	ug/L	10	103	70	130	0.8	20	
Methylene chloride		96	ug/L	10	96	70	130	6.9	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	97	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	98	80	120	0.0	10	
Surr: Toluene-d8				1.0	96	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:** 03/09/11

Project: 1st Quarter Chloroform 2011 **Work Order:** C11020540

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch. R143126
Sample ID: 25-Feb-11_LCS_4	8	Laboratory Control Sample				Run 5975VOC1_110225B				02/25/11 15:01
Carbon tetrachloride		11	ug/L	1.0	108	70	130			
Chloroform		10	ug/L	1.0	104	70	130			
Chloromethane		11	ug/L	1.0	108	70	130			
Methylene chloride		9.6	ug/L	1.0	96	70	130			
Surr. 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	90	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	130			
Surr. Toluene-d8				1.0	92	80	120			
Sample ID: 25-Feb-11_MBLK_6	8	Method Blank				Run: 5975VOC1_110225B				02/25/11 16:12
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	106	80	120			
Surr: Toluene-d8				1.0	83	80	120			
Sample ID: C11020540-015CMS	8	Sample Matrix Spike				Run: 5975VOC1_110225B				02/25/11 21:32
Carbon tetrachloride		12000	ug/L	1000	122	70	130			
Chloroform		18000	ug/L	1000	127	70	130			
Chloromethane		12000	ug/L	1000	117	70	130			
Methylene chloride		11000	ug/L	1000	108	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr Dibromofluoromethane				1.0	104	70	130			
Surr p-Bromofluorobenzene				1.0	97	80	120			
Surr. Toluene-d8				1.0	93	80	120			
Sample ID: C11020540-015CMSD	8	Sample Matrix Spike Duplicate				Run: 5975VOC1_110225B				02/25/11 22:08
Carbon tetrachloride		12000	ug/L	1000	115	70	130	5.7	20	
Chloroform		17000	ug/L	1000	118	70	130	5.1	20	
Chloromethane		12000	ug/L	1000	115	70	130	1.7	20	
Methylene chloride		11000	ug/L	1000	106	70	130	1.9	20	
Surr 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	102	70	130	0.0	10	
Surr. p-Bromofluorobenzene				1.0	100	80	120	0.0	10	
Surr Toluene-d8				1.0	92	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

Project: 1st Quarter Chloroform 2011

Report Date: 03/09/11

Work Order: C11020540

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch R143162
Sample ID: 022811_LCS_4	5	Laboratory Control Sample				Run: SATURNCA_110228A				02/28/11 14:25
Chloroform		12	ug/L	1.0	121	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	115	80	130			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: 022811_MBLK_6	5	Method Blank				Run: SATURNCA_110228A				02/28/11 15:37
Chloroform		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	106	80	120			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C11020714-012CMS	5	Sample Matrix Spike				Run: SATURNCA_110228A				02/28/11 22:12
Chloroform		48000	ug/L	1000	165	70	130			S
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr: Dibromofluoromethane				1.0	109	70	130			
Surr: p-Bromofluorobenzene				1.0	110	80	120			
Surr: Toluene-d8				1.0	103	80	120			
- Spike recovery is high. This is a matrix related bias since the MS MSD pair both exhibit this same behavior yet have an acceptable RPD										
Sample ID: C11020714-012CMSD	5	Sample Matrix Spike Duplicate				Run: SATURNCA_110228A				02/28/11 22:48
Chloroform		45000	ug/L	1000	137	70	130	6.0	20	S
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	108	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	108	80	120	0.0	10	
Surr: Toluene-d8				1.0	102	80	120	0.0	10	
- Spike recovery is high. This is a matrix related bias since the MS MSD pair both exhibit this same behavior yet have an acceptable RPD										

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Workorder Receipt Checklist

Denison Mines USA Corp

C11020540

Login completed by: Edith McPike
Reviewed by: BL2000\kschroeder
Reviewed Date: 2/18/2011

Date Received: 2/18/2011
Received by: ha
Carrier name: FedEx

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?	Yes ☑	No ☐	
Container/Temp Blank temperature	3°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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines

Project Name, PWS, Permit, Etc.: 1st Quarter Chloroform 2011

Sample Origin State: UT

EPA/State Compliance: Yes ☒ No ☐

Report Mail Address: PO Box 809
Blanding, UT 84511

Contact Name: Ryan Palmer

Phone/Fax: 435 678 2221

Email:

Sampler: (Please Print) Garrin Palmer

Invoice Address: Same

Invoice Contact & Phone: Same

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ________
☐ Other: ________
☐ EDD/EDT (Electronic Data) Format: ________
☐ LEVEL IV
☐ 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)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fed Ex

Cooler ID(s): client

Receipt Temp 3 °C

On Ice: [✓ Y] N

Custody Seal
On Bottle Y N
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C2975
1 TW4-3R	2-14-11	1000	5W	X
2 TW4-3	2-15-11	1310	5W	X
3 TW4-12	2-15-11	1325	5W	X
4 TW4-13	2-15-11	1336	5W	X
5 TW4-14	2-15-11	1346	5W	X
6 TW4-23R	2-15-11	0815	5W	X
7 TW4-23	2-16-11	0944	5W	X
8 TW4-25	2-16-11	1013	5W	X
9 TW4-8	2-16-11	1040	5W	X
10 TW4-9R	2-16-11	1153	5W	X

LABORATORY USE ONLY

C11020544

Custody Record MUST be Signed

Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
Tanner Holliday	2/17/2011 1130	Tanner Holliday			

Received by Laboratory: Date/Time: 2-18-11 970 Signature:

Sample Disposal: Return to Client: ________ Lab Disposal: ________

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.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 2 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines
Project Name, PWS, Permit, Etc.: 1st Quarter Chloroform 2011
Sample Origin State: UT
EPA/State Compliance: Yes ☒ No ☐

Report Mail Address: PO Box 809
Blanding, UT 84511
Contact Name: Ryan Palmer
Phone/Fax: 435 678 2221
Email:
Sampler: (Please Print) Garrin Palmer

Invoice Address: Same
Invoice Contact & Phone: Same
Purchase Order:
Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ____
☐ Other: ____
☐ EDD/EDT (Electronic Data) Format: ____
☐ LEVEL IV
☐ NELAC

ANALYSIS REQUESTED

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fed Ex
Cooler ID(s): Client
Receipt Temp 3 °C
On Ice: [✓ Y] N
Custody Seal
On Bottle Y N
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	Quote # 62975									SEE ATTACHED	Standard Turnaround (TAT)	RUSH		LABORATORY USE ONLY
1	TW4-9	2-17-11	0740	5W		X													
2	TW4-24	2-17-11	0750	5W		X													
3	Trip Blank 6092	2-14-11																	
4																			
5	TW4-19	2-17-11	1015	5W		X													
6	TW4-65	2-17-11	1015	5W		X													
7	Temp Blank																		
8																			
9																			
10																			C11020544

Custody Record MUST be Signed

Relinquished by (print):	Date/Time	Signature	Received by (print)	Date/Time	Signature
Tanner Holliday	2/17/2011 1130	Tanner Holliday			
Relinquished by (print):	Date/Time.	Signature	Received by (print)	Date/Time	Signature.
Sample Disposal: Return to Client. ____	Lab Disposal: ____		Received by Laboratory:	Date/Time 2.18.11 920	Signature

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.

ENERGY
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Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

March 11, 2011

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C11020714 Quote ID: C2975 - Chloroform Sampling

Project Name: 1st Quarter Chloroform 2011

Energy Laboratories, Inc. Casper WY received the following 24 samples for Denison Mines USA Corp on 2/25/2011 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C11020714-001	TW4-22	02/23/11 07:40	02/25/11	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C11020714-002	TW4-6	02/23/11 08:00	02/25/11	Aqueous	Same As Above
C11020714-003	TW4-11	02/23/11 08:25	02/25/11	Aqueous	Same As Above
C11020714-004	TW4-15	02/23/11 13:30	02/25/11	Aqueous	Same As Above
C11020714-005	TW4-10	02/23/11 08:40	02/25/11	Aqueous	Same As Above
C11020714-006	TW4-7	02/23/11 09:00	02/25/11	Aqueous	Same As Above
C11020714-007	TW4-17	02/23/11 13:40	02/25/11	Aqueous	Same As Above
C11020714-008	TW4-1	02/24/11 08:00	02/25/11	Aqueous	Same As Above
C11020714-009	MW-4	02/23/11 12:55	02/25/11	Aqueous	Same As Above
C11020714-010	TW4-4	02/23/11 13:50	02/25/11	Aqueous	Same As Above
C11020714-011	TW4-2	02/24/11 08:15	02/25/11	Aqueous	Same As Above
C11020714-012	TW4-20	02/23/11 14:18	02/25/11	Aqueous	Same As Above
C11020714-013	Trip Blank 6092	02/21/11 00:00	02/25/11	Aqueous	SW8260B VOCs, Standard List
C11020714-014	TW4-16R	02/21/11 07:59	02/25/11	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C11020714-015	TW4-22R	02/22/11 09:44	02/25/11	Aqueous	Same As Above
C11020714-016	TW4-1R	02/23/11 09:50	02/25/11	Aqueous	Same As Above
C11020714-017	TW4-60	02/23/11 14:50	02/25/11	Aqueous	Same As Above
C11020714-018	TW4-70	02/23/11 08:40	02/25/11	Aqueous	Same As Above
C11020714-019	TW4-16	02/22/11 07:45	02/25/11	Aqueous	Same As Above
C11020714-020	TW4-26	02/22/11 08:00	02/25/11	Aqueous	Same As Above
C11020714-021	TW4-5	02/22/11 08:17	02/25/11	Aqueous	Same As Above
C11020714-022	TW4-18	02/22/11 08:40	02/25/11	Aqueous	Same As Above
C11020714-023	TW4-21	02/22/11 08:55	02/25/11	Aqueous	Same As Above
C11020714-024	Temp Blank	02/23/11 00:00	02/25/11	Aqueous	Temperature

ANALYTICAL SUMMARY REPORT

This report was prepared by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601. 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

If you have any questions regarding these test results, please call.

Report Approved By:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2011.03.11 13:11:06 -07:00

CLIENT: Denison Mines USA Corp
Project: 1st Quarter Chloroform 2011
Sample Delivery Group: C11020714

Report Date: 03/11/11

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.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp — **Report Date:** 03/11/11

Project: 1st Quarter Chloroform 2011 — **Work Order:** C11020714

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B								Batch: 110228-CL-TTR-W		
Sample ID: MBLK9-110228		Method Blank				Run: TITRATION_110228A			02/28/11 10.46	
Chloride		ND	mg/L	1.0						
Sample ID: C11020664-001A		Sample Matrix Spike				Run. TITRATION_110228A			02/28/11 11:25	
Chloride		232	mg/L	1.0	100	90	110			
Sample ID: C11020664-001A		Sample Matrix Spike Duplicate				Run: TITRATION_110228A			02/28/11 11:46	
Chloride		234	mg/L	1.0	101	90	110	0.7	10	
Sample ID: C11020714-009A		Sample Matrix Spike				Run. TITRATION_110228A			02/28/11 12:21	
Chloride		217	mg/L	1.0	100	90	110			
Sample ID: C11020714-009A		Sample Matrix Spike Duplicate				Run: TITRATION_110228A			02/28/11 12:23	
Chloride		219	mg/L	1.0	101	90	110	0.8	10	
Sample ID: LCS35-110228		Laboratory Control Sample				Run: TITRATION_110228A			02/28/11 12.25	
Chloride		3610	mg/L	1.0	102	90	110			
Sample ID: C11020714-020A		Sample Matrix Spike				Run: TITRATION_110228A			02/28/11 12.50	
Chloride		120	mg/L	1.0	101	90	110			
Sample ID: C11020714-020A		Sample Matrix Spike Duplicate				Run TITRATION_110228A			02/28/11 12:51	
Chloride		119	mg/L	1.0	100	90	110	0.7	10	
Sample ID: C11020714-023A		Sample Matrix Spike				Run TITRATION_110228A			02/28/11 13:00	
Chloride		658	mg/L	1.0	100	90	110			
Sample ID: C11020714-023A		Sample Matrix Spike Duplicate				Run: TITRATION_110228A			02/28/11 13:02	
Chloride		661	mg/L	1.0	101	90	110	0.5	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
Project: 1st Quarter Chloroform 2011

Report Date: 03/11/11
Work Order: C11020714

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Batch R143199	
Sample ID: MBLK-1	Method Blank					Run: TECHNICON_110301A			03/01/11 12.52	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2	Laboratory Control Sample					Run: TECHNICON_110301A			03/01/11 12:54	
Nitrogen, Nitrate+Nitrite as N		2.42	mg/L	0.10	97	90	110			
Sample ID: C11020710-001BMS	Sample Matrix Spike					Run: TECHNICON_110301A			03/01/11 13:47	
Nitrogen, Nitrate+Nitrite as N		2.16	mg/L	0.10	108	90	110			
Sample ID: C11020710-001BMSD	Sample Matrix Spike Duplicate					Run: TECHNICON_110301A			03/01/11 13.49	
Nitrogen, Nitrate+Nitrite as N		2.09	mg/L	0.10	105	90	110	3.3	10	
Sample ID: C11020714-007BMS	Sample Matrix Spike					Run: TECHNICON_110301A			03/01/11 14:27	
Nitrogen, Nitrate+Nitrite as N		2.10	mg/L	0.10	105	90	110			
Sample ID: C11020714-007BMSD	Sample Matrix Spike Duplicate					Run: TECHNICON_110301A			03/01/11 14.29	
Nitrogen, Nitrate+Nitrite as N		2.08	mg/L	0.10	104	90	110	1.0	10	
Sample ID: C11020714-017BMS	Sample Matrix Spike					Run: TECHNICON_110301A			03/01/11 15:04	
Nitrogen, Nitrate+Nitrite as N		2.05	mg/L	0.10	103	90	110			
Sample ID: C11020714-017BMSD	Sample Matrix Spike Duplicate					Run: TECHNICON_110301A			03/01/11 15:07	
Nitrogen, Nitrate+Nitrite as N		2.08	mg/L	0.10	104	90	110	1.5	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
Project: 1st Quarter Chloroform 2011

Report Date: 03/11/11
Work Order: C11020714

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R143162
Sample ID: 022811_LCS_4	8	Laboratory Control Sample				Run: SATURNCA_110228A				02/28/11 14:25
Carbon tetrachloride		12	ug/L	1.0	120	70	130			
Chloroform		12	ug/L	1.0	121	70	130			
Chloromethane		11	ug/L	1.0	107	70	130			
Methylene chloride		12	ug/L	1.0	120	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	115	80	130			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: 022811_MBLK_6	8	Method Blank				Run: SATURNCA_110228A				02/28/11 15:37
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	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	106	80	120			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C11020714-012CMS	8	Sample Matrix Spike				Run: SATURNCA_110228A				02/28/11 22:12
Carbon tetrachloride		14000	ug/L	1000	136	70	130			S
Chloroform		48000	ug/L	1000	165	70	130			S
Chloromethane		12000	ug/L	1000	116	70	130			
Methylene chloride		13000	ug/L	1000	126	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr: Dibromofluoromethane				1.0	109	70	130			
Surr: p-Bromofluorobenzene				1.0	110	80	120			
Surr: Toluene-d8				1.0	103	80	120			
- Spike recovery is high This is a matrix related bias since the MS MSD pair both exhibit this same behavior yet have an acceptable RPD.										
Sample ID: C11020714-012CMSD	8	Sample Matrix Spike Duplicate				Run: SATURNCA_110228A				02/28/11 22:48
Carbon tetrachloride		13000	ug/L	1000	128	70	130	6.0	20	
Chloroform		45000	ug/L	1000	137	70	130	6.0	20	S
Chloromethane		11000	ug/L	1000	109	70	130	6.4	20	
Methylene chloride		12000	ug/L	1000	116	70	130	7.9	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	108	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	108	80	120	0.0	10	
Surr: Toluene-d8				1.0	102	80	120	0.0	10	
- Spike recovery is high This is a matrix related bias since the MS MSD pair both exhibit this same behavior yet have an acceptable RPD										

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:** 03/11/11
Project: 1st Quarter Chloroform 2011 **Work Order:** C11020714

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch. R143253
Sample ID: 030211_LCS_4	8	Laboratory Control Sample				Run: SATURNCA_110302A				03/02/11 12:26
Carbon tetrachloride		10	ug/L	1.0	104	70	130			
Chloroform		9.4	ug/L	1.0	94	70	130			
Chloromethane		8.9	ug/L	1.0	89	70	130			
Methylene chloride		10	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	105	80	120			
Surr: Dibromofluoromethane				1.0	94	70	130			
Surr: p-Bromofluorobenzene				1.0	117	80	130			
Surr: Toluene-d8				1.0	109	80	120			
Sample ID: 030211_MBLK_6	8	Method Blank				Run: SATURNCA_110302A				03/02/11 13:38
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	100	80	120			
Surr: Dibromofluoromethane				1.0	96	70	130			
Surr: p-Bromofluorobenzene				1.0	103	80	120			
Surr: Toluene-d8				1.0	105	80	120			
Sample ID: C11020714-011CMS	8	Sample Matrix Spike				Run: SATURNCA_110302A				03/02/11 20:04
Carbon tetrachloride		1300	ug/L	100	130	70	130			
Chloroform		4100	ug/L	100	104	70	130			
Chloromethane		1100	ug/L	100	112	70	130			
Methylene chloride		1200	ug/L	100	116	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	111	70	130			
Surr: p-Bromofluorobenzene				1.0	112	80	120			
Surr: Toluene-d8				1.0	106	80	120			
Sample ID: C11020714-011CMSD	8	Sample Matrix Spike Duplicate				Run: SATURNCA_110302A				03/02/11 20:40
Carbon tetrachloride		1300	ug/L	100	130	70	130	0.6	20	
Chloroform		4100	ug/L	100	104	70	130	0.0	20	
Chloromethane		1100	ug/L	100	109	70	130	3.3	20	
Methylene chloride		1100	ug/L	100	110	70	130	5.3	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	106	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	110	80	120	0.0	10	
Surr: Toluene-d8				1.0	107	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

C11020714

Denison Mines USA Corp

Login completed by: Halley Ackerman
Reviewed by: BL2000\kschroeder
Reviewed Date: 2/25/2011

Date Received: 2/25/2011
Received by: em
Carrier name: FedEx

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?	Yes ☑	No ☐	
Container/Temp Blank temperature	2 4°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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of ~~2~~ 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines

Project Name, PWS, Permit, Etc.: 1st Quarter Chloroform 2011

Sample Origin State: UT

EPA/State Compliance: Yes ☑ No ☐

Report Mail Address: PO Box 809
Blanding UT 84511

Contact Name: Ryan Palmer

Phone/Fax: 435 678 2221

Email:

Sampler: (Please Print) Garrin Palmer

Invoice Address: same

Invoice Contact & Phone: same

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ______
☐ Other: ______
☐ EDD/EDT (Electronic Data) Format: ______
☐ LEVEL IV
☐ 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)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fed Ex
Cooler ID(s): [illegible]
Receipt Temp 2.4 °C
On Ice: [✓ Y] N
Custody Seal On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

	SAMPLE IDENTIFICATION (Name, Location, interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C2975
1	TW4-22	2/23/11	0740	5W	X
2	TW4-6	2/23/11	0800	5W	X
3	TW4-11	2/23/11	0825	5W	X
4	TW4-15	2/23/11	1330	5W	X
5	TW4-10	2/23/11	0840	5W	X
6	TW4-7	2/23/11	0900	5W	X
7	TW4-17	2/23/11	1340	5W	X
8	TW4-1	2/24/11	0800	5W	X
9	MW-4	2/23/11	1255	5W	X
10	TW4-4	2/23/11	1350	5W	X

LABORATORY USE ONLY C11020714

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday Date/Time: 2/24/2011 1130 Signature: Tanner Holliday
Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Received by Laboratory: C. McPike Date/Time 2/25/11 10:15 Signature
Sample Disposal: Return to Client: ______ Lab Disposal: ______

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.

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

Page 2 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines

Project Name, PWS, Permit, Etc.: 1st Quarter Chloroform 2011

Sample Origin State: UT

EPA/State Compliance: Yes ☑ No ☐

Report Mail Address: PO Box 809
Blanding UT 84511

Contact Name: Ryan Palmer

Phone/Fax: 435 678 2221

Email:

Sampler: (Please Print) Garrin Palmer

Invoice Address: Same

Invoice Contact & Phone: Same

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ______
☐ Other: ______
☐ EDD/EDT(Electronic Data)
Format: ______
☐ LEVEL IV
☐ 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

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Shipped by: FedEx

Cooler ID(s): Client

Receipt Temp 2.4 °C

On Ice: [✓ Y] N

Custody Seal
On Bottle Y [✓ N]
On Cooler Y N
Intact Y N
Signature Match [✓ Y] N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote #62975									SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments:	LABORATORY USE ONLY
1 TW4-2	2/24/11	0815	SW	X													
2 TW4-20	2/23/11	1418	SW	X													
3 Trip Blank 6092	2/21/11		[illegible]	X													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday Date/Time: 2/24/2011 1130 Signature: Tanner Holliday

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: 2/25/11 1015 Signature:

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.

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

Page 3 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 1st Quarter Chloroform 2011	Sample Origin State: UT	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Ryan Palmer Phone/Fax: 435 678 2221	Email:	Sampler: (Please Print) Garrin Palmer
Invoice Address: Same	Invoice Contact & Phone: Same	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ______
☐ Other: ______
☐ EDD/EDT(Electronic Data)
Format: ______
☐ LEVEL IV
☐ 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: Quote # C2975

SEE ATTACHED

Standard Turnaround (TAT)

RUSH → Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fedex
Cooler ID(s): Client
Receipt Temp 2.4 °C
On Ice: [✓ Y] N
Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C2975									SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments	LABORATORY USE ONLY
1 TW4-16R	2/21/11	0759	SW	X													
2 TW4-22R	2/22/11	0944	SW	X													
3 TW4-1R	2/23/11	0950	SW	X													
4 TW4-60	2/23/11	1450	SW	X													
5 TW4-70	2/23/11	0840	SW	X													
6 TW4-16	2/22/11	0745	SW	X													
7 TW4-26	2/22/11	0800	SW	X													
8 TW4-5	2/22/11	0817	SW	X													
9 TW4-18	2/22/11	0840	SW	X													
10 TW4-21	2/22/11	0855	SW	X												Temp Blanks	

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday	Date/Time: 2/24/2011 1130	Signature: Tanner Holliday	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: C. McPike	Date/Time: 2/25/11 11:15	Signature:

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	--			1798		N/A	6.91		N/A	15.41		N/A	388		N/A	0.0		N/A
TW4-1	60.64	59.16	61	59	Pumped Dry	2013	1819	10.13	6.33	6.32	0.16	13.61	13	4.58	405	404	0.25	136.7	240.9	55.19
TW4-2	69.48	40.80	69	41	Pumped Dry	2342	2292	2.16	7.16	6.82	4.86	13.51	13.97	3.35	358	354	1.12	50.3	48	4.68
TW4-3	119.56	77.01	120	77	Pumped Dry	1555	1530	1.62	6.89	6.87	0.29	13.87	13.84	0.22	397	412	3.71	7.9	2.1	116.00
TW4-4	NA	Continuously pumped well	--			2311		N/A	6.65		N/A	16.03		N/A	251		N/A	15.6		N/A
TW4-5	82.78	241.74	83	242	OK	1389	1381	0.58	6.61	6.6	0.15	14.38	14.36	0.14	350	348	0.57	29.1	29.1	0.00
TW4-6	28.98	35.02	29	35	OK	3649	3482	4.68	7.02	6.64	5.56	13.6	13.79	1.39	385	378	1.83	224	352	44.44
TW4-7	69.58	60.01	70	60	Pumped Dry	1982	1381	35.74	6.94	7.01	1.00	14.16	14.21	0.35	269	276	2.57	54.5	43.3	22.90
TW4-8	76.58	256.87	77	257	OK	3213	3218	0.16	6.98	6.99	0.14	14.29	14.2	0.63	171	171	0.00	156.1	151.5	2.99
TW4-9	85.60	257.21	86	257	OK	2423	2424	0.04	6.66	6.64	0.30	14.49	14.45	0.28	244	241	1.24	363	349	3.93
TW4-10	73.64	40.80	74	41	Pumped Dry	2194		N/A	6.32		N/A	14.47		N/A	380		N/A	43.8		N/A
TW4-11	53.86	58.82	54	59	OK	1619	1528	5.78	6.96	6.88	1.16	13.94	13.95	0.07	329	337	2.40	14.8	32.2	74.04
TW4-12	81.22	240.38	81	240	OK	901	899	0.22	7.15	7.14	0.14	14.56	14.57	0.07	230	229	0.44	1264	1154	9.10
TW4-13	72.90	39.44	73	39	Pumped Dry	1324		N/A	7.08		N/A	14.56		N/A	257		N/A	11		N/A
TW4-14	6.50	2.55	7	3	Pumped Dry	2997		N/A	7.99		N/A	14.97		N/A	150		N/A	785		N/A
TW4-15	NA	Continuously pumped well	--			3379		N/A	6.71		N/A	14.84		N/A	292		N/A	0.00		N/A
TW4-16	101.06	92.14	101	92	Pumped Dry	3660	3550	3.05	6.58	6.63	0.76	12.18	12.85	5.35	385	350	9.52	143.2	90.5	45.10
TW4-17	73.76	78.12	74	78	OK	4057	4057	0.00	6.17	6.17	0.00	14.11	14.1	0.07	104	103	0.97	5.7	5.7	0.00
TW4-18	104.86	261.12	105	261	OK	1341	1331	0.75	6.45	6.44	0.16	14.85	14.83	0.13	304	307	0.98	12.9	12.4	3.95
TW4-19	NA	Continuously pumped well	--			3135		N/A	6.71		N/A	15.24		N/A	235		N/A	149.4		N/A
TW4-20	NA	Continuously pumped well	--			3697		N/A	5.87		N/A	15.3		N/A	314		N/A	0.00		N/A
TW4-21	81.54	240.55	82	241	OK	3270	3270	0.00	6.95	6.47	7.15	15.26	15.21	0.33	299	297	0.67	9	8.9	1.12
TW4-22	77.36	43.01	77	43	Pumped Dry	4047		N/A	6.79		N/A	14.3		N/A	416		N/A	6.3		N/A
TW4-23	62.94	190.74	63	191	OK	3597	3597	0.00	6.55	6.55	0.00	13.49	13.45	0.30	239	238	0.42	1215	1240	2.04
TW4-24	37.14	226.10	37	226	OK	9041	9043	0.02	6.67	6.66	0.15	14.84	14.87	0.20	259	257	0.78	108	101.4	6.30
TW4-25	115.22	325.21	115	325	OK	2959	2962	0.10	7.15	7.16	0.14	14.52	14.49	0.21	210	209	0.48	2766	2899	4.70
TW4-26	28.26	17.68	28	18	Pumped Dry	3132		N/A	4.85		N/A	9.81		N/A	537		N/A	24.9		N/A

MW-4, TW4-4, TW4-15, TW4-19, and TW4-20 are continually pumped wells.

TW4-1,TW4-2,TW4-3, TW4-6, TW4-7, TW4-10, TW4-11, TW4-13, TW4-14, TW4-16,TW4-22, and TW4-26 were pumped dry and sampled after recovery.

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	Holding Time	Allowed Holding Time	Holding Time Check
MW-4	Chloroform	7.00 days	14 days	OK
MW-4	Chloromethane	6.00 days	14 days	OK
MW-4	Methylene chloride	6.00 days	14 days	OK
MW-4	Carbon Tetrachloride	6.00 days	14 days	OK
MW-4	Nitrogen	6.00 days	28 days	OK
MW-4	Chloride	5.00 days	28 days	OK
TW4-1	Chloroform	6.00 days	14 days	OK
TW4-1	Chloromethane	5.00 days	14 days	OK
TW4-1	Methylene chloride	5.00 days	14 days	OK
TW4-1	Carbon Tetrachloride	5.00 days	14 days	OK
TW4-1	Nitrogen	5.00 days	28 days	OK
TW4-1	Chloride	4.00 days	28 days	OK
TW4-2	Chloroform	6.00 days	14 days	OK
TW4-2	Chloromethane	5.00 days	14 days	OK
TW4-2	Methylene chloride	5.00 days	14 days	OK
TW4-2	Carbon Tetrachloride	5.00 days	14 days	OK
TW4-2	Nitrogen	5.00 days	28 days	OK
TW4-2	Chloride	4.00 days	28 days	OK
TW4-3	Chloroform	10.00 days	14 days	OK
TW4-3	Chloromethane	10.00 days	14 days	OK
TW4-3	Methylene chloride	10.00 days	14 days	OK
TW4-3	Carbon Tetrachloride	10.00 days	14 days	OK
TW4-3	Nitrogen	7.00 days	28 days	OK
TW4-3	Chloride	9.00 days	28 days	OK
TW4-4	Chloroform	7.00 days	14 days	OK
TW4-4	Chloromethane	6.00 days	14 days	OK
TW4-4	Methylene chloride	6.00 days	14 days	OK
TW4-4	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-4	Nitrogen	6.00 days	28 days	OK
TW4-4	Chloride	5.00 days	28 days	OK
TW4-5	Chloroform	9.00 days	14 days	OK
TW4-5	Chloromethane	9.00 days	14 days	OK
TW4-5	Methylene chloride	9.00 days	14 days	OK
TW4-5	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-5	Nitrogen	7.00 days	28 days	OK
TW4-5	Chloride	6.00 days	28 days	OK
TW4-6	Chloroform	7.00 days	14 days	OK
TW4-6	Chloromethane	6.00 days	14 days	OK
TW4-6	Methylene chloride	6.00 days	14 days	OK
TW4-6	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-6	Nitrogen	6.00 days	28 days	OK
TW4-6	Chloride	5.00 days	28 days	OK
TW4-7	Chloroform	5.00 days	14 days	OK
TW4-7	Chloromethane	6.00 days	14 days	OK
TW4-7	Methylene chloride	6.00 days	14 days	OK
TW4-7	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-7	Nitrogen	6.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Holding Time	Allowed Holding Time	Holding Time Check
TW4-7	Chloride	5.00 days	28 days	OK
TW4-8	Chloroform	9.00 days	14 days	OK
TW4-8	Chloromethane	9.00 days	14 days	OK
TW4-8	Methylene chloride	9.00 days	14 days	OK
TW4-8	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-8	Nitrogen	6.00 days	28 days	OK
TW4-8	Chloride	8.00 days	28 days	OK
TW4-9	Chloroform	8.00 days	14 days	OK
TW4-9	Chloromethane	8.00 days	14 days	OK
TW4-9	Methylene chloride	8.00 days	14 days	OK
TW4-9	Carbon Tetrachloride	8.00 days	14 days	OK
TW4-9	Nitrogen	5.00 days	28 days	OK
TW4-9	Chloride	7.00 days	28 days	OK
TW4-10	Chloroform	7.00 days	14 days	OK
TW4-10	Chloromethane	6.00 days	14 days	OK
TW4-10	Methylene chloride	6.00 days	14 days	OK
TW4-10	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-10	Nitrogen	6.00 days	28 days	OK
TW4-10	Chloride	5.00 days	28 days	OK
TW4-11	Chloroform	5.00 days	14 days	OK
TW4-11	Chloromethane	6.00 days	14 days	OK
TW4-11	Methylene chloride	6.00 days	14 days	OK
TW4-11	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-11	Nitrogen	6.00 days	28 days	OK
TW4-11	Chloride	5.00 days	28 days	OK
TW4-12	Chloroform	10.00 days	14 days	OK
TW4-12	Chloromethane	10.00 days	14 days	OK
TW4-12	Methylene chloride	10.00 days	14 days	OK
TW4-12	Carbon Tetrachloride	10.00 days	14 days	OK
TW4-12	Nitrogen	7.00 days	28 days	OK
TW4-12	Chloride	9.00 days	28 days	OK
TW4-13	Chloroform	10.00 days	14 days	OK
TW4-13	Chloromethane	10.00 days	14 days	OK
TW4-13	Methylene chloride	10.00 days	14 days	OK
TW4-13	Carbon Tetrachloride	10.00 days	14 days	OK
TW4-13	Nitrogen	7.00 days	28 days	OK
TW4-13	Chloride	9.00 days	28 days	OK
TW4-14	Chloroform	10.00 days	14 days	OK
TW4-14	Chloromethane	10.00 days	14 days	OK
TW4-14	Methylene chloride	10.00 days	14 days	OK
TW4-14	Carbon Tetrachloride	10.00 days	14 days	OK
TW4-14	Nitrogen	7.00 days	28 days	OK
TW4-14	Chloride	9.00 days	28 days	OK
TW4-15	Chloroform	7.00 days	14 days	OK
TW4-15	Chloromethane	5.00 days	14 days	OK
TW4-15	Methylene chloride	5.00 days	14 days	OK
TW4-15	Carbon Tetrachloride	5.00 days	14 days	OK
TW4-15	Nitrogen	6.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Holding Time	Allowed Holding Time	Holding Time Check
TW4-15	Chloride	5.00 days	28 days	OK
TW4-16	Chloroform	9.00 days	14 days	OK
TW4-16	Chloromethane	9.00 days	14 days	OK
TW4-16	Methylene chloride	9.00 days	14 days	OK
TW4-16	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-16	Nitrogen	7.00 days	28 days	OK
TW4-16	Chloride	6.00 days	28 days	OK
TW4-17	Chloroform	5.00 days	14 days	OK
TW4-17	Chloromethane	5.00 days	14 days	OK
TW4-17	Methylene chloride	5.00 days	14 days	OK
TW4-17	Carbon Tetrachloride	5.00 days	14 days	OK
TW4-17	Nitrogen	6.00 days	28 days	OK
TW4-17	Chloride	5.00 days	28 days	OK
TW4-18	Chloroform	9.00 days	14 days	OK
TW4-18	Chloromethane	9.00 days	14 days	OK
TW4-18	Methylene chloride	9.00 days	14 days	OK
TW4-18	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-18	Nitrogen	7.00 days	28 days	OK
TW4-18	Chloride	6.00 days	28 days	OK
TW4-19	Chloroform	11.00 days	14 days	OK
TW4-19	Chloromethane	9.00 days	14 days	OK
TW4-19	Methylene chloride	9.00 days	14 days	OK
TW4-19	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-19	Nitrogen	5.00 days	28 days	OK
TW4-19	Chloride	7.00 days	28 days	OK
TW4-20	Chloroform	5.00 days	14 days	OK
TW4-20	Chloromethane	6.00 days	14 days	OK
TW4-20	Methylene chloride	6.00 days	14 days	OK
TW4-20	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-20	Nitrogen	6.00 days	28 days	OK
TW4-20	Chloride	5.00 days	28 days	OK
TW4-21	Chloroform	9.00 days	14 days	OK
TW4-21	Chloromethane	9.00 days	14 days	OK
TW4-21	Methylene chloride	9.00 days	14 days	OK
TW4-21	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-21	Nitrogen	7.00 days	28 days	OK
TW4-21	Chloride	6.00 days	28 days	OK
TW4-22	Chloroform	5.00 days	14 days	OK
TW4-22	Chloromethane	6.00 days	14 days	OK
TW4-22	Methylene chloride	6.00 days	14 days	OK
TW4-22	Carbon Tetrachloride	6.00 days	14 days	OK
TW4-22	Nitrogen	6.00 days	28 days	OK
TW4-22	Chloride	5.00 days	28 days	OK
TW4-23	Chloroform	9.00 days	14 days	OK
TW4-23	Chloromethane	9.00 days	14 days	OK
TW4-23	Methylene chloride	9.00 days	14 days	OK
TW4-23	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-23	Nitrogen	6.00 days	28 days	OK

I-2: Holding Time Evaluation

Location	Constituent	Holding Time	Allowed Holding Time	Holding Time Check
TW4-23	Chloride	8.00 days	28 days	OK
TW4-24	Chloroform	8.00 days	14 days	OK
TW4-24	Chloromethane	8.00 days	14 days	OK
TW4-24	Methylene chloride	8.00 days	14 days	OK
TW4-24	Carbon Tetrachloride	8.00 days	14 days	OK
TW4-24	Nitrogen	5.00 days	28 days	OK
TW4-24	Chloride	7.00 days	28 days	OK
TW4-25	Chloroform	9.00 days	14 days	OK
TW4-25	Chloromethane	9.00 days	14 days	OK
TW4-25	Methylene chloride	9.00 days	14 days	OK
TW4-25	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-25	Nitrogen	6.00 days	28 days	OK
TW4-25	Chloride	8.00 days	28 days	OK
TW4-26	Chloroform	9.00 days	14 days	OK
TW4-26	Chloromethane	9.00 days	14 days	OK
TW4-26	Methylene chloride	9.00 days	14 days	OK
TW4-26	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-26	Nitrogen	7.00 days	28 days	OK
TW4-26	Chloride	6.00 days	28 days	OK
TW4-60	Chloroform	8.00 days	14 days	OK
TW4-60	Chloromethane	8.00 days	14 days	OK
TW4-60	Methylene chloride	8.00 days	14 days	OK
TW4-60	Carbon Tetrachloride	8.00 days	14 days	OK
TW4-60	Nitrogen	6.00 days	28 days	OK
TW4-60	Chloride	5.00 days	28 days	OK
TW4-65	Chloroform	8.00 days	14 days	OK
TW4-65	Chloromethane	9.00 days	14 days	OK
TW4-65	Methylene chloride	9.00 days	14 days	OK
TW4-65	Carbon Tetrachloride	9.00 days	14 days	OK
TW4-65	Nitrogen	5.00 days	28 days	OK
TW4-65	Chloride	7.00 days	28 days	OK
TW4-70	Chloroform	8.00 days	14 days	OK
TW4-70	Chloromethane	8.00 days	14 days	OK
TW4-70	Methylene chloride	8.00 days	14 days	OK
TW4-70	Carbon Tetrachloride	8.00 days	14 days	OK
TW4-70	Nitrogen	6.00 days	28 days	OK
TW4-70	Chloride	5.00 days	28 days	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
C11020540	TW4-3, TW4-3R, TW4-8, TW4-9,TW4-9R, TW4-12, TW4-13, TW4-14,TW4-19, TW4-23, TW4-23R,TW4-24, TW4-25, TW4-65, Trip Blank	3 °C
C11020714	MW-4,TW4-1,TW4-1R,TW4-2,TW4-4,TW4-5,TW4-6,TW4-7,TW4-10,TW4-11,TW4-15,TW4-16,TW4-16R,TW4-17,TW4-18,TW4-20,TW4-21,TW4-22,TW4-22R,TW4-26,TW4-60,TW4-70,Trip Blank	2.4 °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 specificied in the QAP

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
MW-4	Chloroform	100 ug/L	1.0 ug/L	D	OK
MW-4	Chloromethane	1 ug/L	1.0 ug/L	U	OK
MW-4	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
MW-4	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
MW-4	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
MW-4	Chloride	1 mg/L	1 mg/L		OK
TW4-1	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-1	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-1	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-1	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-1	Nitrogen	0.5 mg/L	0.1 mg/L	D	OK
TW4-1	Chloride	1 mg/L	1 mg/L		OK
TW4-2	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-2	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-2	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-2	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-2	Chloride	1 mg/L	1 mg/L		OK
TW4-3	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-3	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-3	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-3	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-3	Nitrogen	0.2 mg/L	0.1 mg/L	D	OK
TW4-3	Chloride	1 mg/L	1 mg/L		OK
TW4-4	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-4	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-4	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-4	Carbon Tetrachloride	1 ug/L	1.0 ug/L		OK
TW4-4	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-4	Chloride	1 mg/L	1 mg/L		OK
TW4-5	Chloroform	1 ug/L	1.0 ug/L		OK
TW4-5	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-5	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-5	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-5	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-5	Chloride	1 mg/L	1 mg/L		OK
TW4-6	Chloroform	10 ug/L	1.0 ug/L	D	OK
TW4-6	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-6	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-6	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-6	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-6	Chloride	1 mg/L	1 mg/L		OK
TW4-7	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-7	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-7	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-7	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-7	Nitrogen	0.2 mg/L	0.1 mg/L	D	OK
TW4-7	Chloride	1 mg/L	1 mg/L		OK

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
TW4-8	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-8	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-8	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-8	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-8	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
TW4-8	Chloride	1 mg/L	1 mg/L		OK
TW4-9	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-9	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-9	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-9	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-9	Chloride	1 mg/L	1 mg/L		OK
TW4-10	Chloroform	100 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	1 mg/L	0.1 mg/L	D	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	0.2 mg/L	0.1 mg/L	D	OK
TW4-14	Chloride	1 mg/L	1 mg/L		OK
TW4-15	Chloroform	100 ug/L	1.0 ug/L	D	OK
TW4-15	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-15	Methylene chloride	1 ug/L	1.0 ug/L		OK
TW4-15	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-15	Nitrogen	0.1 mg/L	0.1 mg/L		OK
TW4-15	Chloride	1 mg/L	1 mg/L		OK
TW4-16	Chloroform	1 ug/L	1.0 ug/L		OK

I-5 Reporting Limit Evaluation

Location	**Constituent**	**Lab Reporting Limit**	**Rqd' Reporting Limit**	**Qualifier**	**Qualifier Check**
TW4-16	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-16	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-16	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-16	Nitrogen	1 mg/L	0.1 mg/L	D	OK
TW4-16	Chloride	1 mg/L	1 mg/L		OK
TW4-17	Chloroform	1 ug/L	1.0 ug/L	U	OK
TW4-17	Chloromethane	1 ug/L	1.0 ug/L	U	OK
TW4-17	Methylene chloride	1 ug/L	1.0 ug/L	U	OK
TW4-17	Carbon Tetrachloride	1 ug/L	1.0 ug/L	U	OK
TW4-17	Nitrogen	0.1 mg/L	0.1 mg/L	U	OK
TW4-17	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	1 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	2 mg/L	0.1 mg/L	D	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	0.2 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	100 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
TW4-24	Chloroform	1 ug/L	1.0 ug/L		OK

I-5 Reporting Limit Evaluation

Location	Constituent	Lab Reporting Limit	Rqd' Reporting Limit	Qualifier	Qualifier Check
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
TW4-60	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	U	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		OK
TW4-65	Nitrogen	2 mg/L	0.1 mg/L	D	OK
TW4-65	Chloride	1 mg/L	1 mg/L		OK
TW4-70	Chloroform	100 ug/L	1.0 ug/L	D	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	1 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 analytical

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result
C11020540	Carbon tetrachloride	ND ug/L
	Chloroform	ND ug/L
	Chloromethane	ND ug/L
	Methylene chloride	ND ug/L
C11020714	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	**TW4-19**	**TW4-65**	**%RPD**
Carbon Tetrachloride	17	15	13
Chloride	135	134	1
Chloroform	3400	5600	49
Chloromethane	ND	ND	NC
Methylene Chloride	ND	ND	NC
Nitrate	17	17	0

Constituent	**TW4-10**	**TW4-70**	**%RPD**
Carbon Tetrachloride	ND	ND	NC
Chloride	62	65	5
Chloroform	620	810	27
Chloromethane	ND	ND	NC
Methylene Chloride	ND	ND	NC
Nitrate	9	9	0

ND = Not detected

NC = Not calculated

RPD > 20

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
C11020540	C11020714-012	TW4-20	Chloroform	165	137	70 - 130	6
C11020714	C11020714-012	TW4-20	Carbon Tetrachloride	136	128	70 - 130	6
C11020714	C11020714-012	TW4-20	Chloroform	165	137	70 - 130	6

Surrogate % Recovery

Lab Report	Well/Sample	Analyte	Surrogate %REC	Lab Specified REC Range	QAP Required Range
C11020714	TW4-70	Dibromofluoromethane	131	70 - 130	None

I-9 Rinsate Evaluation

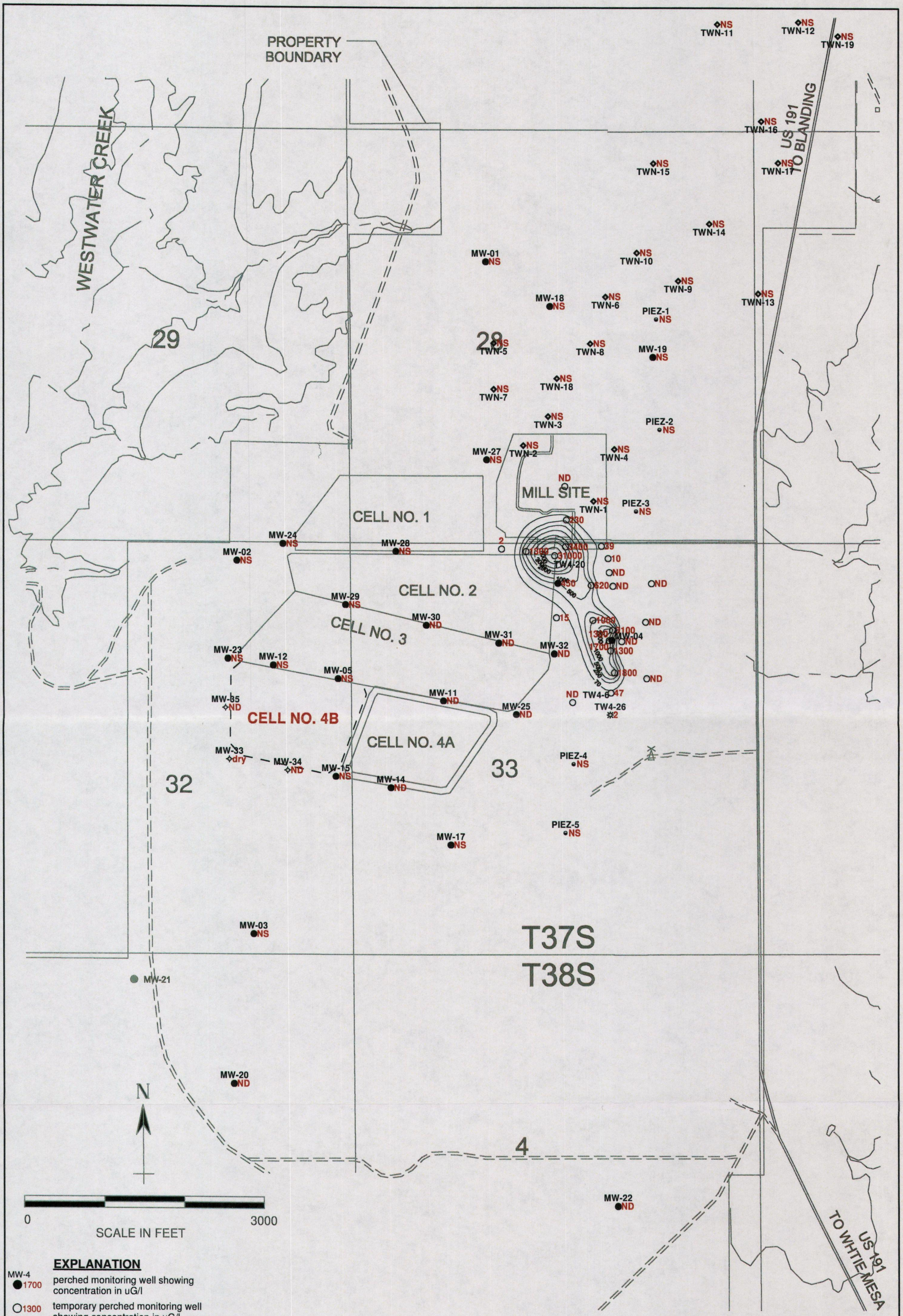
Rinsate Sample	Parameter	Rinsate Result		Previous Well Sampled	Result for Previous Well Sampled		Qualifier	Rinsate Reporting Limit
TW4-1R	Nitrogen	0.4	mg/L	TW4-7	3.6	mg/L	D	0.1 mg/L
TW4-3R	Nitrogen	0.2	mg/L	None - rinsate collected at the begining of the program	NA	mg/L		0.1 mg/L
TW4-9R	Nitrogen	0.2	mg/L	TW4-8	ND	mg/L		0.1 mg/L
TW4-16R	Nitrogen	0.2	mg/L	TW4-19	17	mg/L	D	0.1 mg/L
TW4-22R	Nitrogen	0.2	mg/L	TW4-21	9	mg/L	D	0.1 mg/L
TW4-23R	Nitrogen	ND	mg/L	TW4-14	1.8	mg/L		0.1 mg/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.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map



EXPLANATION

MW-4 ● 1700	perched monitoring well showing concentration in uG/l
○ 1300	temporary perched monitoring well showing concentration in uG/l
PIEZ-1 ● NS	perched piezometer (not sampled)
TWN-1 ◆ NS	temporary perched nitrate monitoring well (not sampled)
TW4-26 ☼ 2	temporary perched monitoring well installed May, 2010 showing concentration in uG/l
MW-34 ◇ ND	perched monitoring well installed August/September, 2010

NOTES: ND = not detected, NS = not sampled

HYDRO
GEO
CHEM, INC.

KRIGED 1st QUARTER, 2011 CHLOROFORM (uG/L)
WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
SJS	Q1 2011	H:/718000/may11/ch01211.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

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

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

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

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

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

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

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Feb-11	47	ND	ND	ND	0.7	40

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

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

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

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

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

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

TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (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

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

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

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

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

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

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

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

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

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

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

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

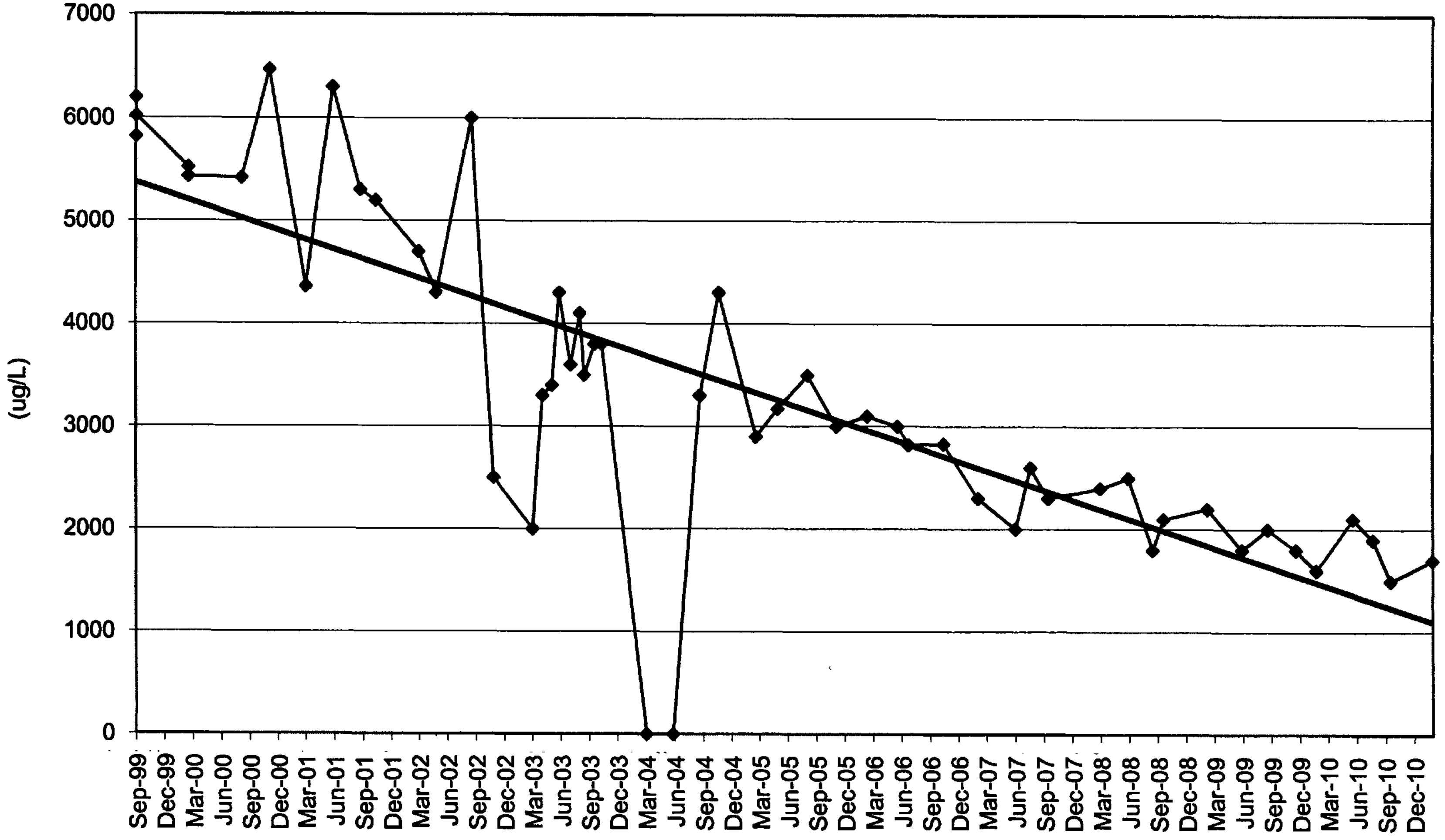
TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	17.1	395
15-Aug-07	<1	<1	<1	<1	16.7	382
10-Oct-07	<1	<1	<1	<1	17	356
26-Mar-08	<1	<1	<1	<1	18.7	374
25-Jun-08	<1	<1	<1	<1	22.1	344
10-Sep-08	<1	<1	<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

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

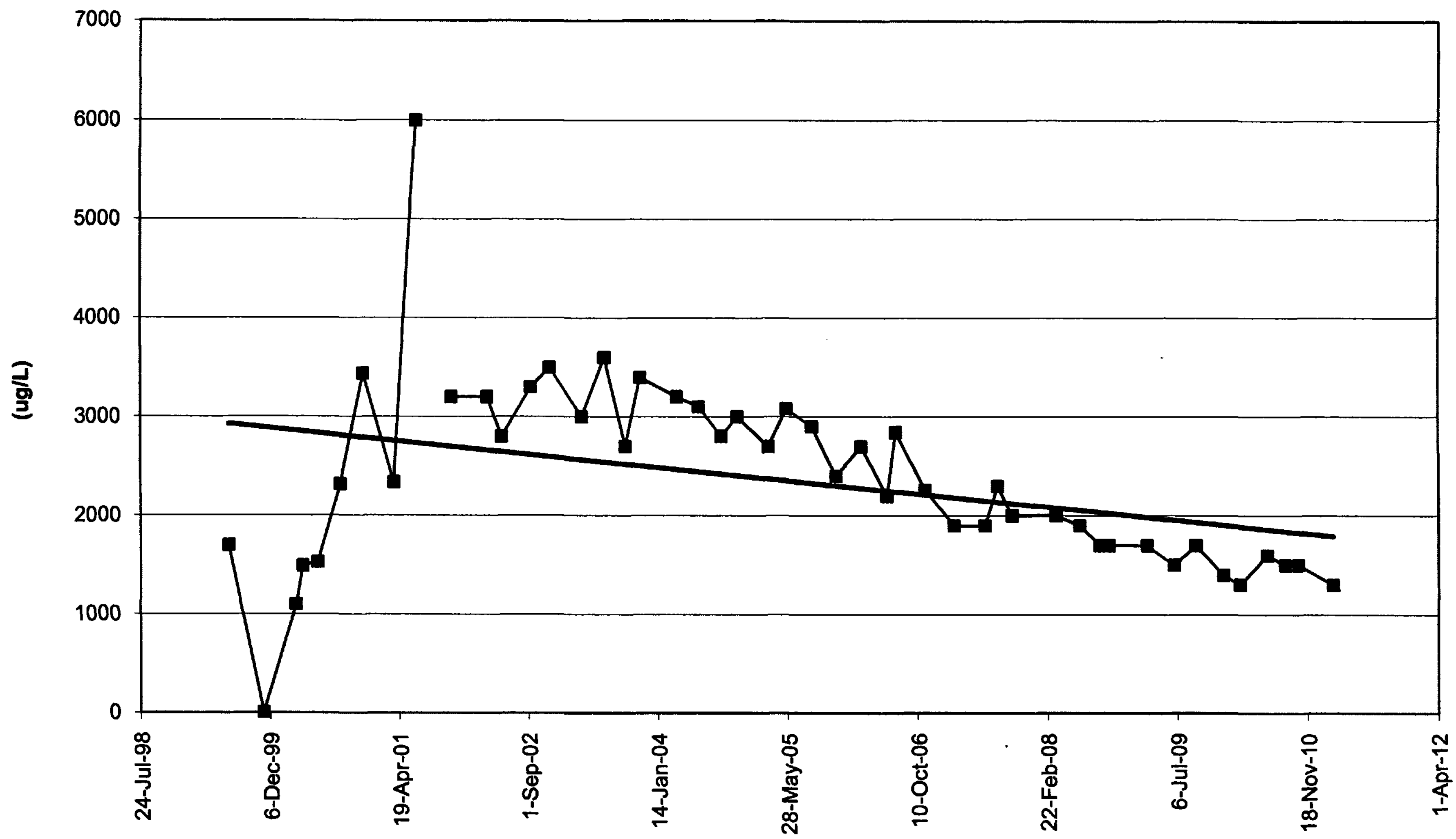
Tab L

Chloroform Concentration Trend Graphs

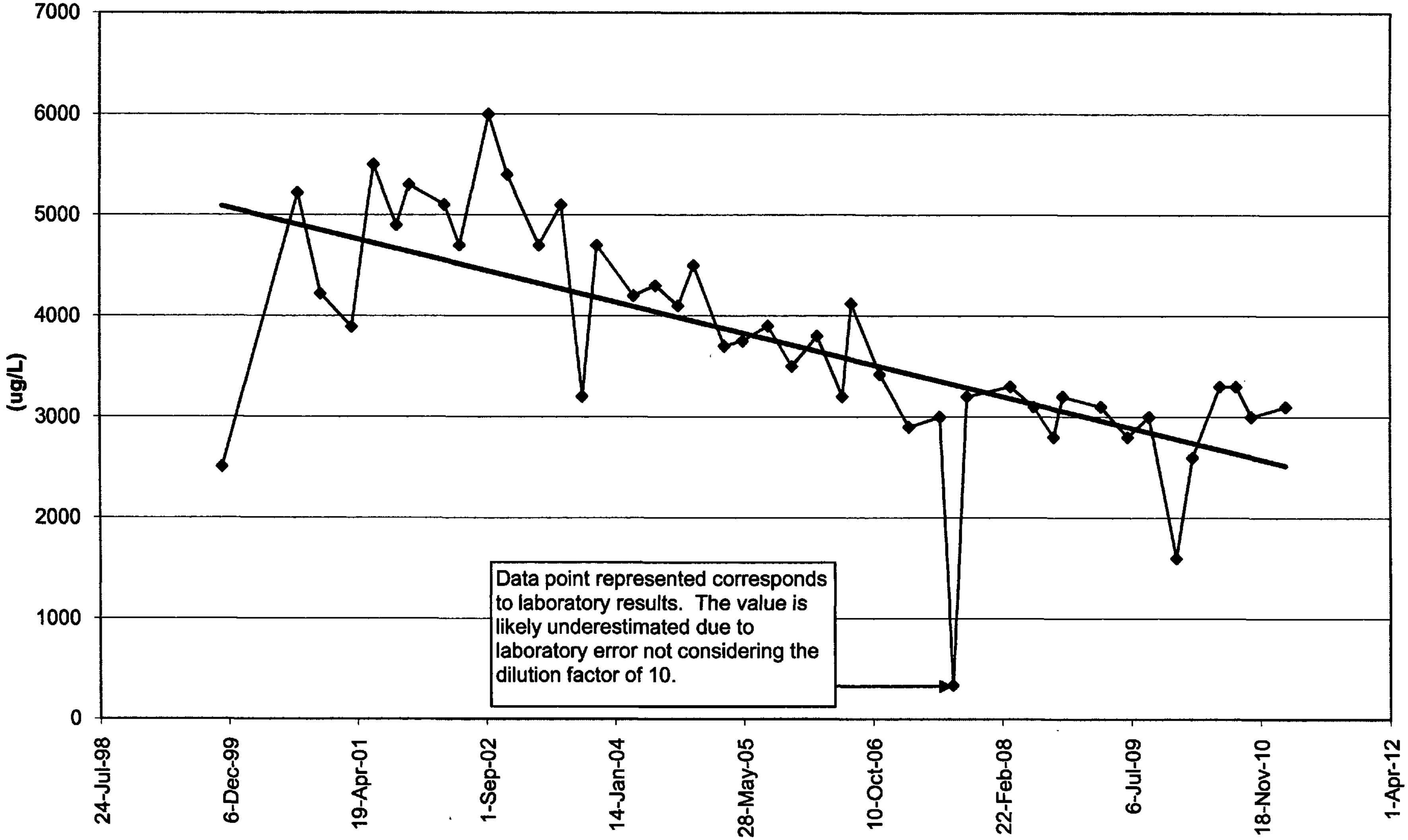
MW4-Chloroform Values



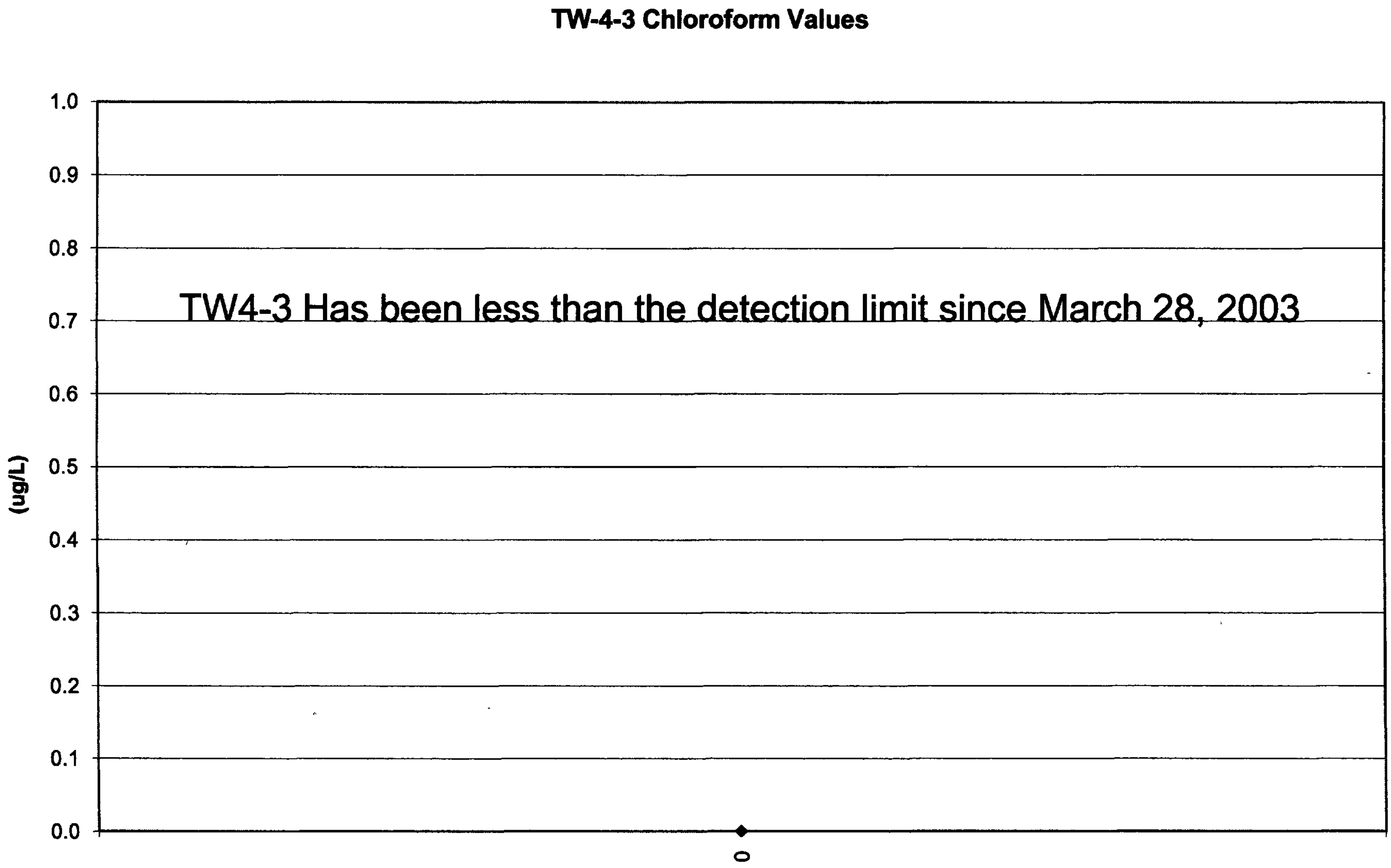
TW4-1 Chloroform Values



TW4-2 Chloroform Values



Data point represented corresponds to laboratory results. The value is likely underestimated due to laboratory error not considering the dilution factor of 10.

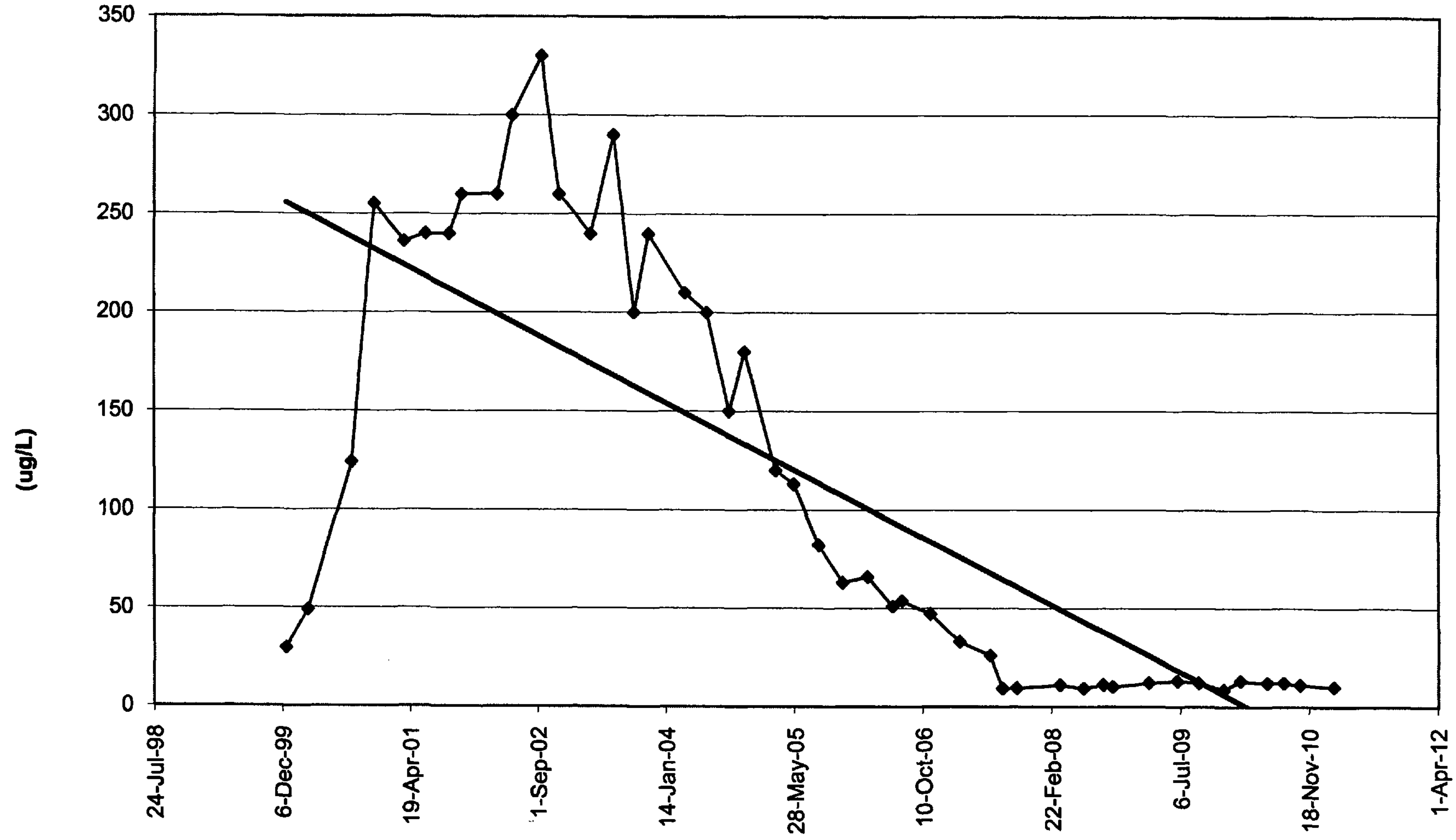


TW-4-3 Chloroform Values

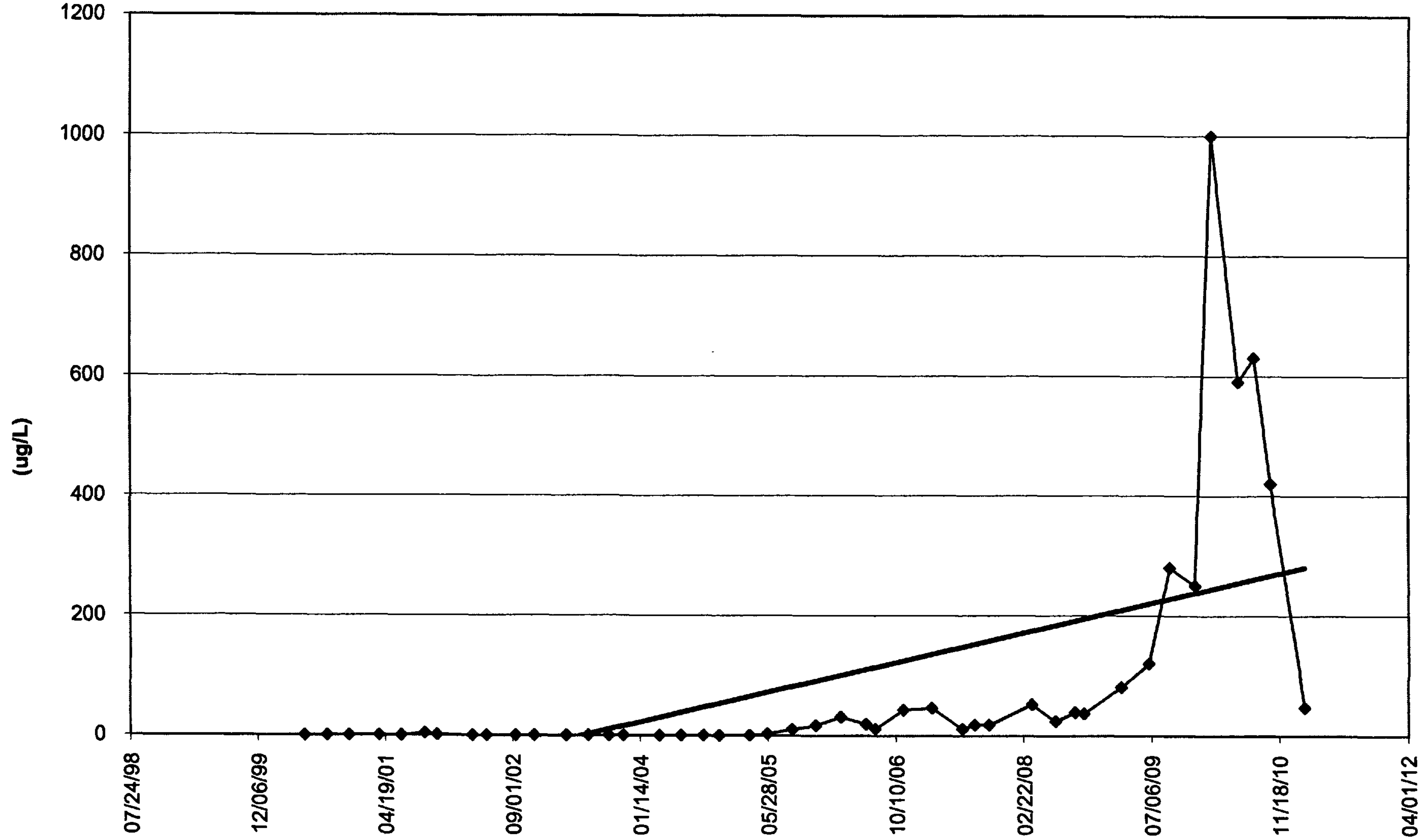
TW4-3 Has been less than the detection limit since March 28, 2003

TW4-4 Chloroform Values

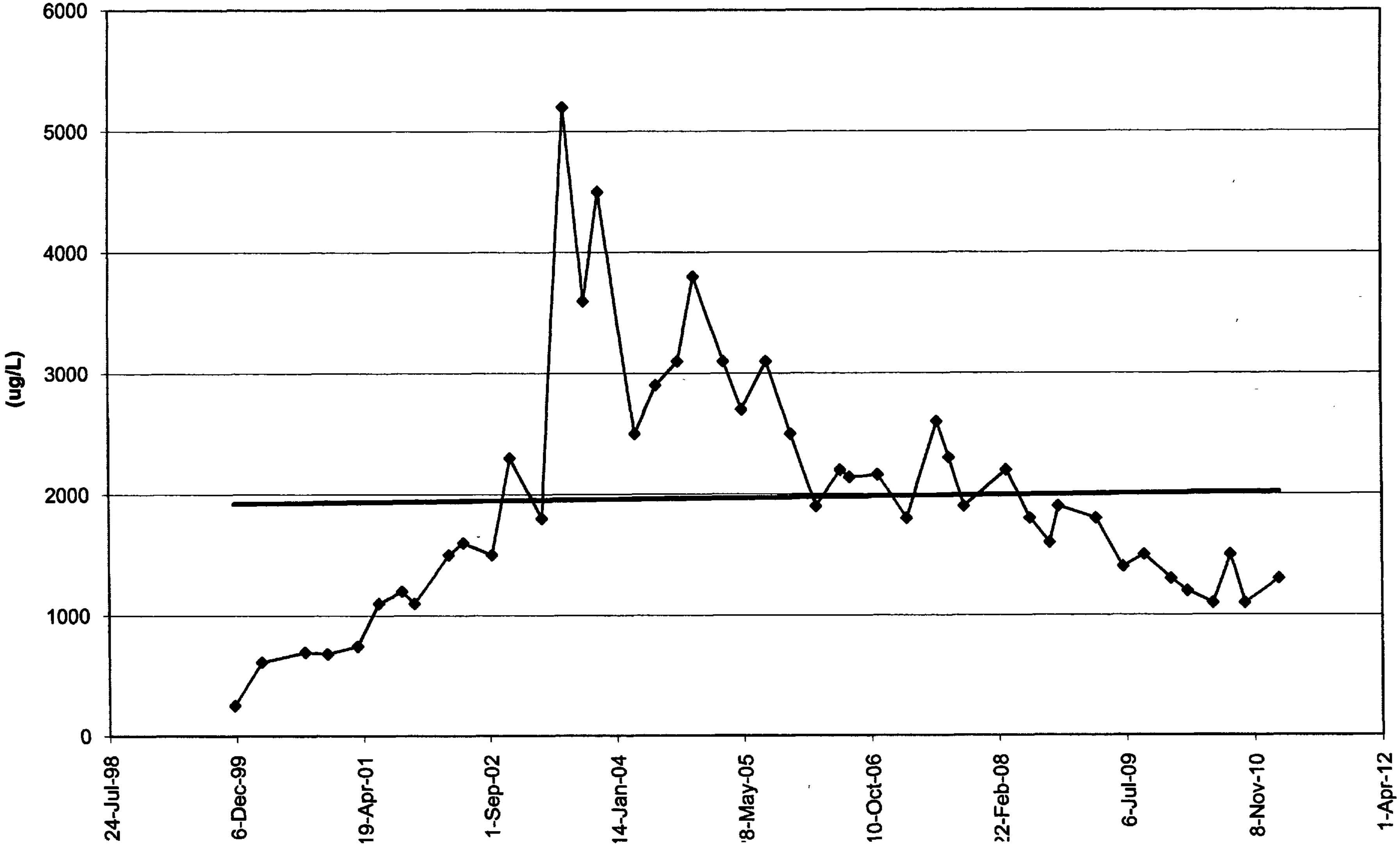
TW4-5 Chloroform Values



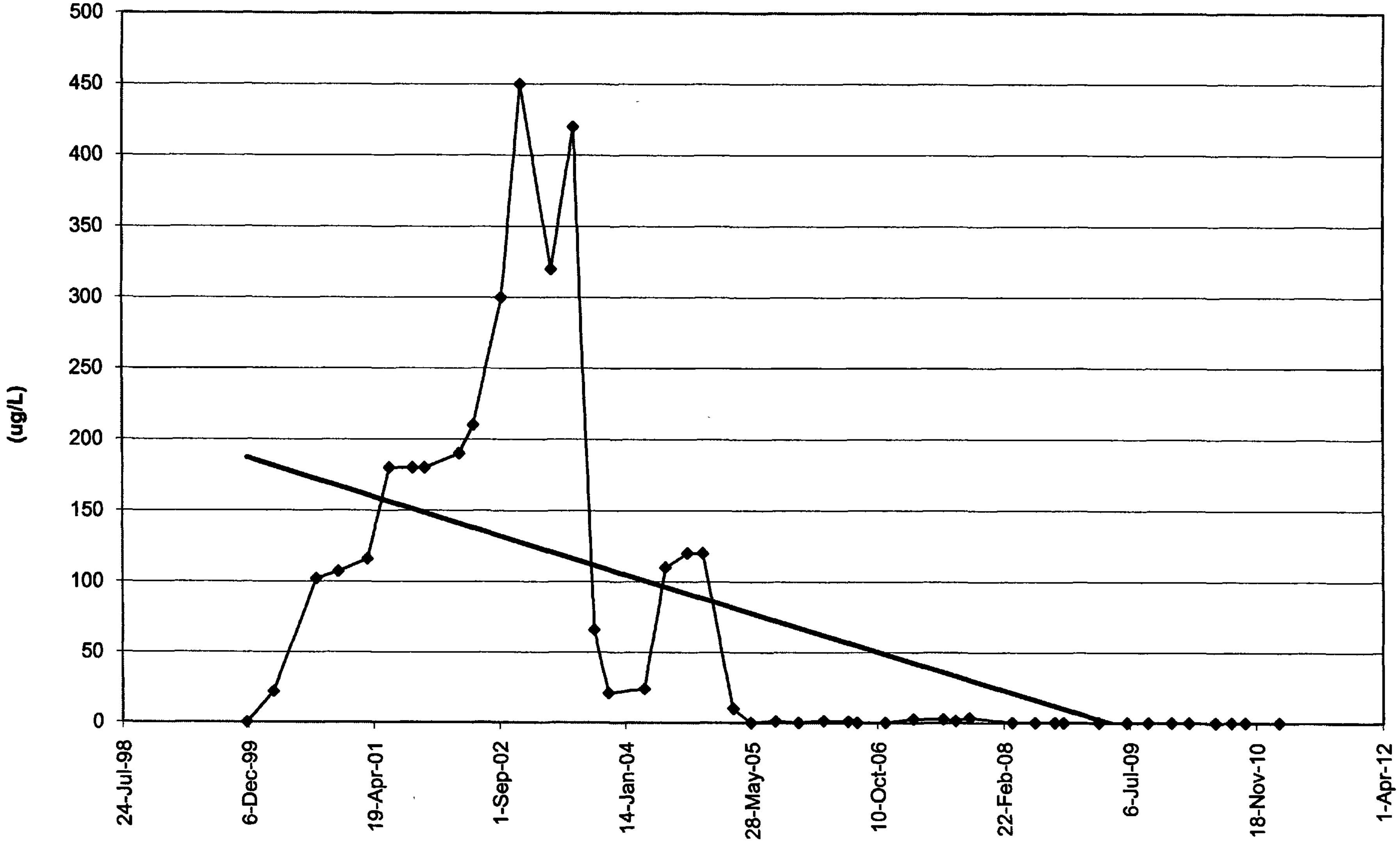
TW4-6 Chloroform Values



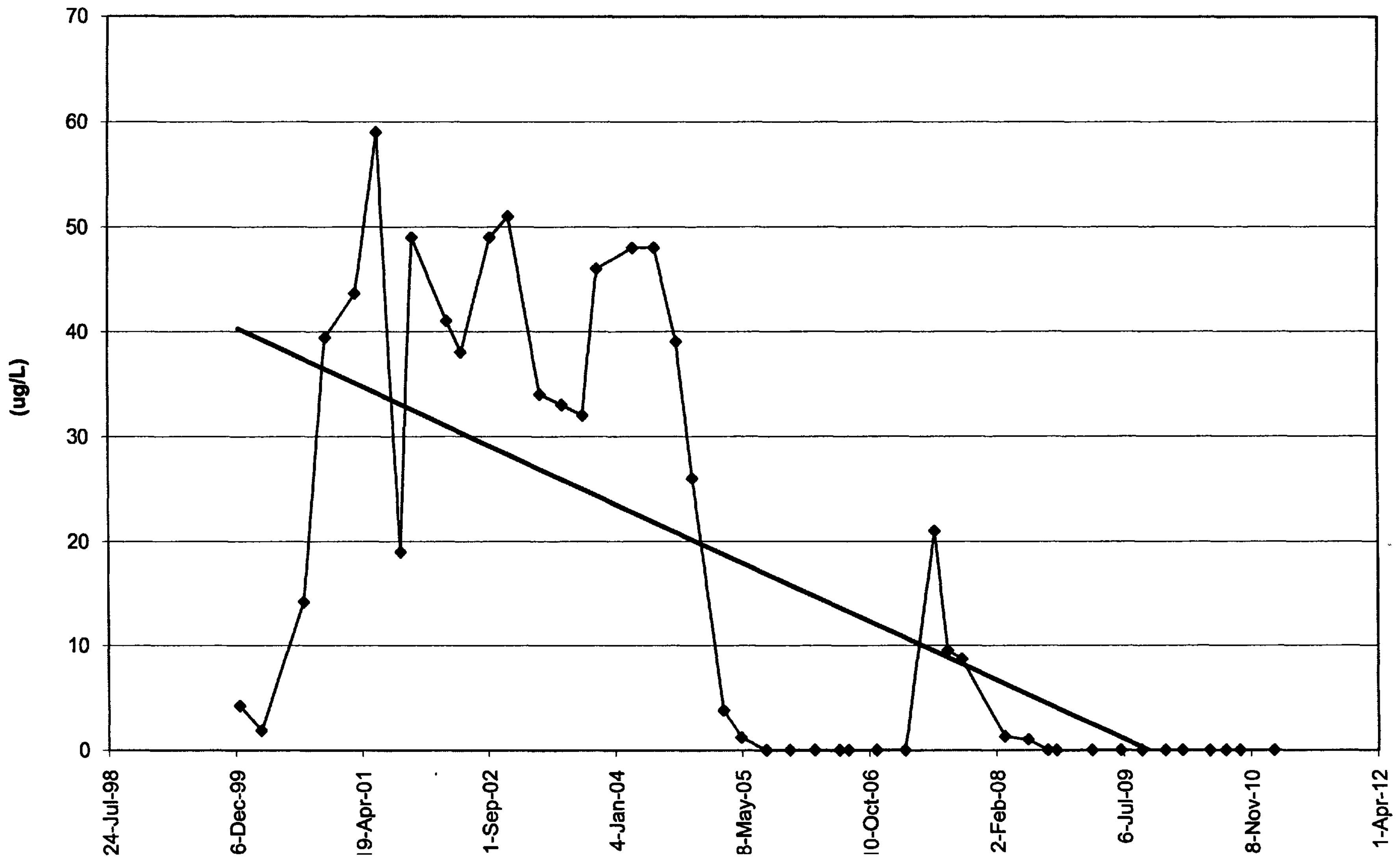
TW4-7 Chloroform Values



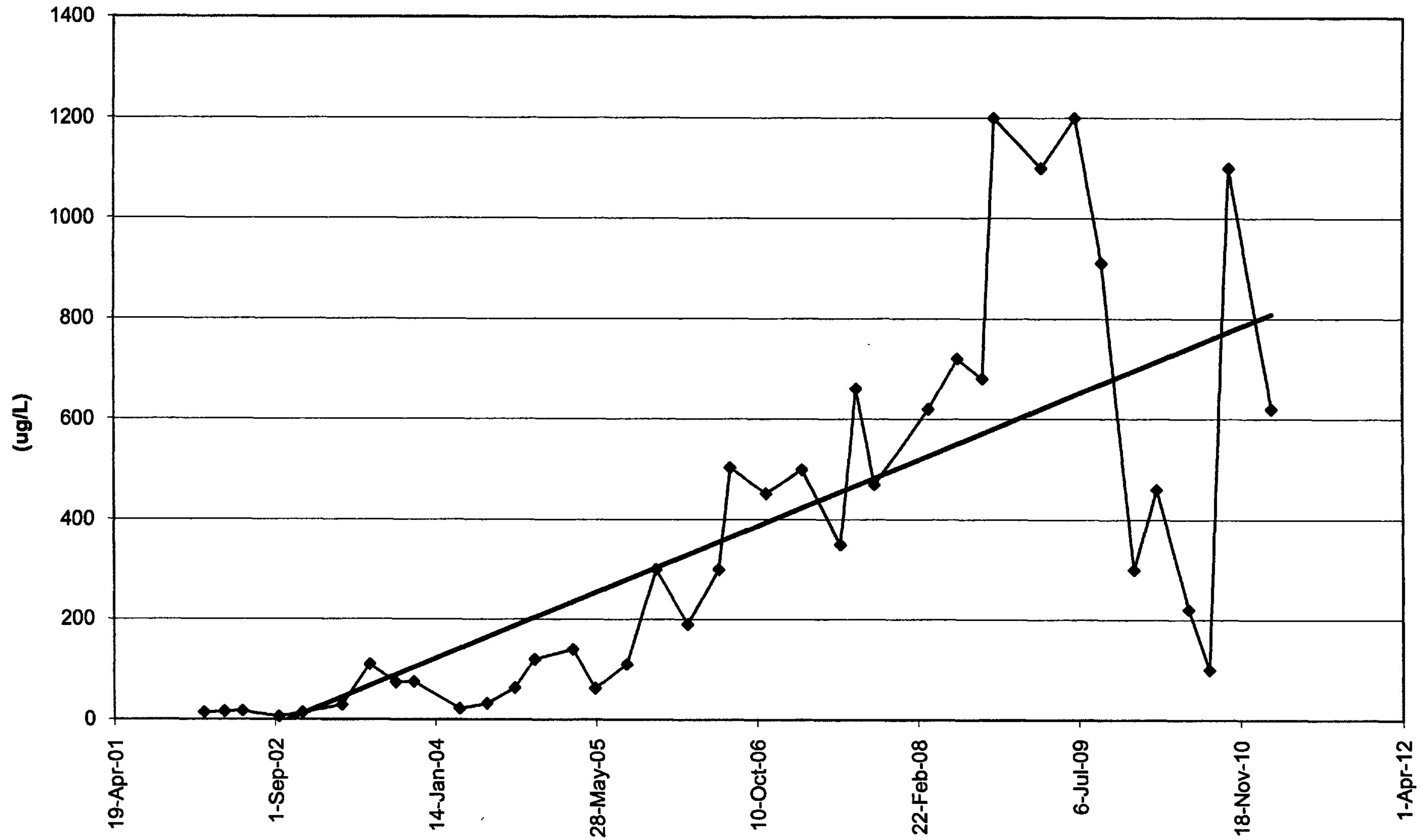
TW4-8 Chloroform Values



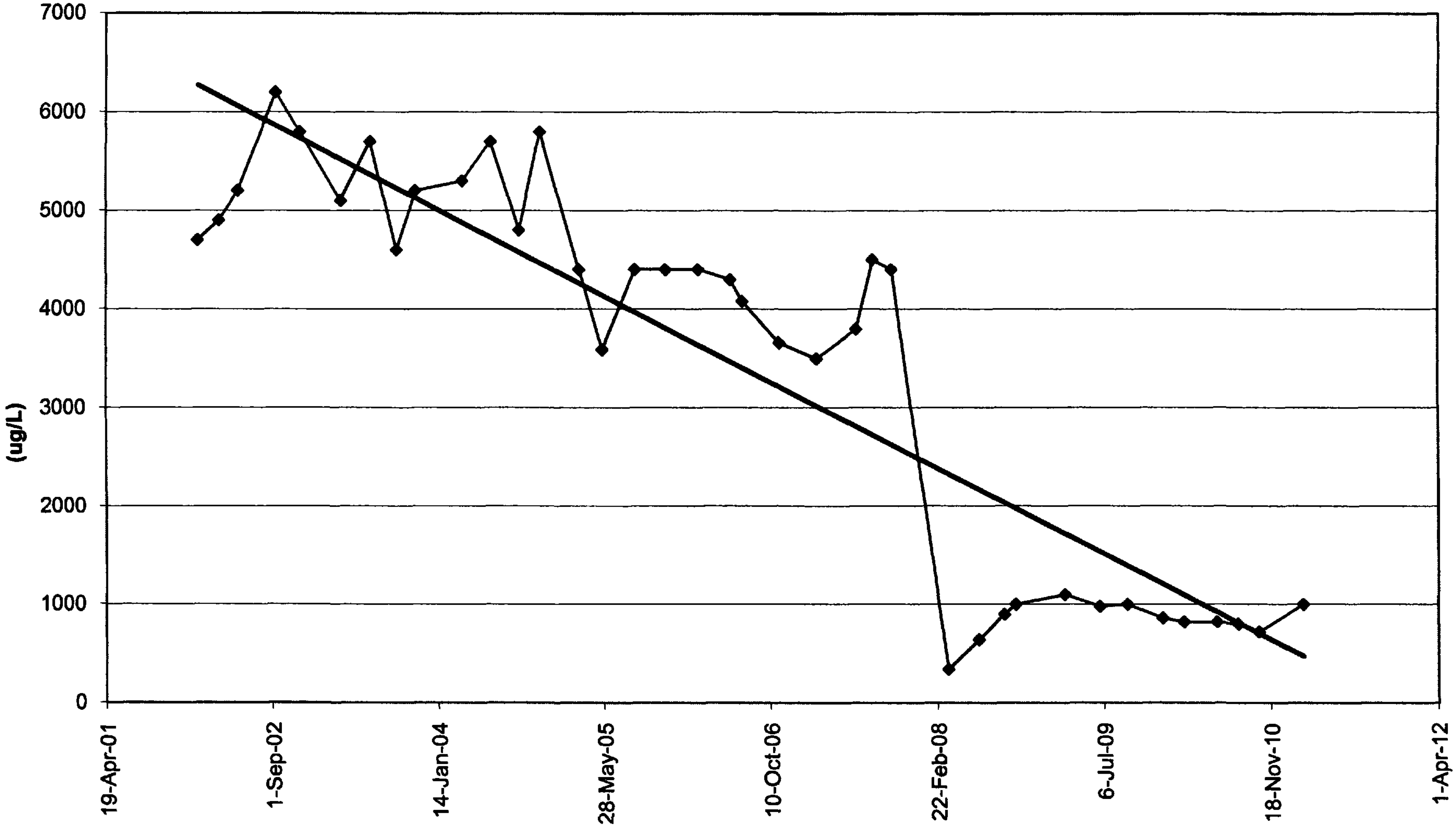
TW4-9 Chloroform Values



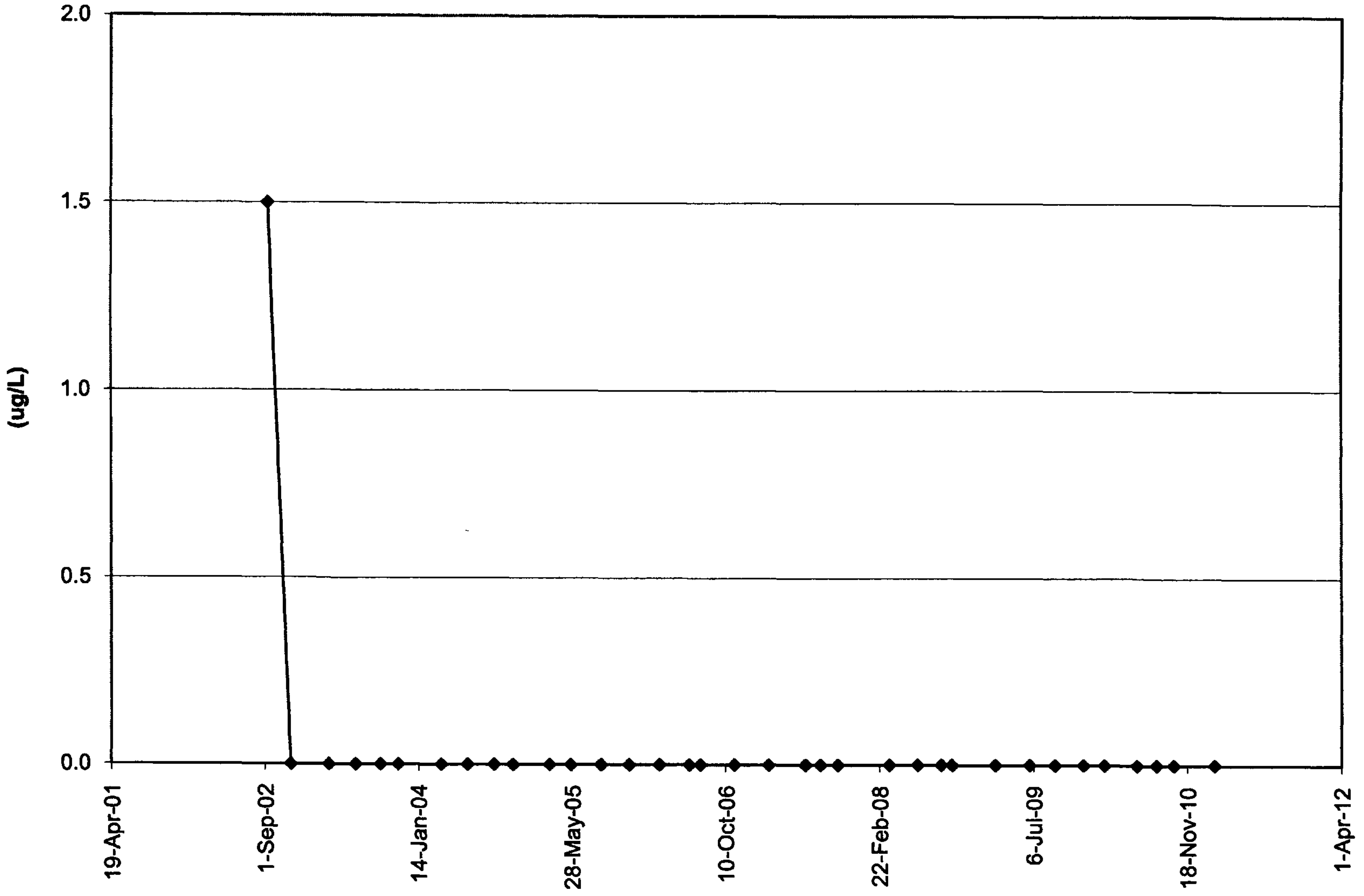
TW4-10 Chloroform Values



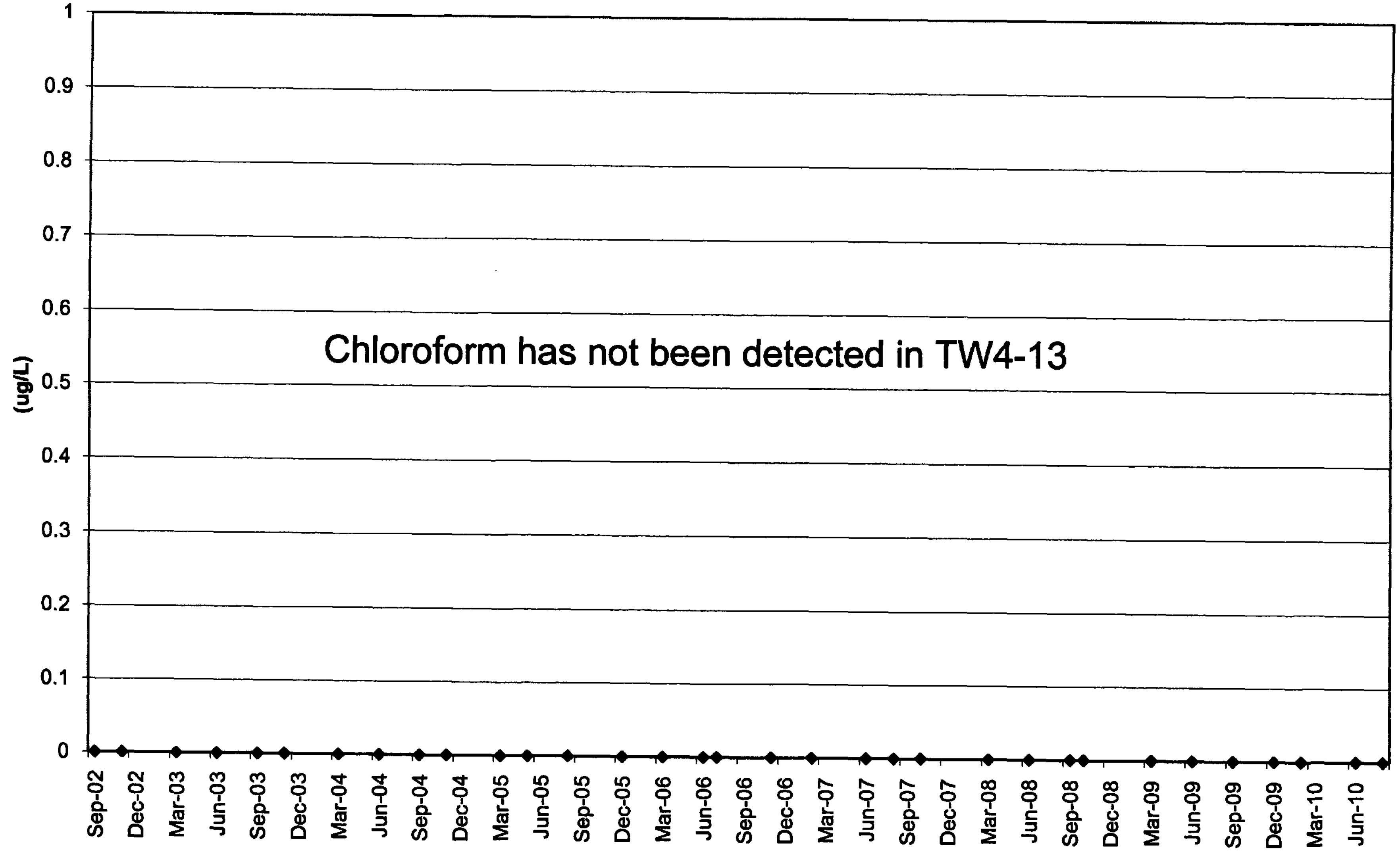
TW4-11 Chloroform Values

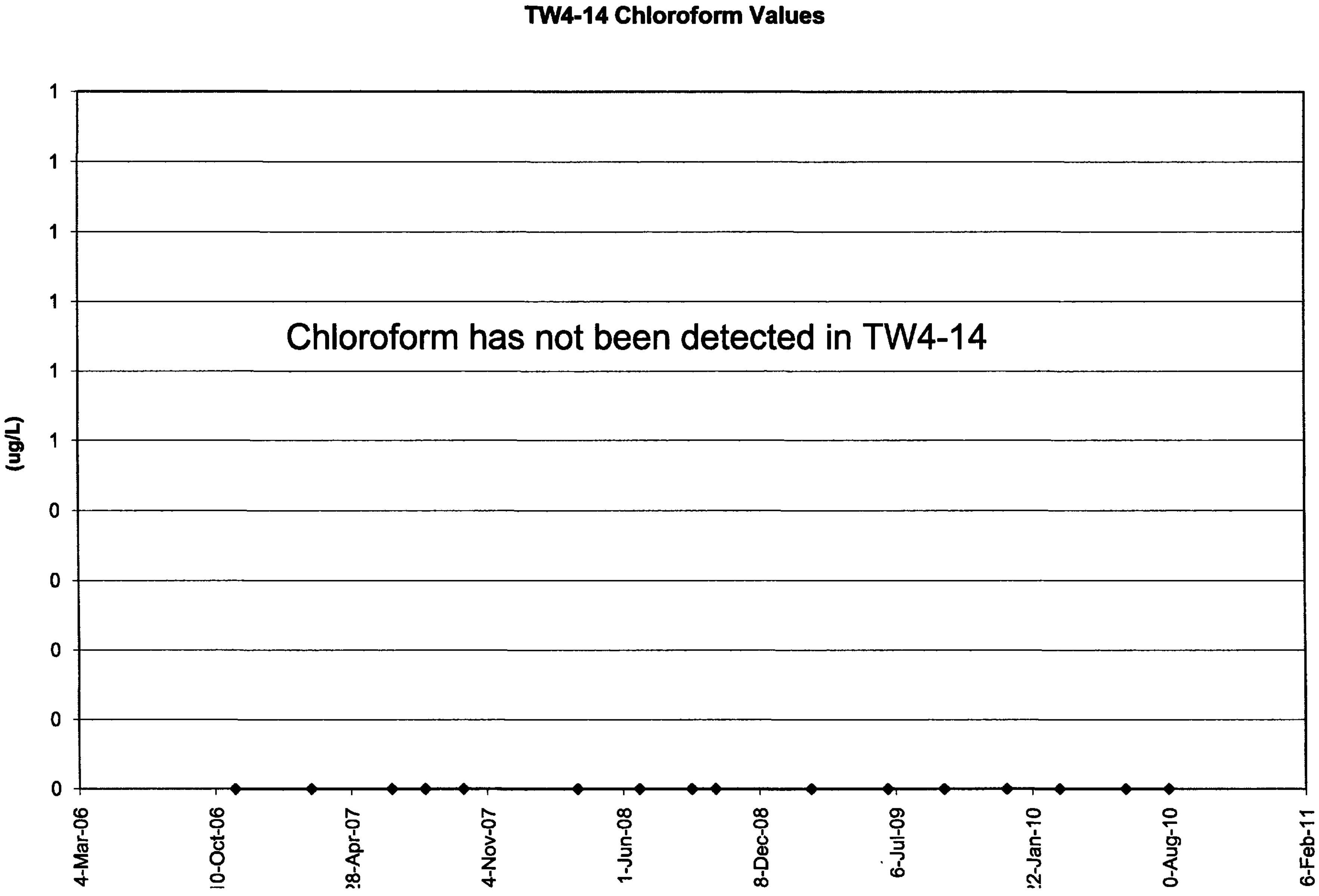


TW4-12 Chloroform Values



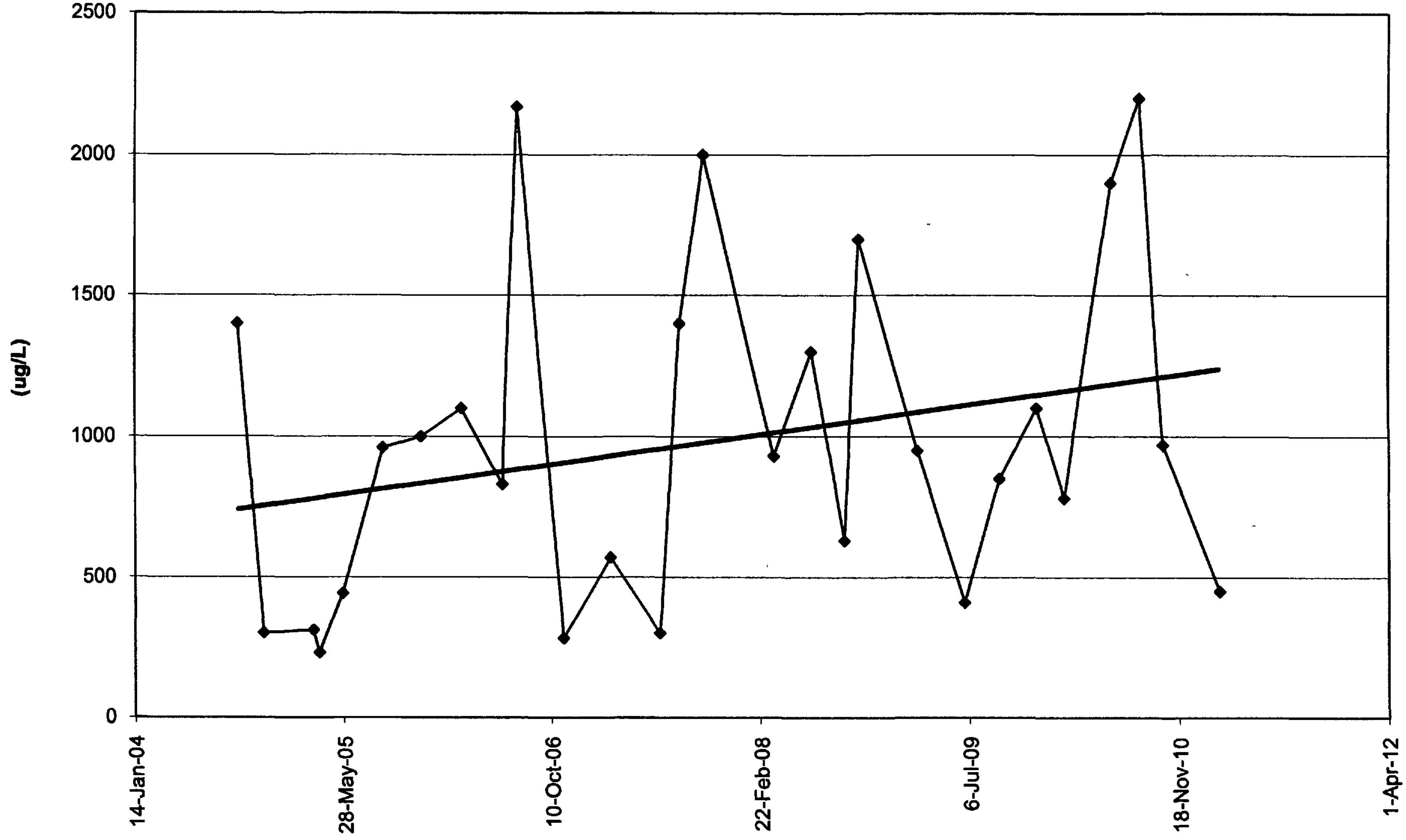
TW4-13 Chloroform Values



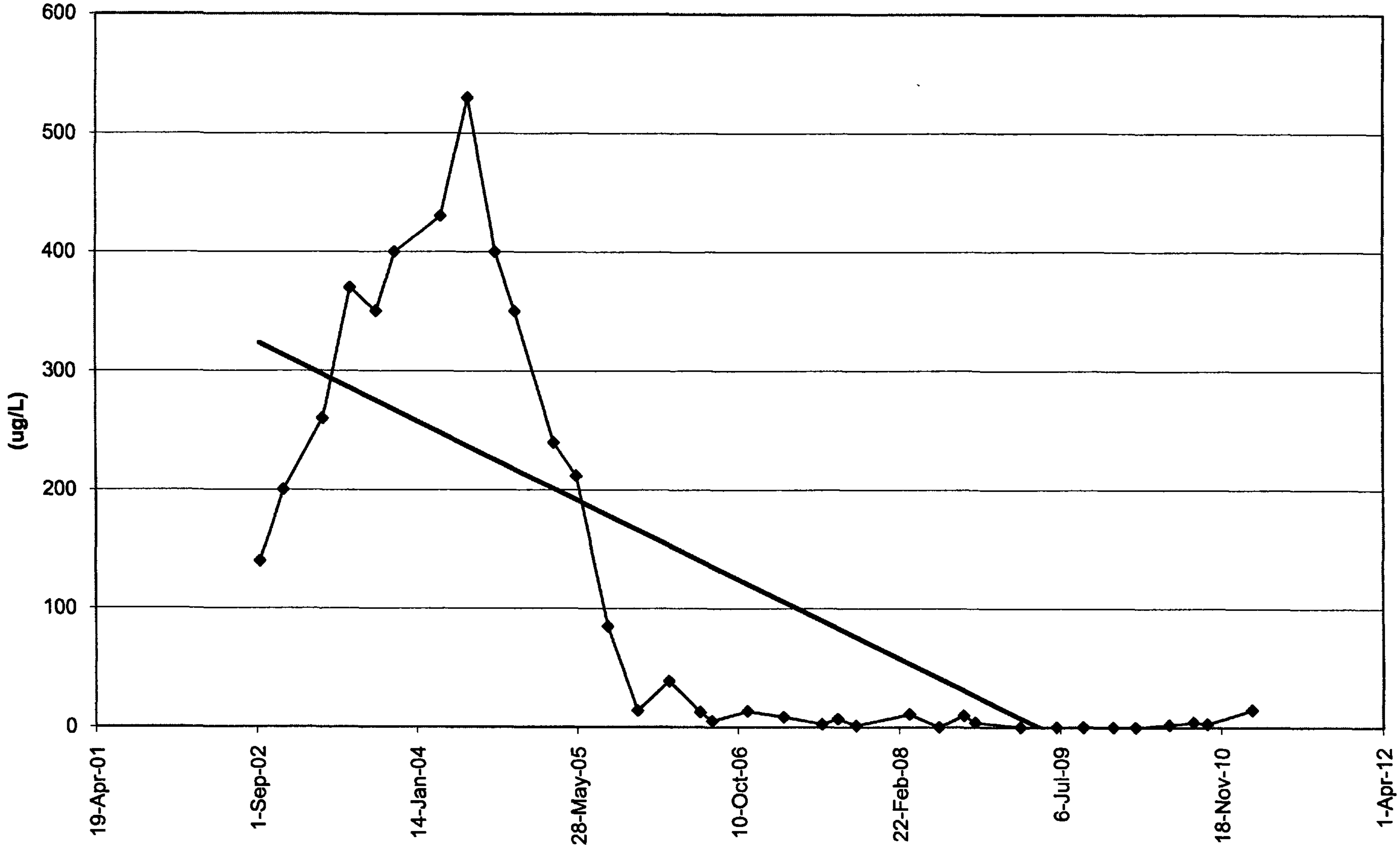


TW4-14 Chloroform Values

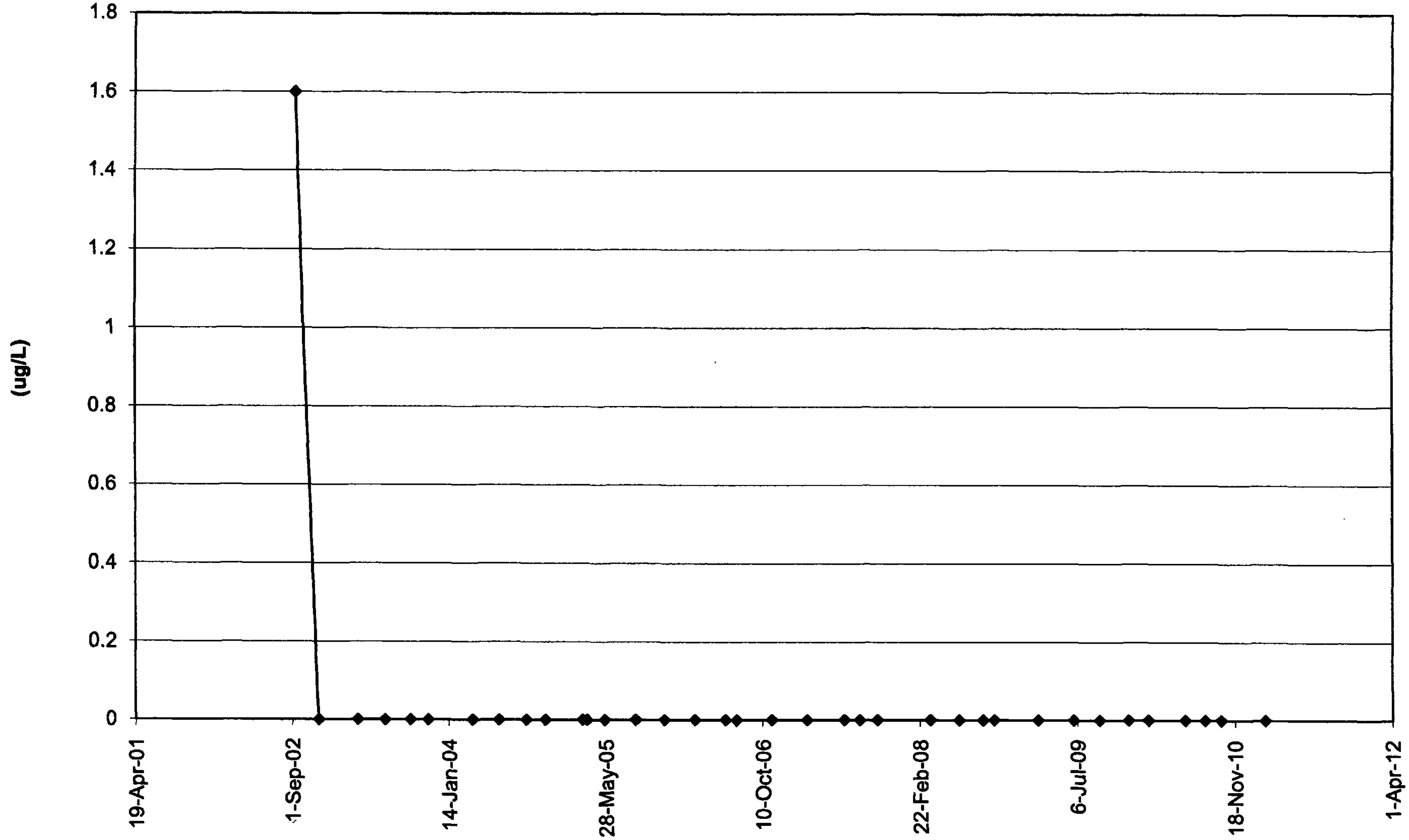
MW-26 Chloroform Values



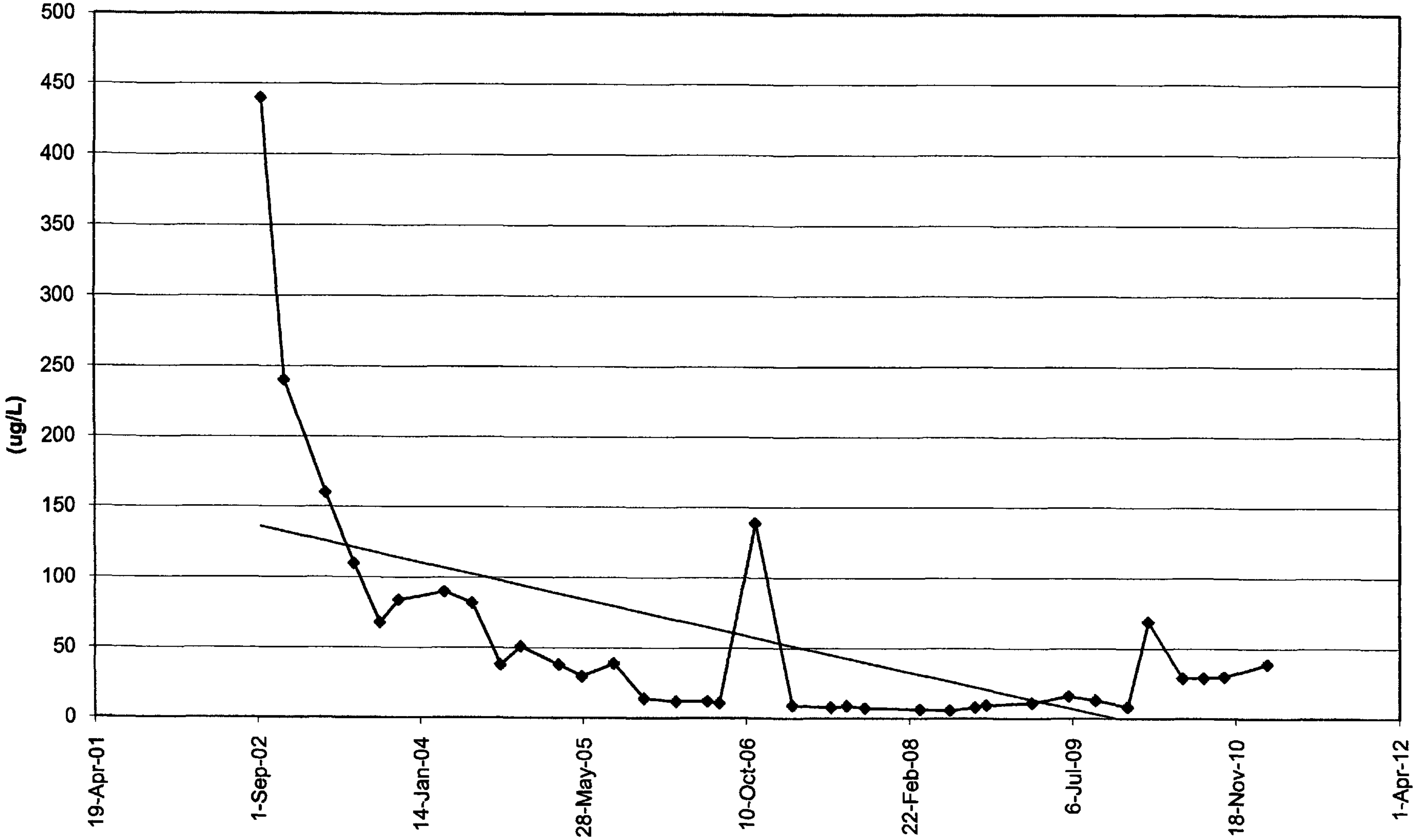
TW4-16 Chloroform Values



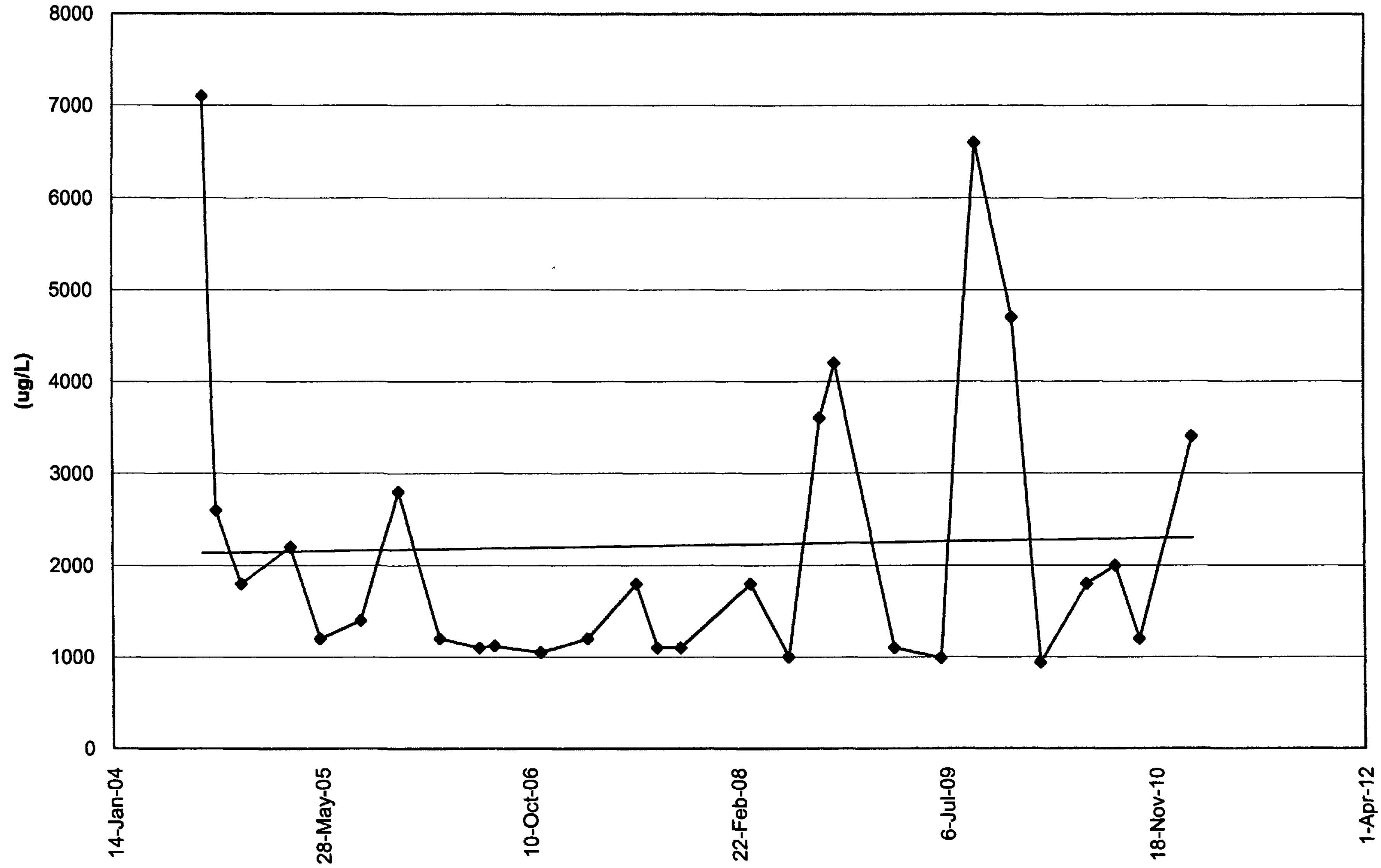
MW-32 Chloroform Values



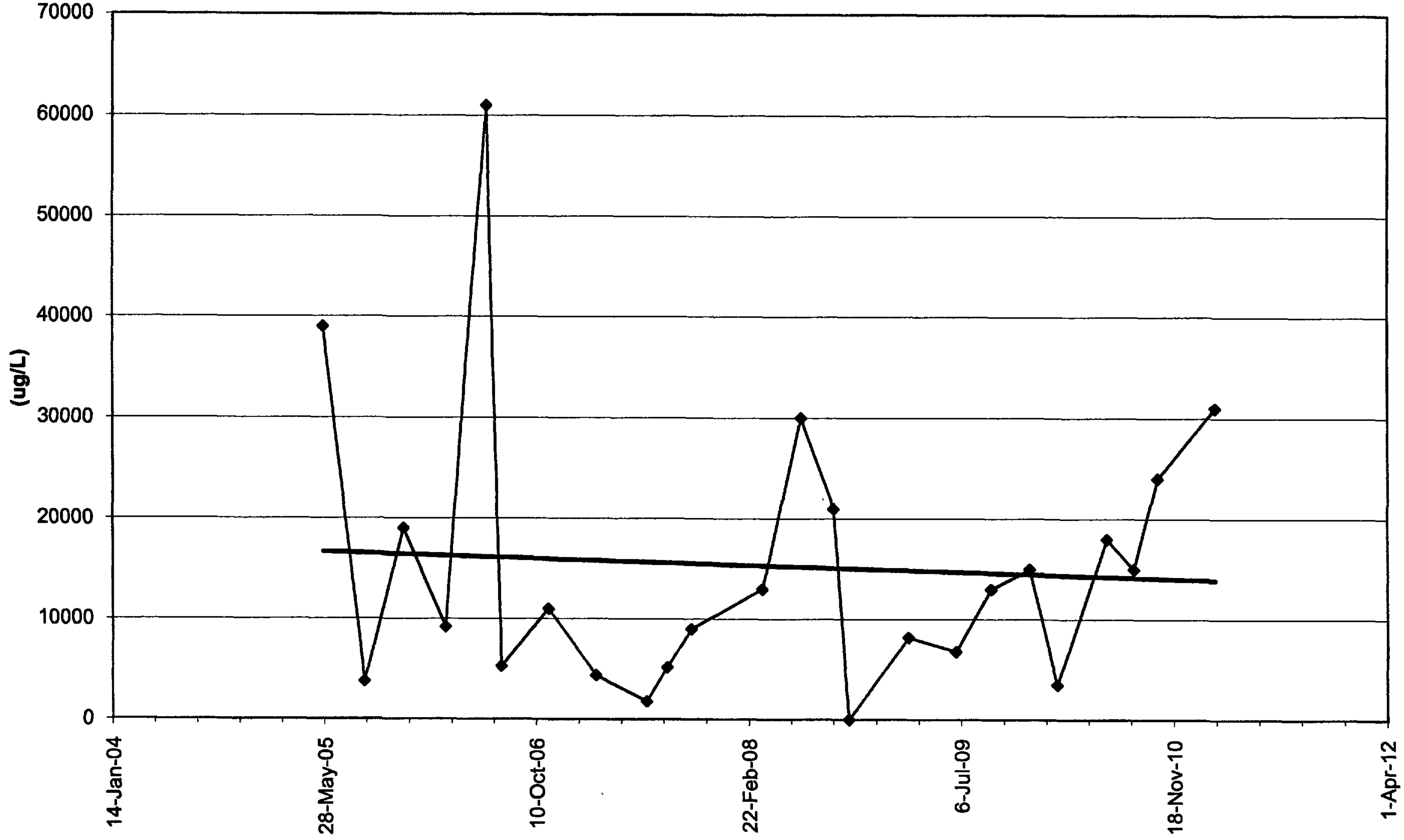
TW4-18 Chloroform Values



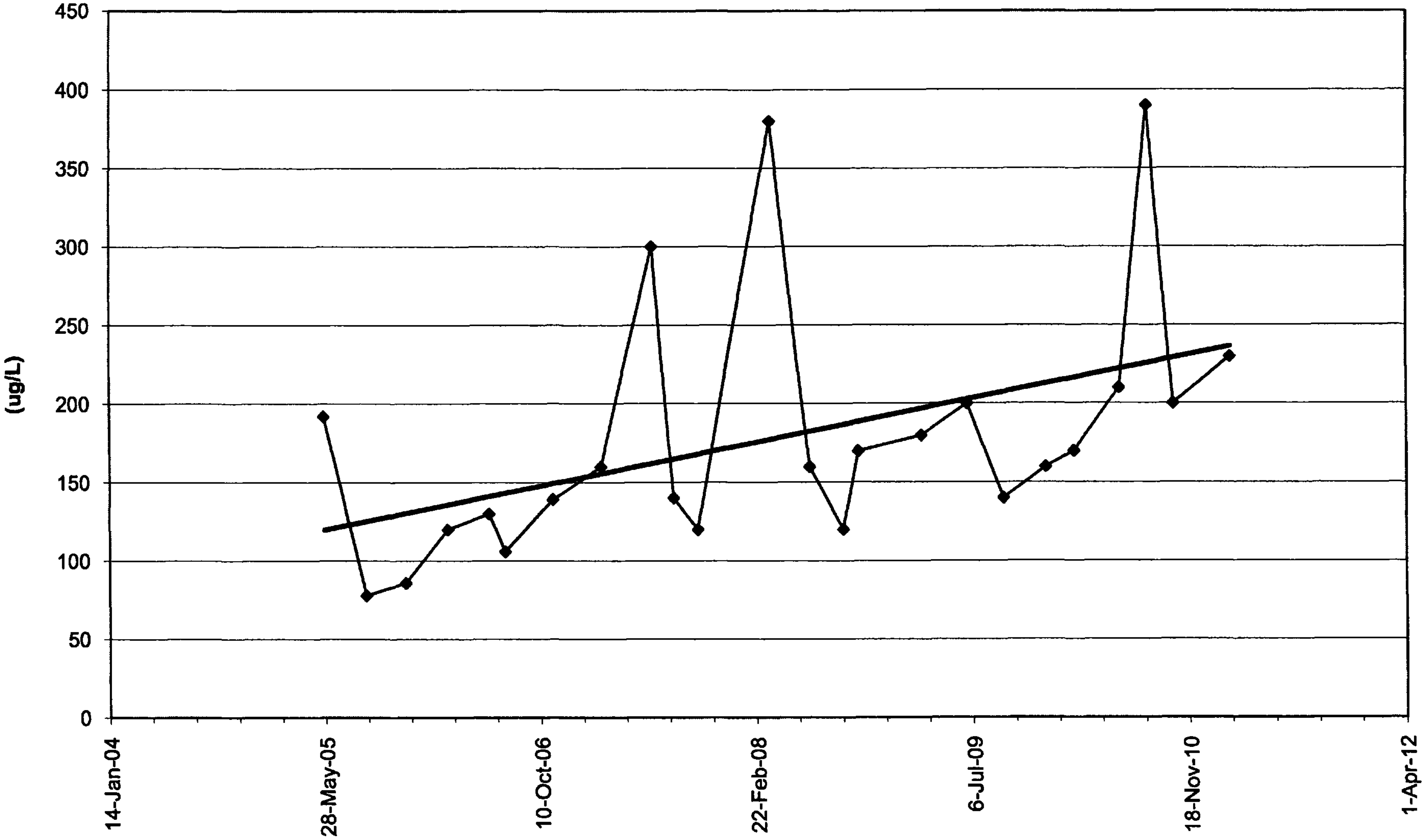
TW4-19 Chloroform Values



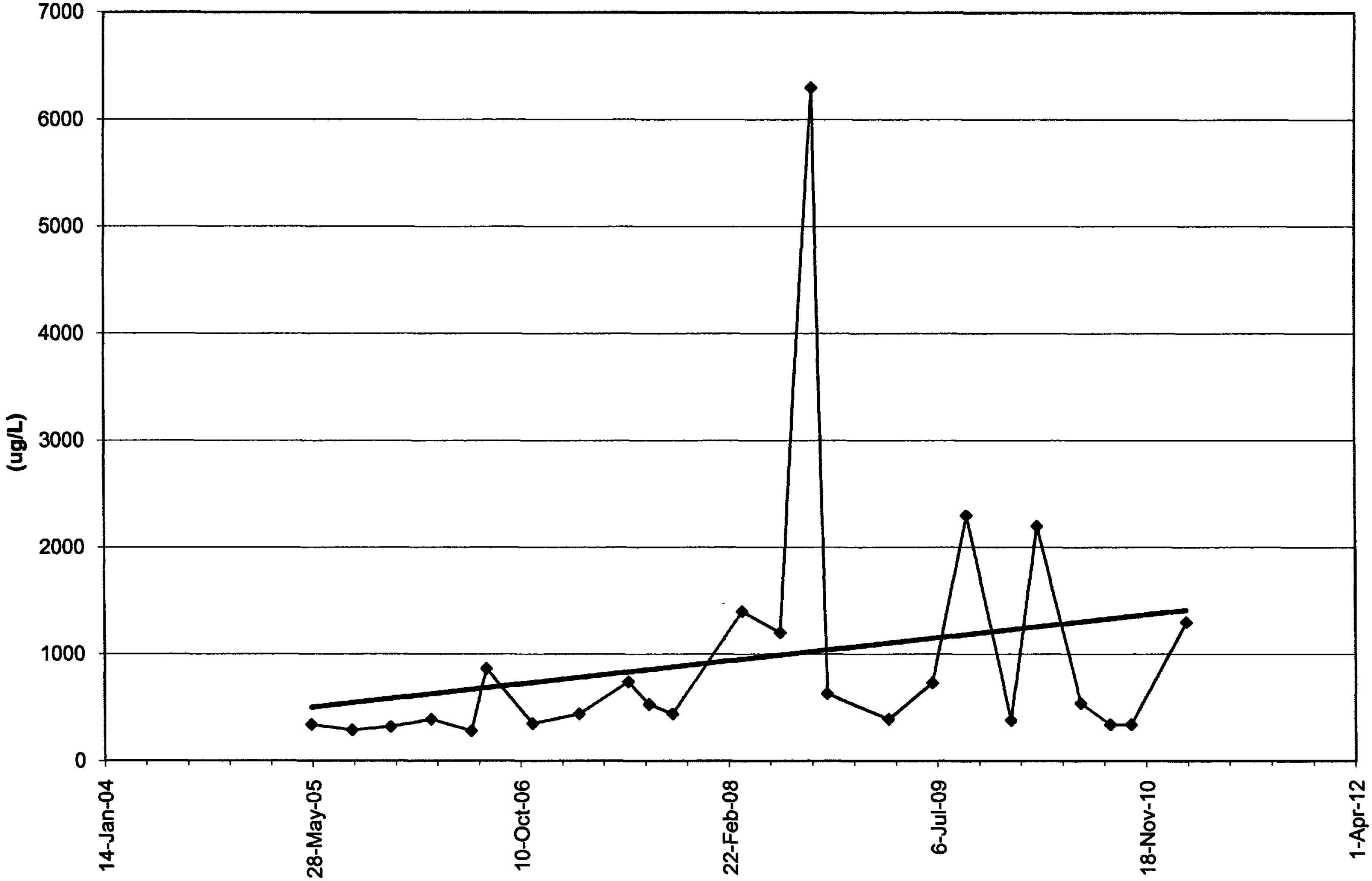
TW4-20 Chloroform Values

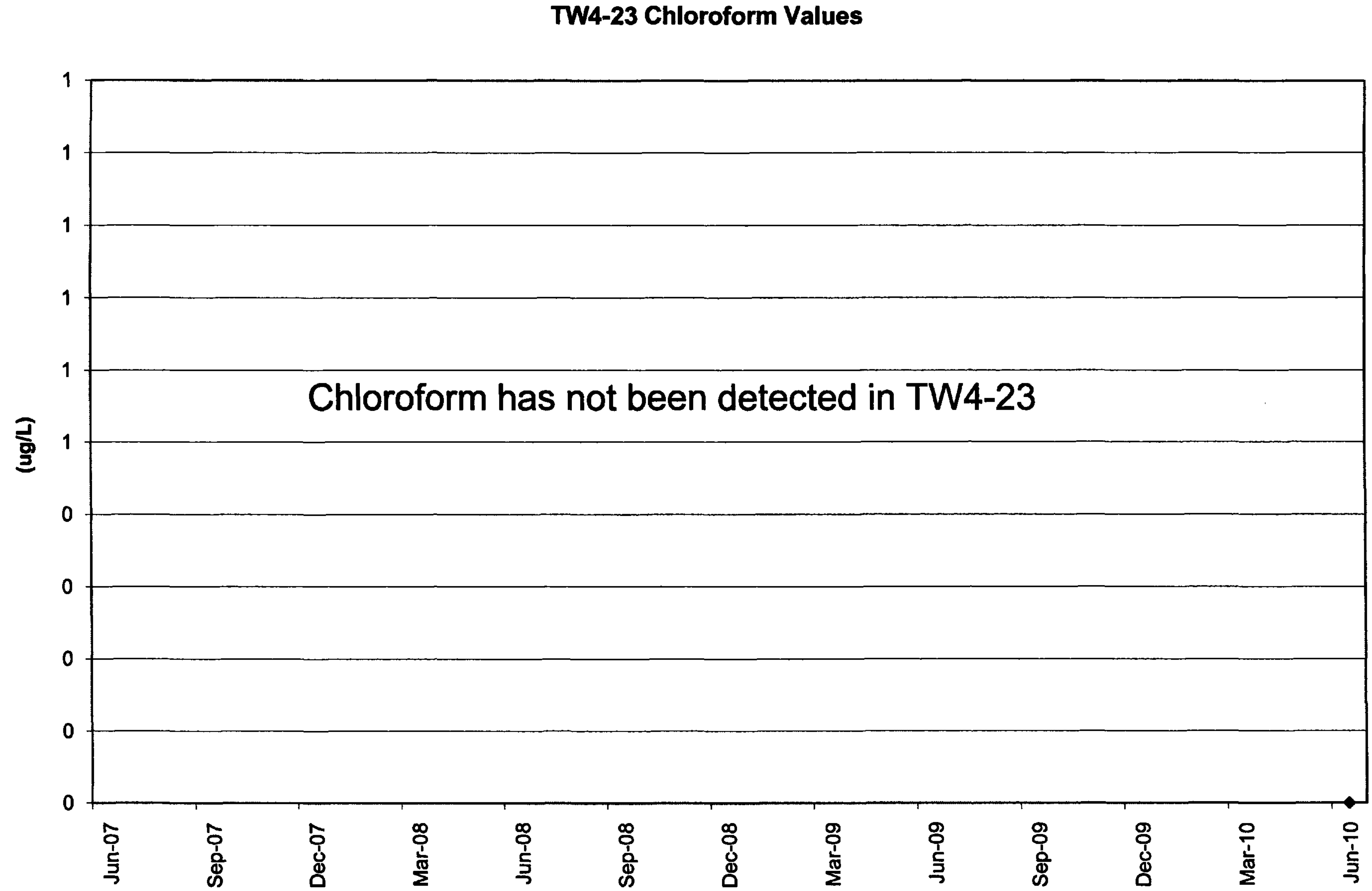


TW4-21 Chloroform Values

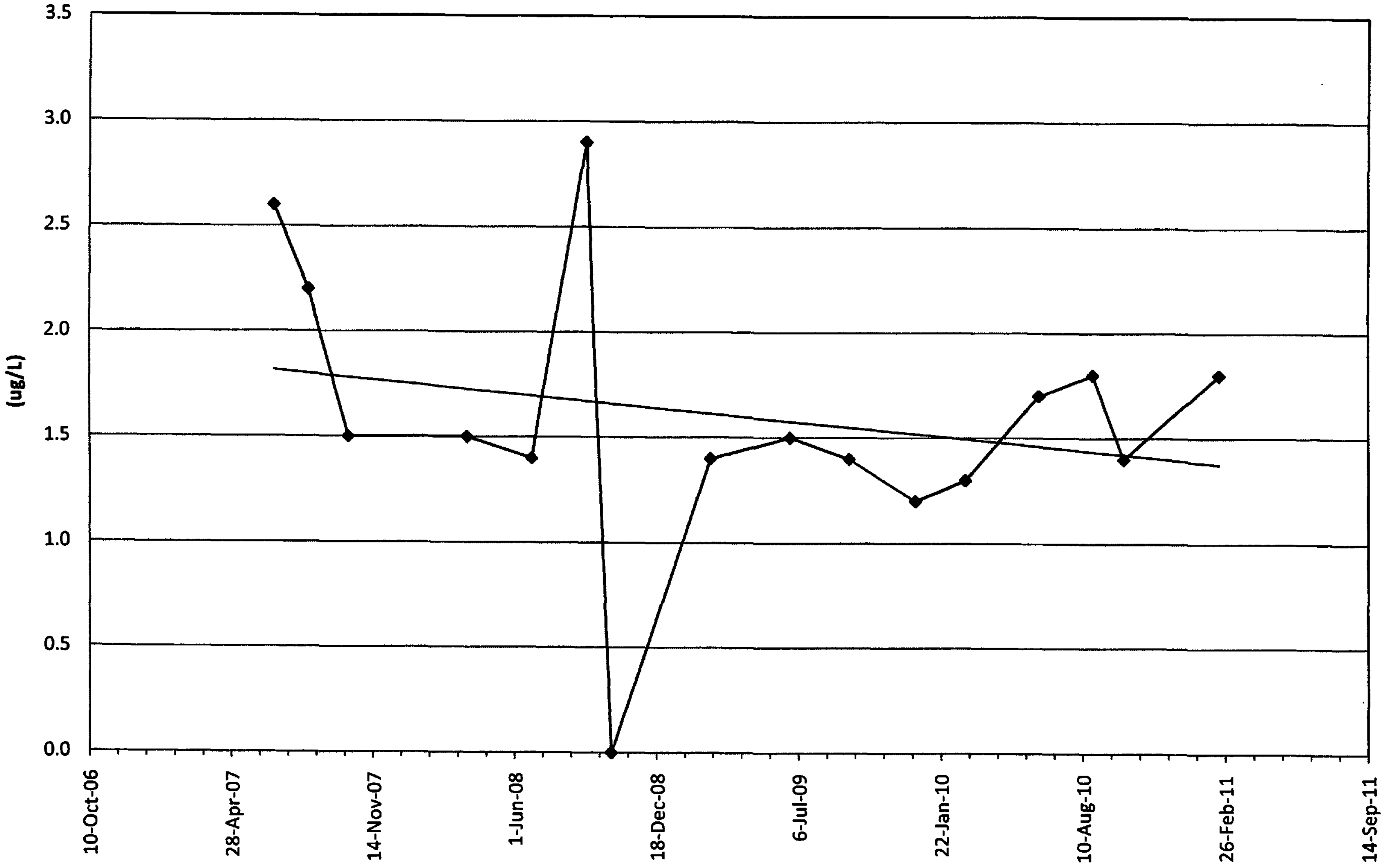


TW4-22 Chloroform Values

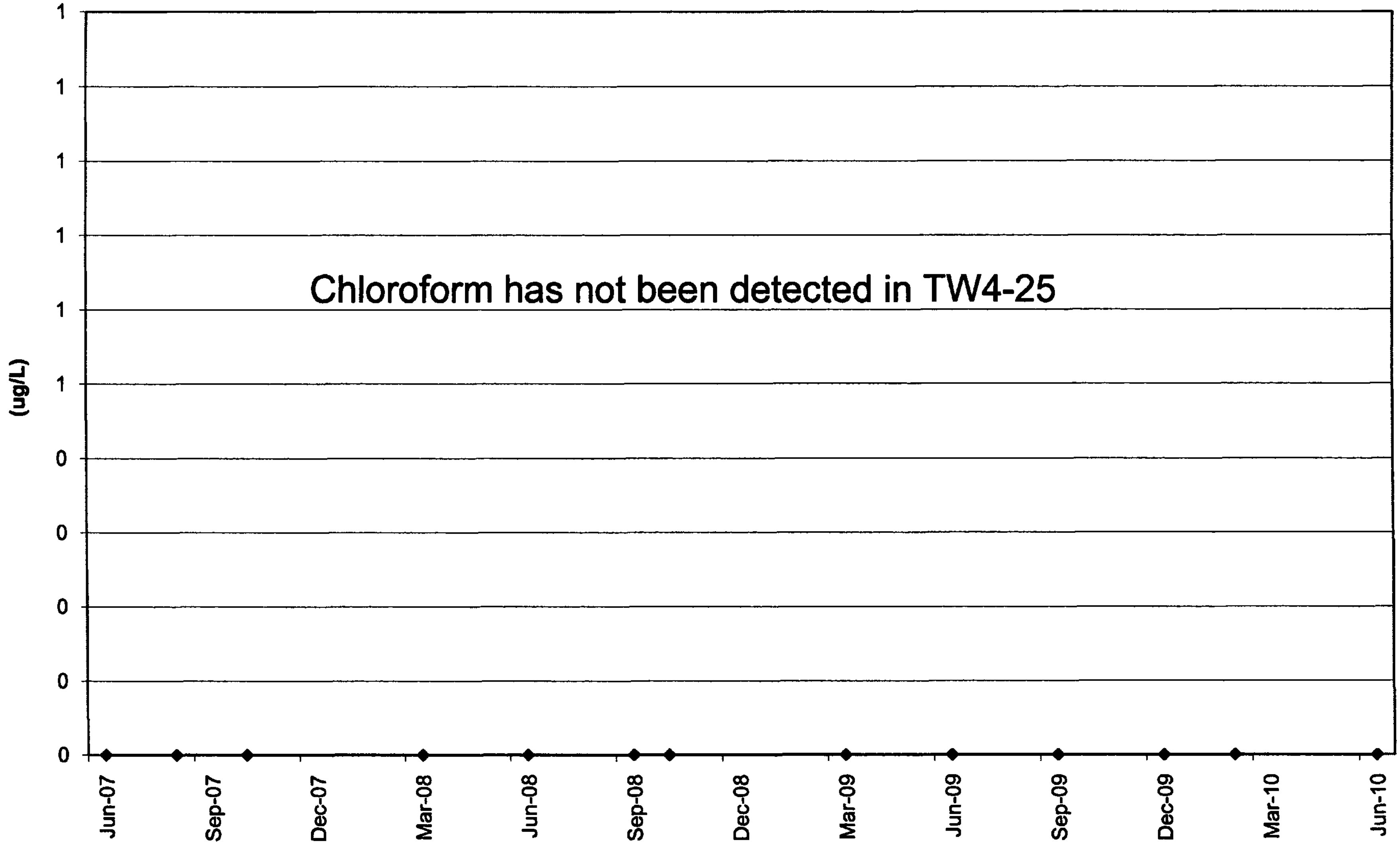


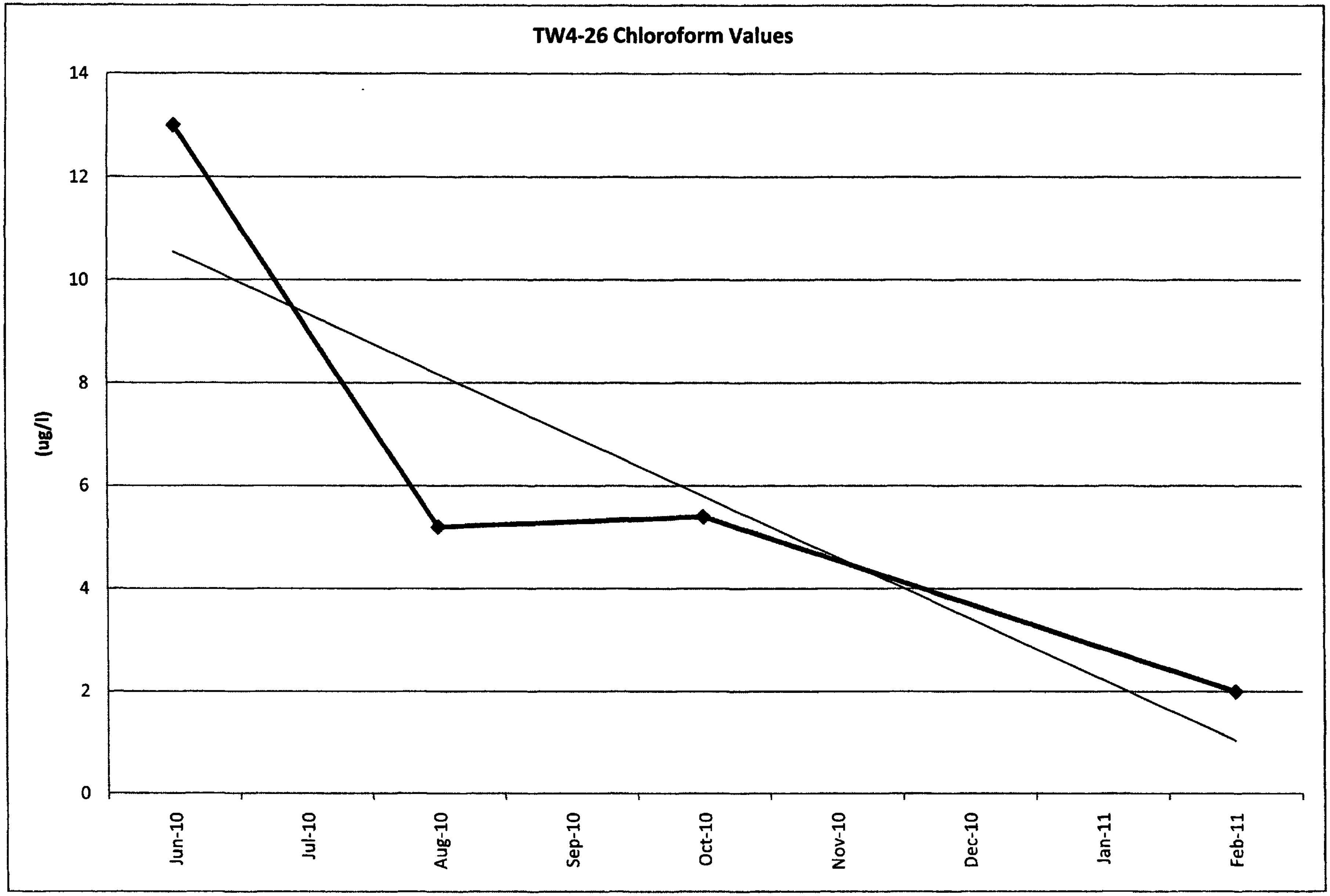

TW4-23 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-23
Jun-07
Sep-07
Dec-07
Mar-08
Jun-08
Sep-08
Dec-08
Mar-09
Jun-09
Sep-09
Dec-09
Mar-10
Jun-10

TW4-24 Chloroform Values



TW4-25 Chloroform Values


Chloroform has not been detected in TW4-25


TW4-26 Chloroform Values
(ug/l)
0
2
4
6
8
10
12
14
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11

Tab M

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Monday, May 16, 2011 3:11 PM
To: rlundberg@utah.gov
Cc: Jo Ann Tischler; David Frydenlund
Subject: Transmittal of CSV Files White Mesa Mill 2011 Q1 Chloroform Monitoring
Attachments: C11020540(1).CSV; C11020714(1).CSV

Dear Mr. Lundberg,

Attached to this e-mail is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the first quarter of 2011, 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