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February 24, 2015

**Sent VIA OVERNIGHT DELIVERY**

Mr. Scott Anderson
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144880
Salt Lake City, UT 84114-4820

**Re: Transmittal of 4th Quarter 2015 Routine Chloroform Monitoring Report**
**UDEQ Docket No. UGW-20-01 White Mesa Uranium Mill**

Dear Mr. Anderson:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 4th Quarter of 2015 as required by the Stipulation and Consent Order, UDEQ Docket No. UGW-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,

Kathy Weinel

ENERGY FUELS RESOURCES (USA) INC.
Kathy Weinel
Quality Assurance Manager

CC: David C. Frydenlund
Harold R. Roberts
David E. Turk
Dan Hillsten
Scott Bakken

# White Mesa Uranium Mill

# Chloroform Monitoring Report

**State of Utah**
**Stipulation and Consent Order Docket No. UGW-20-01**

**4th Quarter**
**(October through December)**
**2015**

Prepared by:

**Energy Fuels Resources (USA) Inc.**
225 Union Boulevard, Suite 600
Lakewood, CO 80228

**February 24, 2016**

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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"), Division of Waste Management and Radiation Control ("DWMRC") Docket No. UGW-20-01, which required that Energy Fuels Resources (USA) Inc. ("EFRI") submit a Contamination Investigation Plan and Report pursuant to the provisions of UAC R317-6-6.15(D). In response to the NOV, EFRI submitted a series of documents outlining plans for investigation of the chloroform contamination. This plan of action and preliminary schedule was set out in EFRI submittals dated: September 20, 1999; June 30, 2000; April 14, 2005; and November 29, 2006. EFRI submitted a draft Groundwater Corrective Action Plan ("GCAP") dated August 22, 2007. The draft GCAP was reviewed by the Director, who advised EFRI in 2013 that modifications were required. In an effort to expedite and formalize active and continued remediation of the chloroform plume, both parties have agreed to the GCAP found in Attachment 1, of the final Stipulation and Consent Order ("SCO") dated September 14, 2015.

This is the Quarterly Chloroform Monitoring Report for the fourth quarter of 2015 as required under the SCO. This report also includes the Operations Report for MW-04, TW4-01, TW4-04, TW4-02, TW4-11, TW4-19, TW4-20, TW4-21, MW-26, TW4-22, TW4-24, TW4-25, and TW4-37 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 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:

| | | | | |
|---|---|---|---|---|
| MW-4 | TW4-9 | TW4-18 | TW4-27 | TW4-36 |
| TW4-1 | TW4-10 | TW4-19 | TW4-28 | TW4-37 |
| TW4-2 | TW4-11 | TW4-20 | TW4-29 | |
| TW4-3 | TW4-12 | TW4-21 | TW4-30 | |
| TW4-4 | TW4-13 | TW4-22 | TW4-31 | |
| TW4-5 | TW4-14 | TW4-23 | TW4-32 | |
| TW4-6 | MW-26 (formerly TW4-15) | TW4-24 | TW4-33 | |
| TW4-7 | TW4-16 | TW4-25 | TW4-34 | |
| TW4-8 | MW-32 (formerly TW4-17) | TW4-26 | TW4-35 | |

Chloroform monitoring was performed in all of the required chloroform monitoring wells. Table 1 provides an overview of all wells sampled during the quarter, along with the date samples were collected from each well, and the date(s) when 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.

### 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 QAP Revision 7.2, dated June 6, 2012.

### 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
- The DR piezometers that were installed during the Southwest Hydrologic Investigation

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.

Weekly and monthly depth to groundwater measurements were taken in the chloroform pumping wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-37, and the nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-02. In addition, monthly water level measurements were taken in non-pumping wells MW-27, MW-30, MW-31, TW4-21, TWN-1, TWN-3, TWN-4, TWN-7, and TWN-18.

## 2.2 Sampling Methodology and Equipment and Decontamination Procedures

EFRI completed, and transmitted to DWMRC 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 DWMRC's approval of the QAP, for reasons set out in correspondence to DWMRC dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, EFRI discussed the issues brought forward in the letter with DWMRC and has received correspondence from DWMRC about those issues. In response to DWMRC's letter and subsequent discussions with DWMRC, EFRI modified the chloroform Quality Assurance ("QA") procedures within the Chloroform QAP. The Chloroform QAP describes the requirements of the chloroform investigation program and identifies where they differ from the Groundwater QAP. On June 20, 2009 the Chloroform QAP was modified to require that the quarterly chloroform reports include additional items specific to EFRI's ongoing pump testing and chloroform capture efforts. The Groundwater QAP as well as the Chloroform QAP were revised again on June 6, 2012. The revised Groundwater QAP and Chloroform QAP, Revision 7.2 were approved by DWMRC on June 7, 2012.

The sampling methodology, equipment and decontamination procedures used in the chloroform contaminant investigation, as summarized below, are consistent with the approved QAP Revision 7.2 and the Chloroform QAP.

### 2.2.1 Decontamination Procedures

Non-dedicated sampling equipment is decontaminated prior to use as described in the DWMRC-approved QAP and as summarized below.

The water level meter is decontaminated with a detergent/deionized ("DI") water mixture by pouring the solutions over the water level indicator. The water level meter is then rinsed with DI water.

The field measurement instrument probe is decontaminated by rinsing with DI water prior to each calibration. The sample collection cup is washed with a detergent/DI water solution and rinsed with fresh DI water prior to each calibration.

The non-dedicated purging pump is decontaminated after each use and prior to use at subsequent sampling locations using the following procedures:

a) the pump is submerged into a 55-gallon drum of nonphosphate detergent/DI water mixture;

b) the detergent/DI water solution is pumped through the pump and pump outlet lines into the drain line connected to Cell 1;

c) the pump is submerged into a 55-gallon drum of DI water;

d) the DI water solution is pumped through the pump and pump outlet lines into the drain line connected to Cell 1;

### 2.2.2 Well Purging and Depth to Groundwater

The non-pumping wells are purged prior to sampling by means of a portable pump. A list of the wells in order of increasing chloroform concentration is generated quarterly. The order for purging the non-pumping 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 wells with detectable chloroform concentrations staring with the lowest concentration and proceeding to the wells with the highest concentration. One deviation to this practice is made for the continuously pumping wells. These wells are sampled throughout the sampling event and are not sampled in the order of contamination. This practice does not affect the samples for this reason: the pumping wells have dedicated pumps and there will be no cross-contamination resulting from the sampling order.

Samples are collected by means of disposable bailer(s) the day following the purging. The disposable bailer is used only for the collection of a sample from an individual well and disposed subsequent to the sampling. As noted in the approved QAP, Revision 7.2, sampling will generally follow the same order as purging; however; 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 either have dedicated pumps or are sampled via a disposable bailer. This practice does not affect the quality or usability of the data as there will be no cross-contamination resulting from the sampling order.

Before leaving the Mill office, the portable pump and hose are rinsed with deionized ("DI") water. Where portable (non-dedicated) sampling equipment is used, a rinsate sample is collected at a frequency of one rinsate sample per 20 field samples. Well depth measurements are taken and the one casing volume is calculated for those wells which do not have a dedicated pump as described in Attachment 2-3 of the QAP. Purging is completed to remove stagnant water from the casing and to assure that representative samples of formation water are collected for analysis. There are three purging strategies that are used to remove stagnant water from the casing during groundwater sampling at the Mill. The three strategies are as follows:

1. Purging three well casing volumes with a single measurement of field parameters specific conductivity, turbidity, pH, redox potential, and water temperature
2. Purging two casing volumes with stable field parameters for specific conductivity, turbidity, pH, redox potential, and water temperature (within 10% Relative Percent Difference ["RPD"])
3. Purging a well to dryness and stability (within 10% RPD) of field parameters for pH, specific conductivity, and water temperature only after recovery

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, EFRI will follow the purging requirements outlined in Attachment 2-3 of the QAP. The dedicated pump is used to collect parameters and to collect the samples as described below. If the well does not have a dedicated pump, a Grundfos pump

(9 - 10 gpm pump) is then lowered to the screened interval in the well and purging is started. The purge rate is measured for the well by using a calibrated 5 gallon bucket. 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. After sampling, the pump is turned off and allowed to resume its timed schedule.

### 2.2.3 Sample Collection

Prior to sampling, 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 disposable 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 that is provided by the Analytical Laboratory. The nitrate/nitrite sample is not filtered and is preserved with $H_2SO_4$;

- A sample for chloride is then collected. This sample consists of one 500 ml. bottle that is provided by the Analytical Laboratory. The chloride sample is 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 the 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, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, and TWN-2 as well as the monthly depth to groundwater data for the chloroform contaminant investigation wells and the non-pumped wells measured during the quarter. Depth to groundwater measurements that were utilized for groundwater contours are included on the Quarterly Depth to Water Worksheet at Tab D of this report, along with the kriged groundwater contour map for the current quarter generated from this data. A copy of the kriged groundwater contour map generated from the previous quarter's data is provided under Tab E.

## 2.5 Laboratory Results

### 2.5.1 Copy of Laboratory Results

All analytical results were provided by American West Analytical Laboratory ("AWAL"). Table 1 lists the dates when analytical results were reported to the QA Manager for each sample.

Results from the analyses of samples collected for this quarter's chloroform contaminant investigation are provided under Tab H of this Report. Also included under Tab H are the results of the 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 SCO triggered a series of actions on EFRI's part. In addition to the monitoring program, EFRI has equipped one nitrate well and thirteen chloroform 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 EFRI'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 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 the 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 that 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 AWAL and returned with the quarterly chloroform monitoring samples.

Two rinsate blank samples were collected at a frequency of one rinsate per twenty samples per QAP Section 4.3.2 and as indicated on Table 1. Rinsate samples were labeled with the name of the subsequently purged well with a terminal letter "R" added (e.g. TW4-7R). The results of these analyses are included with the routine analyses under Tab H.

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

## 3.2 Adherence to Mill Sampling SOPs

The QA Manager's review of Mill Personnel's adherence to the existing SOPs, confirmed that the QA/QC requirements established in the QAP and Chloroform QAP were met.

## 3.3 Analyte Completeness Review

All analyses required by the GCAP 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 the 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 measurement of field parameters based on the requirements discussed in section 2.2.1 above. The purging technique employed determines the requirements for field parameter measurement and whether stability criteria are applied. Review of the Depth to Water data confirms that all depth measurements used for development of the 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 the review of the field data sheets, the purging and field measurements were completed in conformance with the QAP requirements. A summary of the purging techniques employed and field measurements taken is described below:

Purging Two Casing Volumes with Stable Field Parameters (within 10% RPD)
Wells TW4-5, TW4-8, TW4-9, TW4-16, MW-32, TW4-18, TW4-23, and TW4-32 were sampled after two casing volumes were removed. Field parameters (pH, specific conductivity, turbidity, water temperature, and redox potential) were measured during purging. All field parameters for this requirement were stable within 10% RPD.

Purging a Well to Dryness and Stability of a Limited List of Field Parameters
Wells TW4-3, TW4-6, TW4-7, TW4-10, TW4-12, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, and TW4-36 were pumped to dryness before two casing volumes were evacuated. After well recovery, one set of measurements were taken. The samples were then collected, and another set of measurements were taken. Stabilization of pH, conductivity and temperature are required within 10% RPD under the QAP, Revision 7.2. The QAP requirements for stabilization were met.

Continuously Pumped Wells
Wells MW-4, TW4-1, TW4-2, TW4-4, TW4-11, MW-26, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, and TW4-37 are continuously pumped wells. These wells are pumped on a set schedule per the remediation plan and are considered sufficiently evacuated to immediately collect a sample.

During review of the field data sheets, the QA Manager confirmed that sampling personnel consistently recorded depth to water to the nearest 0.01 foot.

The review of the field sheets for compliance with QAP, Revision 7.2 requirements resulted in the observations noted below. The QAP requirements in Attachment 2-3 specifically state that field parameters must be stabilized to within 10% over at least 2 consecutive measurements for wells purged to 2 casing volumes or purged to dryness. The QAP Attachment 2-3 states that turbidity should be less than 5 NTU prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP Attachment 2-3 does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations below regarding turbidity measurements greater than 5 NTU are included for information purposes only.

Wells TW4-5, TW4-9, MW-26, TW4-16, MW-32, TW4-18, TW4-23, and TW4-32 exceeded the QAP's 5 NTU goal. EFRI's letter to DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DWMRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI completed a monitoring well redevelopment program. The redevelopment report was submitted to DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC letter dated November 15, 2012, the field data generated this quarter are compliant with the turbidity requirements of the approved QAP.

### 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. The samples were received and analyzed within the required holding times.

### 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. The samples were received within the required temperature limit.

### 3.4.4 Analytical Method Checklist

The 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. The analytical methods were consistent with the requirements of the Chloroform QAP.

### 3.4.5 Reporting Limit Evaluation

The 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. The analytes were measured and reported to the required reporting limits; several sets of sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution. In these cases, the reported value for the analyte was higher than the increased detection limit.

### 3.4.6 Receipt pH Evaluation

Appendix A of the QAP states that volatile samples are required to be preserved and arrive at the laboratory with a pH less than 2. A review of the laboratory data revealed that the volatile samples were received at the laboratory with a pH less than 2.

### 3.4.7 Trip Blank Evaluation

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

### 3.4.8 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 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 the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data are 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.

Duplicate results were within a 20% RPD in the quarterly samples. Duplicate results are provided under Tab I.

### 3.4.9 Rinsate Sample Check

Rinsate blank sample checks are provided in Tab I. The rinsate blank sample concentration levels were compared to the QAP requirements i.e., that rinsate sample concentrations be one order of magnitude lower than that of the actual well. The rinsate blank sample results were nondetect for this quarter.

While not required by the Chloroform QAP, DIFB samples are collected to analyze the quality of the DI water system at the Mill, which is also used to collect rinsate samples. A review of the analytical results reported for the DIFB sample indicated the sample results were nondetect.

### 3.4.10 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, EFRI'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.

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

The QAP Section 8.1.2 requires that a Matrix Spike/Matrix Spike Duplicate ("MS/MSD") 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 EFRI 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 the samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab I. The data recoveries which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries outside of the acceptance limits are indicative of matrix interference. Matrix interferences are applicable to the individual sample results only. The requirement in the QAP 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 the quarterly chloroform samples were within acceptable laboratory limits for the surrogate compounds. The requirement in the QAP to analyze surrogate compounds was met and the data are compliant with the QAP. Furthermore, there are no QAP requirements for surrogate recoveries.

The information from the Laboratory QA/QC Summary Reports indicates that the Laboratory Control Samples (the "LCS") recoveries were within acceptable laboratory limits for the 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

The water level contour maps (See Tab D) indicate that perched water flow ranges from generally southwesterly beneath the Mill site and tailings cells to generally southerly along the

eastern and western margins of White Mesa. Perched water mounding associated with the wildlife ponds locally changes the generally southerly perched water flow patterns. For example, northeast of the Mill site, mounding associated with wildlife ponds results in locally northerly flow near PIEZ-1. The impact of the mounding associated with the northern ponds, to which water has not been delivered since March 2012, is diminishing and is expected to continue to diminish as the mound decays due to reduced recharge.

Not only has recharge from the wildlife ponds impacted perched water elevations and flow directions at the site, but the cessation of water delivery to the northern ponds, which are generally upgradient of the nitrate and chloroform plumes at the site, has resulted in changing conditions that are expected to impact constituent concentrations and migration rates within the plumes. Specifically, past recharge from the ponds has helped limit many constituent concentrations within the plumes by dilution while the associated groundwater mounding has increased hydraulic gradients and contributed to plume migration. Since use of the northern wildlife ponds ceased in March 2012, the reduction in recharge and decay of the associated groundwater mound are expected to increase many constituent concentrations within the plumes while reducing hydraulic gradients and acting to reduce rates of plume migration. EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds during discussions with DWMRC in March 2012 and May 2013.

The impacts associated with cessation of water delivery to the northern ponds are expected to propagate downgradient (south and southwest) over time. Wells close to the ponds are generally expected to be impacted sooner than wells farther downgradient of the ponds. Therefore, constituent concentrations are generally expected to increase in downgradient wells close to the ponds before increases are detected in wells farther downgradient of the ponds. Although such increases are anticipated to result from reduced dilution, the magnitude and timing of the increases are difficult to predict due to the complex permeability distribution at the site and factors such as pumping and the rate of decay of the groundwater mound. The potential exists for some wells completed in higher permeability materials to be impacted sooner than some wells completed in lower permeability materials even though the wells completed in lower permeability materials may be closer to the ponds.

Localized increases in concentrations of constituents such as chloroform and nitrate within and near the chloroform plume, and of nitrate and chloride within and near the nitrate plume, may occur even when these plumes are under control. Ongoing mechanisms that can be expected to increase constituent concentrations locally as a result of reduced wildlife pond recharge include but are not limited to:

1) Reduced dilution - the mixing of low constituent concentration pond recharge into existing perched groundwater will be reduced over time.
2) Reduced saturated thicknesses – dewatering of higher permeability layers receiving primarily low constituent concentration pond water will result in wells intercepting these layers receiving a smaller proportion of the low constituent concentration water.

The combined impact of the above two mechanisms may be especially evident at chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20; nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2; and non-pumped wells adjacent to the pumped wells. Impacts are also expected to occur over time at wells added to the chloroform pumping network during the first quarter of 2015 (TW4-1, TW4-2, TW4-11), and to those added during the second quarter of 2015 (TW4-21 and TW4-37). The overall impact is expected to be generally higher constituent concentrations in these wells over time until mass reduction resulting from pumping and natural attenuation eventually reduces concentrations. Short-term changes in concentrations at pumping wells and wells adjacent to pumping wells are also expected to result from changes in pumping conditions.

In addition to changes in the flow regime caused by wildlife pond recharge, perched flow directions are locally influenced by operation of the chloroform and nitrate pumping wells. Well defined cones of depression are evident in the vicinity of all chloroform pumping wells except TW4-4, which began pumping in the first quarter of 2010, and TW4-37, which began pumping during the second quarter of 2015. Although operation of chloroform pumping well TW4-4 has depressed the water table in the vicinity of TW4-4, a well-defined cone of depression is not clearly evident. The lack of a well-defined cone of depression near TW4-4 likely results from 1) variable permeability conditions in the vicinity of TW4-4, and 2) persistent relatively low water levels at adjacent well TW4-14. The lack of a well-defined cone of depression near TW4-37 likely results from recent start-up and close proximity to other pumping wells.

Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 started pumping during the first quarter of 2013. Water level patterns near these wells are expected to be influenced by the presence of, and the decay of, the groundwater mound associated with the northern wildlife ponds, and by the persistently low water level elevation at TWN-7. By the fourth quarter of 2013, operation of the nitrate pumping system had produced well-defined impacts on water levels. The long-term interaction between the nitrate and chloroform pumping systems is evolving, and changes will be reflected in data collected as part of routine monitoring.

As discussed above, variable permeability conditions likely contribute to the lack of a well-defined cone of depression near chloroform pumping well TW4-4. Changes in water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping are expected to be muted because TW4-4 is located at a transition from relatively high to relatively low permeability conditions south (downgradient) of TW4-4. The permeability of the perched zone at TW4-6, TW4-26, TW4-29, and TW4-33 is approximately two orders of magnitude lower than at TW4-4. Any drawdown of water levels at wells immediately south of TW4-4 resulting from TW4-4 pumping is also difficult to determine because of the general, long-term increase in water levels that occurred in this area due to recharge from the wildlife ponds. Water levels at non-pumping wells TW4-6, TW4-29, and TW4-33, all located within the chloroform plume downgradient of TW4-4, have been declining since the fourth quarter of 2013. However, water levels at other wells marginal to cross-gradient of the plume (and generally downgradient of TW4-4), for example TW4-14, TW4-27, TW4-30, and TW4-31, continue to increase as a result of past wildlife pond recharge.

Between the fourth quarter of 2007 and the fourth quarter of 2009 (just prior to the start of TW4-4 pumping), water levels at TW4-4 and TW4-6 increased by nearly 2.7 and 2.9 feet, respectively, at rates of approximately 1.2 feet/year and 1.3 feet/year, respectively. However, the rate of increase in water levels at TW4-6 after the start of pumping at TW4-4 (first quarter of 2010) was reduced to less than 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4. The downward trend in water levels at TW4-6 since the fourth quarter of 2013 likely results from both the cessation of water delivery to the northern wildlife ponds and the recent addition of chloroform pumping wells TW4-1, TW4-2, and TW4-11.

The lack of a well-defined cone of depression at TW4-4 is also influenced by the persistent, relatively low water level at non-pumping well TW4-14, located east of TW4-4 and TW4-6. For the current quarter, the water level at TW4-14 was measured at approximately 5532.2 feet above mean sea level ("ft amsl"). This is approximately 5 feet lower than the water level at TW4-6 (approximately 5537.4 ft amsl) and 9 feet lower than the water level at TW4-4 (approximately 5541.6 ft amsl) even though TW4-4 is pumping.

The static water levels at wells TW4-14 and downgradient well TW4-27 (installed south of TW4-14 in the fourth quarter of 2011) were similar (within 1 to 2 feet) until the third quarter of 2014; both appeared anomalously low. The current quarterly water level at TW4-27 (approximately 5527.9 ft amsl) is 4.3 feet lower than the water level at TW4-14 (5532.2 ft amsl). Recent increases in the differences between water levels at TW4-14 and TW4-27 are due to more rapid increases in water levels at TW4-14 that result from past delivery of water to the northern wildlife ponds. The rate of water level increase at TW4-27 is smaller than at TW4-14 because TW4-27 is farther downgradient of the ponds.

TW4-27 was positioned at a location considered likely to detect any chloroform present and/or to bound the chloroform plume to the southeast and east (respectively) of TW4-4 and TW4-6. As will be discussed below, groundwater data collected since installation indicates that TW4-27 does indeed bound the chloroform plume to the southeast and east of TW4-4 and TW4-6 (respectively); however chloroform exceeding 70 μg/L has been detected at relatively recently installed temporary perched wells TW4-29 (located south of TW4-27) and TW4-33 (located between TW4-4 and TW4-29).

Prior to the installation of TW4-27, the persistently low water level at TW4-14 was considered anomalous because it appeared to be downgradient of all three wells TW4-4, TW4-6, and TW4-26, yet chloroform had not been detected at TW4-14. Chloroform had apparently migrated from TW4-4 to TW4-6 and from TW4-6 to TW4-26 which suggested that TW4-26 was actually downgradient of TW4-6, and TW4-6 was actually downgradient of TW4-4, regardless of the flow direction implied by the low water level at TW4-14. The water level at TW4-26 (5535.2 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5537.4 feet amsl), and TW4-23 (5538.3 feet amsl.

Hydraulic tests indicate that the permeability at TW4-27 is an order of magnitude lower than at TW4-6 and three orders of magnitude lower than at TW4-4 (see Hydro Geo Chem, Inc. [HGC], September 20, 2010: Hydraulic Testing of TW4-4, TW4-6, and TW4-26, White Mesa Uranium Mill, July 2010; and HGC, November 28, 2011: Installation, Hydraulic Testing, and Perched Zone Hydrogeology of Perched Monitoring Well TW4-27, White Mesa Uranium Mill Near

Blanding, Utah). The similar water levels at TW4-14 and TW4-27, and the low permeability estimate at TW4-27 suggested that both wells were completed in materials having lower permeability than nearby wells. The low permeability condition likely reduced the rate of long-term water level increase at TW4-14 and TW4-27 compared to nearby wells, yielding water levels that appeared anomalously low. This behavior is consistent with hydraulic test data collected from relatively recently installed wells TW4-29, TW4-30, TW4-31, TW4-33, TW4-34 and TW4-35, which indicate that the permeability of these wells is one to two orders of magnitude higher than the permeability of TW4-27 (see: HGC, January 23, 2014, Contamination Investigation Report, TW4-12 and TW4-27 Areas, White Mesa Uranium Mill Near Blanding, Utah; and HGC, July 1, 2014, Installation and Hydraulic Testing of TW4-35 and TW4-36, White Mesa Uranium Mill Near Blanding, Utah [As-Built Report]). The low permeability at TW4-14 and TW4-27 is expected to retard the transport of chloroform to these wells (compared to nearby wells). As will be discussed in Section 4.2.3, fourth quarter, 2015 chloroform concentrations at TW4-26 and TW4-27 are 3.5 µg/L and 1.6 µg/L, respectively and both wells are outside the chloroform plume.

Hydraulic tests also indicate that the permeability at relatively recently installed well TW4-36 is slightly higher than but comparable to the low permeability at TW4-27, suggesting that TW4-36, TW4-14 and TW4-27 are completed in a continuous low permeability zone.

Although chloroform exceeding 70 µg/L was detected at relatively recently installed wells TW4-29 (located south of TW4-27) and TW4-33 (located between TW4-4 and TW4-29), chloroform was detected at only approximately 3.5 µg/L at relatively recently installed well TW4-30 (located east and downgradient of TW4-29), and was not detected at relatively recently installed wells TW4-31 (located east of TW4-27), nor TW4-34 (located south and cross-gradient of TW4-29), nor at well TW4-35 (located southeast and cross- to downgradient of TW4-29). The detections at TW4-29 and TW4-33 suggest that chloroform migrated southeast from the vicinity of TW4-4 to TW4-33 then TW4-29 in a direction nearly cross-gradient with respect to the direction of groundwater flow implied by the groundwater elevations. Such migration is possible because the water level at TW4-29 is lower than the water level at TW4-4 (and TW4-6). The hydraulic conductivities of TW4-29, TW4-30, and TW4-31 are one to two orders of magnitude lower than the conductivity of TW4-4, and one to two orders of magnitude higher than the conductivity of TW4-27. The permeability and water level distributions are generally consistent with the apparent nearly cross-gradient migration of chloroform around the low permeability zone defined by TW4-36, TW4-14, and TW4-27.

Data from existing, and relatively recently installed wells indicate that:

1. Chloroform exceeding 70 µg/L at TW4-29 is bounded by concentrations below 70 µg/L at wells TW4-26, TW4-27, TW4-30, TW4-34, and TW4-35. TW4-30 is downgradient of TW4-29; TW4-26 is upgradient of TW4-29; TW4-27 and TW4-34 are cross-gradient of TW4-29; and well TW4-35 is cross- to downgradient of TW4-29.

2. Chloroform concentrations at TW4-33 that are lower than concentrations at TW4-29, and the likelihood that a pathway exists from TW4-4 to TW4-33 to TW4-29, suggest that concentrations in the vicinity of TW4-33 were likely higher prior to initiation of TW4-4

pumping, and that lower concentrations currently detected at TW4-33 are due to its closer proximity to TW4-4.

Furthermore, TW4-4 pumping is likely to eventually reduce chloroform at both TW4-33 and TW4-29 by cutting off the source. The decrease at TW4-33 is expected to be faster than at TW4-29 because TW4-33 is in closer proximity to TW4-4 pumping. Such behavior is expected by analogy with the decreases in chloroform concentrations that occurred at TW4-6 and TW4-26 once TW4-4 pumping began. Since installation in 2013, however, concentrations at TW4-33 appear to be relatively stable; since the third quarter of 2014, concentrations at TW4-29 appear to be generally increasing (showing a substantial increase from 276 μg/L to 631 μg/L between last quarter and the current quarter).

Relatively stable chloroform at TW4-33 and recent increases in concentration at TW4-29 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that continues to migrate downgradient (toward TW4-30, which bounds to plume to the east). The influence of TW4-4 pumping at the distal end of the plume is consistent with decreasing water levels at both TW4-29 and TW4-33.

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

The groundwater contour map for the Mill site for the third quarter of 2015, as submitted with the Chloroform Monitoring Report for the third quarter of 2015, is attached under Tab E.

A comparison of the water table contour maps for the current quarter (fourth quarter of 2015) to the water table contour maps for the previous quarter (third quarter of 2015) indicates similar patterns of drawdowns associated with pumping wells. A significant cone of depression associated with new chloroform pumping well TW4-37 is not yet evident. Drawdowns associated with chloroform pumping wells TW4-1, TW4-2, TW4-21, and TW4-37, and nitrate pumping wells TW4-22 and TW4-25 increased by more than 2 feet this quarter. Drawdowns associated with chloroform pumping well MW-4 decreased by more than 2 feet this quarter.

Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 were brought into operation during the first quarter of 2013 and their impact on water level patterns was evident as of the fourth quarter of 2013. Water levels in all nitrate pumping wells showed decreases (increases in drawdown) ranging from negligible to as much as 3 feet this quarter.

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

Small (<1 foot) changes in water levels were reported at the majority of site wells; water levels and water level contours for the site have not changed significantly since the last quarter except for a few locations. Reported decreases in water levels (increases in drawdown) of approximately 6.3, 8.8, 3.2, 2.4, 3.0, 1.7, and 3.0 feet occurred in chloroform pumping wells TW4-1, TW4-2,

TW4-21, and TW4-37, and nitrate pumping wells TW4-22, TW4-24, and TW4-25 respectively. An increase in water level (decrease in drawdown) of approximately 7.8 feet was reported for chloroform pumping well MW-4. The reported water level for TW4-11 is slightly below the depth of the Brushy Basin contact this quarter. Changes in water levels at other pumping wells (chloroform pumping wells TW4-4, TW4-11, and TW4-20, and nitrate pumping well TWN-2) were less than 2 feet. Water level fluctuations at pumping wells typically occur in part because of fluctuations in pumping conditions just prior to and at the time the measurements are taken. Water level decreases at non-pumping wells TW4-7 and TW4-8 of 6.8 feet and 4.6 feet, respectively, likely result from increased drawdowns at nearby pumping wells TW4-1 and TW4-2. Furthermore, water levels decreased in 34 of the 38 chloroform program wells this quarter.

Although increases in water levels (decreases in drawdown) occurred in some pumping wells and decreases in water levels (increases in drawdown) occurred in others, the overall apparent capture of the combined pumping system has increased compared to last quarter primarily due to increased drawdowns near TW4-1, TW4-2, and TW4-11.

Reported water level decreases of up to 0.7 feet at Piezometers 2, 4, and 5, TWN-1, TWN-4, TWN-6, TWN-18, and MW-19 may result from cessation of water delivery to the northern wildlife ponds as discussed in Section 4.1.1 and the consequent continuing decay of the associated perched water mound. Reported water level decreases of approximately 0.7 feet and 0.6 feet at Piezometers 4 and 5, respectively, may result from reduced recharge at the southern wildlife pond.

Reported water levels increased by approximately 2.8 feet at MW-3, and decreased by approximately 3.6 feet, 2.8 feet, and 7.4 feet at MW-20, MW-23, and MW-37, respectively, between the previous quarter and the current quarter. The water level increase at MW-3 compensates for the decrease reported last quarter. Water level variability at these wells is likely the result of low permeability and variable intervals between purging/sampling and water level measurement. Measurable water was again reported at DR-22. This piezometer has typically been dry but on occasion has measurable water reported in the bottom of the casing.

### 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 F 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 operating chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20, and, since the first half of 2015, wells TW4-1, TW4-2, TW4-11, TW4-21, and TW4-37. 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 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 for a high rate of chloroform mass removal. TW4-4 is located in a downgradient area having relatively high chloroform concentrations but relatively small saturated thickness, and at a transition from relatively high to relatively low permeability conditions downgradient of TW4-4. As with the other chloroform pumping wells, pumping TW4-4 helps to reduce the rate of chloroform migration in downgradient portions of the plume.

The impact of chloroform pumping is indicated by the water level contour maps attached under Tabs D and E. Cones of depression are evident 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. Relatively large cones of depression have developed in the vicinities of wells TW4-1, TW4-2, and TW4-11 which began pumping during the first quarter of 2015, and at TW4-21 which began pumping during the second quarter of 2015. A cone of depression in the vicinity of chloroform pumping well TW4-37, which began pumping during the second quarter of 2015, is not yet evident. The water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of these pumping wells. As discussed in Section 4.1.1, although chloroform pumping well TW4-4 became operational in 2010, the drawdown associated with TW4-4 is likely less apparent due to variable permeability conditions near TW4-4 and the persistently low water level at adjacent well TW4-14.

Compared to last quarter, both increases and decreases in water levels occurred at nitrate and chloroform pumping wells. The water levels in chloroform pumping wells TW4-1, TW4-2, TW4-19, TW4-20, TW4-21, and TW4-37 decreased by approximately 6.3, 8.8, 0.7, 1.4 feet, 3.2, and 2.4 feet respectively, while the water levels in chloroform pumping wells MW-4 and TW4-4 increased by approximately 7.8 and 0.3 feet, respectively. The water levels in nitrate pumping wells TW4-22, TW4-24, and TW4-25 decreased by approximately 3.0, 1.7, and 3.0 feet, respectively, and the water level in nitrate pumping well TWN-2 remained approximately the same.

Overall, the apparent capture of the combined pumping systems has expanded compared to last quarter, primarily due to increased drawdowns near TW4-1, TW4-2, and TW4-11.

The capture associated with nitrate pumping wells is expected to increase over time as water levels continue to decline due to cessation of water delivery to the northern wildlife ponds and continued pumping. Slow development of hydraulic capture is consistent with and expected based on the relatively low permeability of the perched zone at the site.

The hydraulic capture effectiveness of both chloroform and nitrate pumping systems depends to some extent on the continued productivity of chloroform and nitrate pumping wells. Decreases in productivity have been noted since the third quarter of 2014 in chloroform pumping well TW4-19 and nitrate pumping well TW4-24. The impact of reduced productivity of these wells on

chloroform capture was discussed in Attachment N (Tab N) of the third quarter, 2015 report. The report also included a discussion of the effectiveness of chloroform pumping on chloroform capture. 'Background' flow through the chloroform plume was calculated as approximately 3.3 gpm Pumping from the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, and TW4-37) is approximately 4.8 gpm, which exceeds the calculated background flow by 1.5 gpm or 45%. Therefore chloroform pumping is considered adequate at the present time even with the reduced productivities of TW4-19 and TW4-24. This is primarily attributable to adding TW4-1, TW4-2, TW4-11, TW4-21, and TW4-37 to the pumping network during the first half of 2015. In addition, because of continued reductions in saturated thicknesses and hydraulic gradients resulting from reduced wildlife pond recharge, 'background' flow through the plume is expected to continue to diminish, thereby reducing the pumping needed to control the plume.

Chloroform concentrations at many locations have been or appear to be affected by changes associated with reduced dilution from the wildlife ponds and nitrate pumping. For example, increases in chloroform at TW4-22 and TW4-24 after these wells were converted to nitrate pumping wells are attributable to westward migration of chloroform from the vicinity of TW4-20 toward these wells. The increase in concentration at TW4-8 from non-detect to 100 μg/L in the first quarter of 2014 (and to 770 μg/L this quarter) is likely related to reduced dilution. Although the chloroform concentration in TW4-6 decreased from 1,040 μg/L to 843 μg/L this quarter, concentrations at TW4-6 have increased from approximately 10 μg/L since the second quarter of 2014. These changes are likely related to both reduced dilution and more westward flow induced by nitrate pumping.

TW4-6 is located immediately south and cross- to downgradient of chloroform pumping well TW4-4. Chloroform concentrations at TW4-6 exceeded 70 μg/L between the first quarter of 2009 and the third quarter of 2010, and remained below 70 μg/L between the fourth quarter of 2010 and the second quarter of 2014. Relatively low permeability and relatively small saturated thickness in the vicinity of TW4-6 limit the rate at which chloroform mass can be removed by pumping. However, pumping at more productive upgradient locations such as TW4-4 enhances mass removal and lowers hydraulic gradients, thereby reducing the rate of downgradient chloroform migration and allowing natural attenuation to be more effective. Pumping at TW4-4 was implemented during the first quarter of 2010 to improve capture downgradient of TW4-4 to the extent allowable by the lower productivity conditions present in this area. The beneficial effect of pumping TW4-4 is demonstrated by the net decreases in TW4-6 chloroform concentrations from 1,000 μg/L to 10.3 μg/L, and in TW4-26 from 13 μg/L to 4.2 μg/L, between the initiation of TW4-4 pumping and the second quarter of 2014. Concentrations at these wells decreased substantially even though they do not unambiguously appear to be within the hydraulic capture of TW4-4. As discussed in Section 4.1.1, however, the decrease in the long-term rate of water level rise at TW4-6 after TW4-4 began pumping does suggest that TW4-6 is within the hydraulic influence of TW4-4. The decline in water levels at TW4-6 since the fourth quarter of 2013 likely reflects the additional influences of cessation of water delivery to the wildlife ponds and the addition of chloroform pumping wells TW4-1, TW4-2, and TW4-11. Regardless of whether TW4-6 can be demonstrated to be within the hydraulic capture of TW4-4, pumping TW4-4 helps to reduce chloroform migration to TW4-6, TW4-26, and other downgradient locations by the mechanisms discussed above.

Likewise, pumping at other productive upgradient locations has a beneficial impact on downgradient chloroform even if the downgradient chloroform is not completely within the hydraulic capture of the productive upgradient well(s). For example, pumping at MW-26 likely reduced chloroform concentrations at TW4-16 from a maximum of 530 µg/L in the second quarter of 2004 to less than 70 µg/L by the fourth quarter of 2005, and maintained concentrations below 70 µg/L until the second quarter of 2014, even though TW4-16 appears to be just beyond the hydraulic capture of MW-26. Furthermore, the overall hydraulic capture of the chloroform pumping system has expanded since initiation of pumping at wells TW4-1, TW4-2, and TW4-11 during the first quarter of 2015, and wells TW4-21 and TW4-37 during the second quarter of 2015. Operation of these additional wells may have reversed the increase in concentration at TW4-16 which dropped from 387 µg/L in the fourth quarter of 2014 to less than 70 µg/L in the second quarter of 2015. Chloroform at TW4-16 was detected at 112 µg/L this quarter.

Chloroform exceeding 70 µg/L was detected at relatively recently installed well TW4-29, located south of TW4-27 and east of TW4-26, and generally cross-gradient of TW4-4 and TW4-6 with respect to the groundwater flow directions implied by groundwater elevations in the area. As discussed in Section 4.1.1, this may represent chloroform migrating around the low permeability area defined by TW4-27, TW4-14 and TW4-36. The apparent migration pathway from TW4-4 to TW4-29 is consistent with chloroform exceeding 70 µg/L detected at relatively recently installed well TW4-33, located between TW4-4 and TW4-29. Chloroform concentrations at TW4-33 that are lower than concentrations at TW4-29, and the likelihood that a pathway exists from TW4-4 to TW4-33 to TW4-29, suggest that concentrations in the vicinity of TW4-33 were likely higher prior to initiation of TW4-4 pumping. TW4-4 pumping is likely to eventually reduce chloroform at both TW4-33 and TW4-29 by cutting off the source. The impact at TW4-33 is expected to be greater than at TW4-29 because TW4-33 is in closer proximity to TW4-4 pumping. Such behavior is expected by analogy with the decreases in chloroform concentrations at TW4-6 and TW4-26 that occurred once TW4-4 pumping began. However, concentrations at both TW4-29 and TW4-33 were relatively stable (rather than decreasing) for several quarters after installation. Concentrations at TW4-29 appear to be on an upward trend since the third quarter of 2014, and increased substantially from 276 µg/L to 631 µg/L since last quarter. As discussed in Section 4.1.1, although decreasing concentration trends at both wells are eventually expected to occur, relatively stable chloroform at TW4-33 and recent increases in concentration at TW4-29 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that continues to migrate downgradient (toward TW4-30, which bounds to plume to the east). The influence of TW4-4 pumping at the distal end of the plume is consistent with decreasing water levels at both TW4-29 and TW4-33.

Chloroform analytical results from relatively recently installed wells TW4-35 and TW4-36 (as discussed in Section 4.2.3) demonstrate that chloroform is bounded to the southeast of TW4-29 and to the east of TW4-8.

## 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. Details of the gridding procedure used to generate the chloroform isoconcentration map (consistent with Part III.B.2.a through Part III.B.2.c of the GCAP) are provided in Tab L.

### 4.2.2 Chloroform Concentration Trend Data and Graphs

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

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

### 4.2.3 Interpretation of Analytical Data

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

a) Chloroform concentrations have increased by more than 20% in the following wells compared to last quarter: MW-26, TW4-2, TW4-9, TW4-11, TW4-16, TW4-18, TW4-21, TW4-27, and TW4-29;

b) Chloroform concentrations decreased by more than 20% in the following wells compared to last quarter: TW4-24 and TW4-26;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-4, TW4-5, TW4-6, TW4-7, TW4-8, TW4-10, TW4-19, TW4-20, TW4-22, TW4-30, TW4-33, and TW4-37;

d) Chloroform concentrations have remained non-detect in the following wells: MW-32, TW4-3, TW4-12, TW4-13, TW4-23, TW4-25, TW4-28, TW4-31, TW4-32, TW4-34, TW4-35, and TW4-36; and

e) The chloroform concentration in TW4-14 went from non-detect to 1.5 μg/L this quarter;

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 MW-26, TW4-2, TW4-9, TW4-11, TW4-16, TW4-18, TW4-21, TW4-24, TW4-26, TW4-27, and TW4-29 had changes in concentration greater than 20%. Of these, MW-26, TW4-2, TW4-11, and TW4-21 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-9 is located near chloroform pumping wells MW-26, TW4-19, and TW4-20; TW4-16 is located adjacent to

chloroform pumping wells TW4-11 and MW-26; and TW4-18 is located adjacent to chloroform pumping well TW4-19. TW4-26 is located immediately southwest of the plume boundary, and TW4-27 is located immediately east of the plume boundary. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping.

Chloroform pumping wells TW4-20 and TW4-37, and nitrate pumping well TW4-22, had the highest detected chloroform concentrations of 17,000, 19,500, and 7,530 µg/L, respectively. The chloroform concentration at recently installed pumping well TW4-37 was the highest detected this quarter, indicating the well is well placed to increase chloroform mass removal rates.

Since the last quarter, the chloroform concentration in TW4-20 remained at 17,000 µg/L, the concentration in adjacent pumping well TW4-19 decreased slightly from 7,860 to 7,840 µg/L, and the concentration in nearby pumping well TW4-21 increased from 281 to 339 µg/L. The chloroform concentration in nitrate pumping well TW4-22 decreased from 7,810 µg/L to 7,530 µg/L. The chloroform concentration in nitrate pumping well TW4-24 decreased from 46.9 to 25.3 µg/L, and TW4-24 remains outside the chloroform plume. Nitrate pumping well TW4-25 remained non-detect for chloroform. TW4-25, located north of TW4-21, continues to bound the chloroform plume to the north.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased slightly from 747 µg/L to 770 µg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,200 µg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. The occurrence of elevated chloroform at TW4-8 is likely related to its location along the eastern plume boundary immediately east of pumping well MW-4. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds. Chloroform at TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-detect), and to the southeast by TW4-14 (1.5 µg/L). The increase in chloroform at TW4-27 from non-detect to approximately 1.6 µg/L since the second quarter of 2015 is consistent with ongoing, but slow, downgradient migration.

Chloroform at relatively recently installed well TW4-29 (located at the southern tip of the plume, to the east of TW4-26 and to the south of TW4-27) increased substantially from 276 µg/L to 631 µg/L. Chloroform at TW4-30, located immediately downgradient of TW4-29, increased slightly from approximately 3.3 µg/L to approximately 3.5 µg/L. As with TW4-27, the change at TW4-30 is consistent with ongoing, but slow, downgradient migration. Chloroform at TW4-29 is bounded to the north by TW4-27 (1.6 µg/L), to the east by TW4-30 (3.5 µg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (3.5 µg/L).

Chloroform at relatively recently installed well TW4-33 (located between TW4-4 and TW4-29) showed a slight increase in concentration, from 123 µg/L to 129 µg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (1.5 µg/), to the east by TW4-27 (1.6 µg/L), to the west by TW4-23 (non-detect), and to the south and west by TW4-26 (3.5 µg/L). This chloroform

distribution indicates that the plume southeast of TW4-4 is very narrow compared to more upgradient locations.

As discussed above, the chloroform concentration in TW4-6 decreased to 843 μg/L, and remains within the chloroform plume boundary. Concentrations at TW4-6 exceeded 70 μg/L from the first quarter of 2009 through the third quarter of 2010, then remained below 70 μg/L until the third quarter of 2014. Between initiation of pumping of TW4-4 in the first quarter of 2010 and the second quarter of 2014, concentrations at TW4-6 showed a net decrease from 1,000 μg/L to 10.3 μg/L. 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.

The relatively slow rate of chloroform migration in the vicinity of TW4-6 in the past 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 south (downgradient) of TW4-4. Chloroform migration rates in the vicinity of well TW4-26 and relatively recently installed wells TW4-29 and TW4-33 are also expected to be relatively slow due to upgradient pumping and relatively low permeability conditions. By analogy with the decreases in concentration at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, chloroform concentrations at TW4-29 and TW4-33 are expected to eventually trend downward.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for a slight expansion near TW4-24. Nitrate pumping generally caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the previous six quarters, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter, likely due to initiation of TW4-37 pumping and reduced productivity at TW4-24. Generally increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) since the second quarter of 2014 indicate that the plume boundary migrated to the southwest and re-incorporated both wells. TW4-6 remains within the plume this quarter and TW4-16 (with a concentration of approximately 112 μg/L) remains within the plume (after being outside the plume in the second quarter of 2015). Increases at these wells beginning in the second quarter of 2014 are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. However, continued operation of the nitrate pumping system is expected to enhance the capture zone associated with the chloroform pumping system even though nitrate pumping may redistribute chloroform within the plume and cause changes in the plume boundaries. Furthermore, the addition of chloroform wells TW4-1, TW4-2, and TW4-11 to the chloroform pumping network

in the first quarter of 2015, and TW4-21 and TW4-37 in the second quarter of 2015, is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 and TW4-16 after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping.

## 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, EFRI 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.

Beginning in January 2013, EFRI began long term pumping of TW4-22, TW4-24, TW4-25, and TWN-02 as required by the Nitrate CAP, dated May 7, 2012 and the Stipulated Consent Order (the "SCO") dated December 12, 2012. Because wells TW4-22, TW4-24, and TW4-25 are chloroform program wells, they are included in this report and any chloroform removal realized as part of this pumping is calculated and included in the chloroform quarterly reports.

Beginning on January 14, 2015, EFRI began long term pumping of TW4-1, TW4-2, and TW4-11 and began long term pumping of TW4-21 and TW4-37 on June 9, 2015.

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, from TW4-4 on January 31, 2010, and from TW4-22, TW4-24, and TW4-25 on January 26, 2013. 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. EFRI 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, TW4-20, and 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
- Measurement of water levels weekly at TW4-22, TW4-24, TW4-25, and TWN-02 commencing January 28, 2013, and on a monthly basis for selected temporary wells and permanent monitoring wells.

## 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. From commencement of pumping, water levels in wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, and TWN-2 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, TW4-1, TW4-2, TW4-11, TW4-19, TW4-20, TW4-21, TW4-4, TW4-22, TW4-24, TW4-25, TW4-37, and TWN-2 and the monthly Depth to Water monitoring sheets for the chloroform contaminant investigation wells and the selected temporary wells and permanent monitoring wells are included under Tab C. Monthly depth to water measurements for the quarter are recorded in the Field Data Worksheets included under Tab C.

## 5.4 Pumping Rates and Volumes

Table G-2 summarizes the recovered mass of chloroform by well per quarter and historically since the inception of the chloroform recovery program for the active pumping wells. It is important to note that TWN-2 is a nitrate program well and is sampled only for nitrate and chloride as required by the nitrate program. Because TWN-2 is not sampled or analyzed for chloroform, the mass of chloroform recovered is not calculated.

The pumping wells do not pump continuously, but are on a delay device. The wells purge for a set amount of time and then shut off to allow the well to recharge. Water from the pumping wells is transferred to a holding tank. The water in the holding tank is used in the Mill processes. The pumping rates and volumes for each of the pumping wells are shown in Table G-3. Specific operational problems observed with the well or pumping equipment which occurred during the quarter are noted for each well below in Section 5.4.1.

Unless specifically noted below, no additional operational problems were observed with the well or pumping equipment during the quarter.

### 5.4.1 MW-4

On November 30, 2015, Mill Field Personnel noted during the routine weekly inspection that the timer on MW-4 lost memory and the timer settings were erased. The well continued to pump and no loss of data were noted. The display batteries were changed and the timer was reset. No official notifications to DWMRC were required as the issue was rectified within 24-hours and there was no loss of pumping.

The timer issue noted above was the result of battery failure in the display module. The pump continued to operate as programed, however, the display was incorrect. Pumping continued uninterrupted.

### 5.5 Mass Removed and Plume Residual Mass

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 G-2, which shows the pounds of chloroform that have been removed to date. The mass of chloroform removed from the plume this quarter is approximately 32.3 lb, which is within about 3% of the approximately 33.4 lb removed last quarter.

The residual mass of chloroform within the plume is estimated as 1,869 lb using the methodology described in Appendix A of the GCAP ("Chloroform Plume Mass Calculation Method"). This is approximately 157 lb more than last quarter's estimate of 1712 lb. As per Part III.B.2 of the GCAP, electronic files used in calculating the mass estimate are provided with this report. Details of the procedure are provided in Tab L.

The residual mass is plotted in Figure L.1. Based on last quarter's and the current quarter's estimates, the trend is upward. Subsequent residual plume mass estimates will be calculated quarterly, added to the graph, and the trendline updated as per Part III.B.3 of the GCAP.

### 5.6 Inspections

All of the required inspections were completed and the inspection forms are included in Tab C.

### 5.7 Conditions That May Affect Water Levels in Piezometers

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

## 6.0 CORRECTIVE ACTION REPORT

There are no corrective actions required during the current monitoring period.

### 6.1 Assessment of Previous Quarter's Corrective Actions

There are no corrective actions required during the previous monitoring period.

## 7.0 CURRENT COMPLIANCE STATUS

### 7.1 Long Term Chloroform Plume Control

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 μg/L (Tab J). The plume is bounded to the north by TW4-25 (non-detect); to the west and southwest by MW-31 (non-detect), MW-32 (non-detect), TW4-23 (non-detect), TW4-24

(approximately 25 μg/L), and TW4-26 (approximately 3 μg/L); to the east by TW4-3 (non-detect), TW4-5 (approximately 11 μg/L), TW4-9 (approximately 68 μg/L), TW4-13 (non-detect), TW4-14 (approximately 1.5 μg/L), TW4-18 (approximately 53 μg/L), TW4-27 (approximately 2 μg/L), TW4-30 (approximately 3 μg/L), and TW4-36 (non-detect); to the south by TW4-34 (non-detect); and to the southeast by TW4-35 (non-detect).

Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume.

### 7.2 Well Construction, Maintenance and Operation

Part II of the GCAP specifies that EFRI must construct, maintain and operate the chloroform wells in accordance with the specifications delineated therein. No new wells were installed during the quarter and all previously installed wells were installed in accordance with the GCAP requirements. The existing wells were maintained and operated as required. Additional details regarding any specific pumping well operations and maintenance issues noted during the quarter are discussed in Section 5.0 above.

### 7.3 Disposal of Extracted Groundwater

Part II of the GCAP requires that all extracted groundwater be disposed of in the tailings management system or fed in the Mill process. All extracted groundwater was handled as required by the GCAP.

### 7.4 Compliance Well Performance

Part II.G of the GCAP states that an exceedance of the compliance well performance standard is defined as the presence of chloroform in any compliance monitoring well in excess of 70 ug/L for two or more quarters.

The compliance well chloroform concentrations were below the 70 ug/L during the quarter. Because there were no excursions of chloroform in any compliance monitoring wells, an Exceedance Notice and Plan and Time Schedule are not required.

### 7.5 Chloroform Plume Monitoring for Wells within 500 Feet of the Property Boundary

Currently there are no compliance wells within 500 feet of the property boundary.

## 8.0 CONCLUSIONS AND RECOMMENDATIONS

The residual mass of chloroform within the plume is estimated as 1,869 lb using the methodology described in Appendix A of the CAP ("Chloroform Plume Mass Calculation Method"). This represents an increase of approximately 157 lbs (or 9%) compared to the previous quarter. The mass of chloroform removed from the plume this quarter is approximately 32.3 lb, approximately 3% less than the mass removed during the previous quarter.

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 μg/L. The plume is bounded to the north by TW4-25; to the west and southwest by MW-31, MW-32, TW4-23, TW4-24, and TW4-26; to the east by TW4-3, TW4-5, TW4-9, TW4-13, TW4-14, TW4-18, TW4-27, TW4-30, and TW4-36; to the south by TW4-34; and to the southeast by TW4-35. Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume.

The water level contour maps for the fourth quarter, 2015 indicate effective capture of water containing high chloroform concentrations in the vicinity of chloroform pumping wells MW-4, MW-26, TW4-19, and TW4-20. Capture in the vicinity of MW-4 has been enhanced by start-up of chloroform pumping wells TW4-1, TW4-2, and TW4-11 during the first quarter of 2015. Well-defined capture zones are not clearly evident at chloroform pumping well TW4-37 which began pumping during the second quarter of 2015, nor at TW4-4. The capture zone associated with TW4-4 is likely obscured by the low water level at adjacent well TW4-14 and the two orders of magnitude decrease in permeability south of TW4-4. However, between the first quarter of 2010 and the second quarter of 2014, decreases in chloroform concentrations and the rate of water level rise at TW4-6 (located downgradient of TW4-4) likely resulted from TW4-4 pumping. Cones of depression associated with the nitrate pumping wells became evident as of the fourth quarter, 2013, and capture associated with the nitrate pumping is expected to continue to develop. The start-up of chloroform pumping wells TW4-21 and TW4-37 during the second quarter of 2015 is also expected to increase capture and chloroform removal rates. An overall increase in capture occurred between the current and previous quarter, largely attributable to continued pumping at TW4-1, TW4-2, and TW4-11.

'Background' flow through the chloroform plume was calculated as approximately 3.3 gpm as presented in Attachment N (Tab N) of the third quarter, 2015 Chloroform Monitoring Report. Pumping from the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, and TW4-37) is approximately 4.8 gpm, which exceeds the calculated background flow by 1.5 gpm or 45%. Therefore chloroform pumping is considered adequate at the present time.

Chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Changes in concentration greater than 20% occurred in wells MW-26, TW4-2, TW4-9, TW4-11, TW4-16, TW4-18, TW4-21, TW4-24, TW4-26, TW4-27, and TW4-29. Of these, MW-26, TW4-2, TW4-11, and TW4-21 are chloroform pumping wells, and TW4-24 is a nitrate pumping well. TW4-9 is located near chloroform pumping wells MW-26, TW4-19, and TW4-20; TW4-16 is located adjacent to chloroform pumping wells TW4-11 and MW-26; and TW4-18 is located adjacent to chloroform pumping well TW4-19. TW4-26 is located immediately southwest of the plume boundary, and TW4-27 is located immediately east of the plume boundary. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. In addition, changes in concentrations at chloroform wells are expected to result from continued operation of nitrate pumping wells as the capture associated with nitrate pumping expands and flow directions change locally.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased slightly from 747 μg/L to 770 μg/L. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,200 μg/L. From the first quarter of 2005 through the fourth quarter of 2013, the plume boundary remained between MW-4 and TW4-8. The occurrence of elevated chloroform at TW4-8 is likely related to its location along the eastern plume boundary immediately east of pumping well MW-4. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds. Chloroform at TW4-8 is bounded to the north by TW4-3 (non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-detect), and to the southeast by TW4-14 (approximately 1.5 μg/L). The increases in chloroform at TW4-27 from non-detect to approximately 1.6 μg/L since the second quarter of 2015, and at TW4-14 from non-detect to 1.5 μg/L since last quarter, is consistent with ongoing, but slow, downgradient migration.

Chloroform pumping wells TW4-20 and TW4-37, and nitrate pumping well TW4-22, had the highest detected chloroform concentrations of 17,000, 19,500, and 7,530 μg/L, respectively. The chloroform concentration at recently installed pumping well TW4-37 was the highest detected this quarter, indicating the well is well-placed to increase chloroform mass removal rates.

Since the last quarter, the chloroform concentration in TW4-20 remained at 17,000 μg/L, the concentration in adjacent pumping well TW4-19 decreased slightly from 7,860 to 7,840 μg/L, and the concentration in nearby pumping well TW4-21 increased from 281 to 339 μg/L. The chloroform concentration in nitrate pumping well TW4-22 decreased from 7,810 μg/L to 7,530 μg/L. The chloroform concentration in nitrate pumping well TW4-24 decreased from 46.9 to 25.3 μg/L, and TW4-24 remains outside the chloroform plume. Nitrate pumping well TW4-25 remained non-detect for chloroform. TW4-25, located north of TW4-21, continues to bound the chloroform plume to the north.

Chloroform at relatively recently installed well TW4-29 (located at the southern tip of the plume, to the east of TW4-26 and to the south of TW4-27) increased substantially from 276 μg/L to 631 μg/L. Chloroform at TW4-30, located immediately downgradient of TW4-29, increased slightly from approximately 3.3 μg/L to approximately 3.5 μg/L. As with TW4-27, the change at TW4-30 is consistent with ongoing, but slow, downgradient migration. Chloroform at TW4-29 is bounded to the north by TW4-27 (1.6 μg/L), to the east by TW4-30 (3.5 μg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (non-detect), and to the west by TW4-26 (3.5 μg/L).

Chloroform at relatively recently installed well TW4-33 (located between TW4-4 and TW4-29) showed a slight increase in concentration, from 123 μg/L to 129 μg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (1.5 μg/), to the east by TW4-27 (1.6 μg/L), to the west by TW4-23 (non-detect), and to the south and west by TW4-26 (3.5 μg/L). This chloroform distribution indicates that the plume southeast of TW4-4 is very narrow compared to more upgradient locations.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for a slight contraction near TW4-24, and slight expansion near TW4-9 and TW4-18. Nitrate pumping generally caused the boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Over the previous seven quarters, TW4-24 has been both inside and outside the plume and remains outside the plume this quarter, likely due to initiation of TW4-37 pumping and reduced productivity at TW4-24. Generally increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) since the second quarter of 2014 indicate that the plume boundary migrated to the southwest and re-incorporated both wells. TW4-6 remains within the plume this quarter and TW4-16 (with a concentration of approximately 112 μg/L) remains within the plume (after being outside the plume during the second quarter of 2015). Increases at these wells beginning in the second quarter of 2014 are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. However, continued operation of the nitrate pumping system is expected to enhance the capture zone associated with the chloroform pumping system even though nitrate pumping may redistribute chloroform within the plume and cause changes in the plume boundaries. Furthermore, the addition of chloroform wells TW4-1, TW4-2, and TW4-11 to the chloroform pumping network in the first quarter of 2015, and TW4-21 and TW4-37 during the second quarter of 2015, is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 and TW4-16 after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping.

Continued operation of chloroform pumping wells 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 helps to reduce downgradient chloroform migration by removing chloroform mass and reducing hydraulic gradients, thereby allowing natural attenuation to be more effective. Continued operation of chloroform pumping well TW4-4 is recommended to improve capture of chloroform to the extent practical in the southern portion of the plume. The overall decrease in chloroform concentrations at TW4-6 from 1,000 μg/L in the first quarter of 2010 to 10.3 μg/L in the second quarter of 2014 is likely related to pumping at TW4-4. The decrease in the long-term rate of water level rise at TW4-6 once TW4-4 pumping began, which suggests that TW4-6 is within the hydraulic influence of TW4-4, is also consistent with the decrease in chloroform concentrations at TW4-6 between the first quarter of 2010 and the second quarter of 2014. Continued operation of TW4-1, TW4-2, TW4-11, TW4-21, and TW4-37 is also recommended. Pumping these wells has increased overall capture and improved chloroform mass removal rates.

Furthermore, because of the influence of TW4-4 pumping, and by analogy with the concentration decreases at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, chloroform concentrations at TW4-29 and TW4-33 are expected to eventually trend downward. Since installation in 2013, however, concentrations at TW4-33 appear to be relatively stable, while, since the third quarter of 2014, concentrations at TW4-29 appear to be on an upward trend. Concentrations increased substantially between the last quarter and the current quarter. The relatively stable chloroform at TW4-33 and recent increases in concentration at TW4-29 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 pumping and that increasing chloroform at downgradient well TW4-29 results from a remnant of the plume that

continues to migrate downgradient (toward TW4-30, which bounds to plume to the east). The influence of TW4-4 pumping at the distal end of the plume is consistent with decreasing water levels at both TW4-29 and TW4-33. Continued evaluation of trends at TW4-29 and TW4-33 will be provided in subsequent quarters.

EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds in March, 2012 during discussions with DWMRC in March 2012 and May 2013. While past recharge from the ponds has helped limit many constituent concentrations within the chloroform and nitrate plumes by dilution, the associated groundwater mounding has increased hydraulic gradients and contributed to plume migration. Since use of the northern wildlife ponds ceased in March 2012, the reduction in recharge and decay of the associated groundwater mound are expected to increase constituent concentrations within the plumes while reducing hydraulic gradients and rates of plume migration. Recent increases in chloroform concentrations at TW4-6, TW4-8, TW4-9, and TW4-16 are likely related in part to reduced dilution.

The net impact of reduced wildlife pond recharge is expected to be beneficial even though it is also expected to result in higher concentrations that will persist until continued mass reduction via pumping and natural attenuation ultimately reduce concentrations. Temporary increases in chloroform concentrations are judged less important than reduced chloroform migration rates. The actual impacts of reduced recharge on concentrations and migration rates will be defined by continued monitoring.

## 9.0 ELECTRONIC DATA FILES AND FORMAT

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

## 10.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on February 24, 2016

Energy Fuels Resources (USA) Inc.

By:

Scott A. Bakken
Senior Director Regulatory Affairs

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.

Scott A. Bakken
Senior Director Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

## Table 1: Summary of Well Sampling for the Period

| Well | Sample Date | Date of Lab Report |
|---|---|---|
| MW-04 | 10/19/2015 | 11/6/2015 |
| TW4-01 | 10/19/2015 | 11/6/2015 |
| TW4-02 | 10/19/2015 | 11/6/2015 |
| TW4-03 | 10/21/2015 | 11/6/2015 |
| TW4-03R | 10/20/2015 | 11/6/2015 |
| TW4-04 | 10/19/2015 | 11/6/2015 |
| TW4-05 | 10/28/2015 | 11/19/2015 |
| TW4-06 | 10/29/2015 | 11/19/2015 |
| TW4-07 | 10/29/2015 | 11/19/2015 |
| TW4-08 | 10/29/2015 | 11/19/2015 |
| TW4-09 | 10/28/2015 | 11/19/2015 |
| TW4-10 | 10/29/2015 | 11/19/2015 |
| TW4-11 | 10/19/2015 | 11/6/2015 |
| TW4-12 | 10/21/2015 | 11/6/2015 |
| TW4-13 | 10/21/2015 | 11/6/2015 |
| TW4-14 | 10/21/2015 | 11/6/2015 |
| MW-26 | 10/19/2015 | 11/6/2015 |
| TW4-16 | 10/28/2015 | 11/19/2015 |
| MW-32 | 10/28/2015 | 11/19/2015 |
| TW4-18 | 10/28/2015 | 11/19/2015 |
| TW4-19 | 10/19/2015 | 11/6/2015 |
| TW4-20 | 10/19/2015 | 11/6/2015 |
| TW4-21 | 10/19/2015 | 11/6/2015 |
| TW4-22 | 10/19/2015 | 11/6/2015 |
| TW4-23 | 10/28/2015 | 11/19/2015 |
| TW4-24 | 10/19/2015 | 11/6/2015 |
| TW4-25 | 10/21/2015 | 11/6/2015 |
| TW4-26 | 10/28/2015 | 11/19/2015 |
| TW4-27 | 10/28/2015 | 11/19/2015 |
| TW4-28 | 10/21/2015 | 11/6/2015 |
| TW4-29 | 10/29/2015 | 11/19/2015 |
| TW4-30 | 10/28/2015 | 11/19/2015 |
| TW4-31 | 10/21/2015 | 11/6/2015 |
| TW4-32 | 10/21/2015 | 11/6/2015 |
| TW4-33 | 10/29/2015 | 11/19/2015 |
| TW4-33R | 10/28/2015 | 11/19/2015 |
| TW4-34 | 10/21/2015 | 11/6/2015 |
| TW4-35 | 10/28/2015 | 11/19/2015 |
| TW4-36 | 10/21/2015 | 11/6/2015 |
| TW4-37 | 10/19/2015 | 11/6/2015 |
| TW4-60 | 10/29/2015 | 11/19/2015 |
| TW4-65 | 10/21/2015 | 11/6/2015 |
| TW4-70 | 10/28/2015 | 11/19/2015 |

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

Date in parantheses is the date the analytical data package was resubmitted by the laboratory. The package was resubmitted due to a laboratory error in the field sample ID.

"R" following a well number deisgnates 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 TW4-12, and TW4-70 is a duplicate of TW4-23.

Highlighted wells are continuously pumped.

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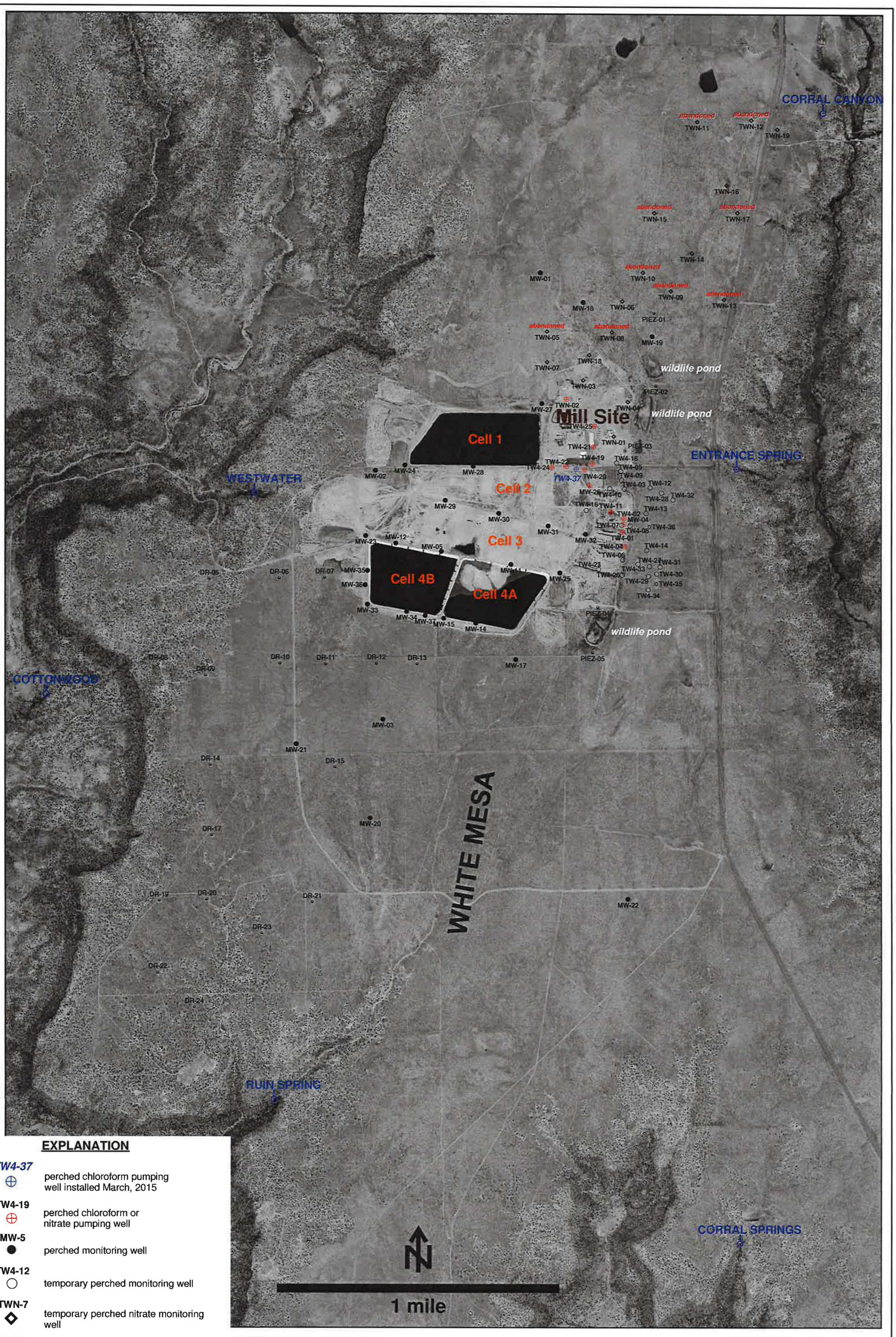
Tab A

Site Plan and Perched Well Locations White Mesa Site




## EXPLANATION

| | |
|---|---|
| TW4-37 ⊕ | perched chloroform pumping well installed March, 2015 |
| TW4-19 ⊕ | perched chloroform or nitrate pumping well |
| MW-5 ● | perched monitoring well |
| TW4-12 ○ | temporary perched monitoring well |
| TWN-7 ◇ | temporary perched nitrate monitoring well |
| PIEZ-1 ◒ | perched piezometer |
| TW4-35 ☼ | temporary perched monitoring well installed May, 2014 |
| RUIN SPRING | seep or spring |

HYDRO GEO CHEM, INC.

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

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/nov15/Uwelloc0915.srf | A-1 |

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 4th Quarter 2015 Chloroform Purging Event

| Well | Sample time | Chloroform Levels | Rinsate date/time | Water level | Well Depth | |
|---|---|---|---|---|---|---|
| TW4-03 | 10/21/15 0858 | ND | | | 141 | 3R 10/20/15 0650 |
| TW4-12 | 10/21/15 0915 | ND | | | 101.5 | |
| TW4-28 | 10/21/15 0930 | ND | | | 107 | |
| TW4-32 | 10/21/15 0938 | ND | | | 115.1 | |
| TW4-13 | 10/21/15 0948 | ND | | | 102.5 | |
| TW4-14 | 10/21/15 0957 | ND | | | 93 | |
| TW4-36 | 10/21/15 1006 | ND | | | 99 | |
| TW4-31 | 10/21/15 1210 | ND | | | 106 | |
| TW4-34 | 10/21/15 1217 | ND | | | 97.2 | |
| TW4-35 | 10/28/15 0802 | ND | | | 87.5 | |
| TW4-23 | 10/28/15 0810 | ND | | | 114 | |
| MW-32 | 10/28/15 ~~0821~~ | ND | 1400 | | 132.5 | Bladder pump |
| TW4-25 | 10/21/15 0842 | ND | | | 134.8 | Cont. Pumping |
| TW4-27 | 10/28/15 ~~0827~~ | 1.3 | 0821 | | 96 | |
| TW4-30 | 10/28/15 ~~0827~~ | 3.27 | 0827 | | 92.5 | |
| TW4-26 | 10/28/15 0837 | 4.77 | | | 86 | |
| TW4-05 | 10/28/15 0844 | 12.9 | | | 120 | |
| TW4-18 | 10/28/15 0852 | 28.7 | | | 137.5 | |
| TW4-24 | 10/19/15 1414 | 46.9 | | | 112.5 | Cont. Pumping |
| TW4-09 | 10/28/15 0900 | 48.2 | | | 120 | |
| TW4-16 | 10/28/15 0906 | 82 | | | 142 | |
| TW4-33 | 10/29/15 0800 | 123 | | | 87.9 | |
| TW4-29 | 10/29/15 0807 | 276 | | | 93.5 | 33R 10/28/15 0959 |
| TW4-21 | 10/19/15 1356 | 281 | | | 121 | |
| TW4-08 | 10/29/15 0815 | 747 | | | 125 | |
| TW4-07 | 10/29/15 0821 | 897 | | | 120 | |
| TW4-06 | 10/29/15 0826 | 1040 | | | 97.5 | |
| TW4-01 | 10/19/15 1517 | 1060 | | | 110 | |
| TW4-11 | 10/19/15 1455 | 1120 | | | 100 | |
| TW4-04 | 10/19/15 1524 | 1220 | | | 112 | Cont. Pumping |
| TW4-10 | 10/29/15 0835 | 1280 | | | 111 | |
| MW-04 | 10/19/15 1510 | 1290 | | | 124 | Cont. Pumping |
| TW4-02 | 10/19/15 1502 | 1310 | | | 120 | |
| MW-26 | 10/19/15 1447 | 2350 | | | 122.5 | Cont. Pumping |
| TW4-22 | 10/19/15 1426 | 7810 | | | 113.5 | Cont. Pumping |
| TW4-19 | 10/19/15 1345 | 7860 | | | 125 | Cont. Pumping |
| TW4-20 | 10/19/15 1440 | 17000 | | | 106 | Cont. Pumping |
| TW4-37 | 10/19/15 1434 | 19100 | | | 112 | Cont. Pumping |
| TW4-60 | D.I. Blank | 10/29/15 0900 | | | | |
| TW4-65 | Duplicate | TW4-12 | | | | |
| TW4-70 | Duplicate | TW4-23 | | | | |

Comments:

Name: _____ Date: _____

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): MW-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-04_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-02

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.00

Depth to Water Before Purging: 78.40

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 16.73 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1509 | Gal. Purged | 0 |
| Conductance | 1882 | pH | 6.94 |
| Temp. °C | 15.02 | | |
| Redox Potential Eh (mV) | 220 | | |
| Turbidity (NTU) | 1.0 | | |

| | | | |
|---|---|---|---|
| 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 = [4.6]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [7.27]

Number of casing volumes evacuated (if other than two) [0]

If well evacuated to dryness, number of gallons evacuated [0]

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL]

| 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:

Final Depth [83.49] Sample Time [1510]

See instruction

Comment

Arrived on site at 1506 Tanner and Garrin present to collect samples.
Samples collected at 1510 water was Clear
Left site at 1512

Continuous Pumping Well

MW-04 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-01_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: MW-04

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 77.05

Casing Volume (V) 4" Well: 21.51 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy, Raining

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1516 | Gal. Purged | 0 |
| Conductance | 3122 | pH | 7.11 |
| Temp. °C | 14.98 | | |
| Redox Potential Eh (mV) | 137 | | |
| Turbidity (NTU) | 1.9 | | |

| | | | |
|---|---|---|---|
| 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 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 16.50

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.60

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth ~~87.53'~~ 105.26

Sample Time 1517

See instruction

Comment

Arrived on site at 1513 Tanner and Garrin present to collect samples.
Samples collected at 1517 Water was clear
Left site at 1519

Continuous Pumping Well

TW4-01 10-19-2015 Do not touch this cell (SheetName)

ENERGY FUELS

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-02_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 77.20

Casing Volume (V) 4" Well: 27.94 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1501 | Gal. Purged | 0 |
| Conductance | 3544 | pH | 6.87 |
| Temp. °C | 15.12 | | |
| Redox Potential Eh (mV) | 223 | | |
| Turbidity (NTU) | 0.1 | | |

| | | | |
|---|---|---|---|
| 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 = 17.1

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.26

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 117.27 Sample Time 1502

See instruction

Comment

Arrived on site at 1458 Tanner and Garrin present to collect samples.
Samples collected at 1502 Water was clear
Left site at 1504

Continuous Pumping well

TW4-02 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-03_102/2015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-03R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 141.00

Depth to Water Before Purging 56.00

Casing Volume (V) 4" Well: 55.50 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 8°

| | | | |
|---|---|---|---|
| Time | 0712 | Gal. Purged | 84.33 |
| Conductance | 1730 | pH | 6.50 |
| Temp. °C | 14.50 | | |
| Redox Potential Eh (mV) | 329 | | |
| Turbidity (NTU) | 13.9 | | |

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

| | | | |
|---|---|---|---|
| Time | 0857 | Gal. Purged | 0 |
| Conductance | 1789 | pH | 6.65 |
| Temp. °C | 14.41 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0901 | Gal. Purged | 0 |
| Conductance | 1753 | pH | 6.66 |
| Temp. °C | 14.37 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 84.33 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.09

Number of casing volumes evacuated (if other than two) 1.51

If well evacuated to dryness, number of gallons evacuated 84.33

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 139.03 Sample Time 0858

See instruction

Comment

Arrived on site at 0701 Tanner and Garrin present for purge. Purge began at 0705 Purged well for a total of 7 minutes 40 seconds. Purged well dry! Purge ended at 0712 water was clear left site at 0715.

Arrived on site at 0854 Tanner and Garrin present to collect samples. Depth to Water was 56.35 samples bailed at 0858 Left site at 0902

TW4-03 10-20-2015 Do not touch this cell (SheetName)

ENERGYFUELS

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-03R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-03R_10202015

Date and Time for Purging 10/20/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 0

Depth to Water Before Purging 0

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

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 8°

| | | | |
|---|---|---|---|
| Time | 0649 | Gal. Purged | 132 |
| Conductance | 9.0 | pH | 7.50 |
| Temp. °C | 16.76 | | |
| Redox Potential Eh (mV) | 223 | | |
| Turbidity (NTU) | 1.0 | | |

| | | | |
|---|---|---|---|
| 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 = 11.0

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

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 0 Sample Time 0650

See instruction

Comment

Arrived on site at 0635 Tanner and Garrin present for Rinsate. Rinsate began at 0637
Pumped 50 Gallons of Soap water and 100 Gallons of DI Water
Samples collected at 0650 Left site at 0655

TW4-03R 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-04

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-04_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 70.20

Casing Volume (V) 4" Well: 27.29 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1523 | Gal. Purged | 0 |
| Conductance | 2378 | pH | 7.11 |
| Temp. °C | 14.89 | | |
| Redox Potential Eh (mV) | 124 | | |
| Turbidity (NTU) | 0.8 | | |

| | | | |
|---|---|---|---|
| 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 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.96

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 76.43 Sample Time 1524

See instruction

Comment

Arrived on site at 1520 Tanner and Garrin present to collect samples.
Samples collected at 1524 water was clear
Left site at 1527

Continuous Pumping well

TW4-04 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-05

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-05_10282015

Date and Time for Purging 10/27/2015 and Sampling (if different) 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 63.87

Casing Volume (V) 4" Well: 36.65 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 14°

| | | | |
|---|---|---|---|
| Time | 1254 | Gal. Purged | 60 |
| Conductance | 1557 | pH | 6.28 |
| Temp. °C | 15.35 | | |
| Redox Potential Eh (mV) | 367 | | |
| Turbidity (NTU) | 22 | | |

| | | | |
|---|---|---|---|
| Time | 1255 | Gal. Purged | 70 |
| Conductance | 1556 | pH | 6.28 |
| Temp. °C | 15.35 | | |
| Redox Potential Eh (mV) | 363 | | |
| Turbidity (NTU) | 21 | | |

| | | | |
|---|---|---|---|
| Time | 1256 | Gal. Purged | 80 |
| Conductance | 1537 | pH | 6.29 |
| Temp. °C | 15.33 | | |
| Redox Potential Eh (mV) | 361 | | |
| Turbidity (NTU) | 21 | | |

| | | | |
|---|---|---|---|
| Time | 1257 | Gal. Purged | 90 |
| Conductance | 1531 | pH | 6.31 |
| Temp. °C | 15.33 | | |
| Redox Potential Eh (mV) | 358 | | |
| Turbidity (NTU) | 22 | | |

Volume of Water Purged 90 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.33

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 65.35 Sample Time 0844

See instruction

Comment

Arrived on site at 1245 Tanner and Garrin present for purge. Purge began at 1248
Purged well for a total of 9 minutes. Purge ended at 1257.
water was clear. Left site at 1300

Arrived on site at 0841 Tanner and Garrin present to collect samples. Depth to
Water was 64.10 samples bailed at 0844 Left site at 0846

TW4-05 10-27-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-06

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-06_10292015

Date and Time for Purging: 10/28/2015 and Sampling (if different): 10/29/2015

Well Purging Equip Used: [X] pump or [ ] bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: [X] 2 casings [ ] 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-07

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 97.50

Depth to Water Before Purging: 71.55

Casing Volume (V) 4" Well: 16.94 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 13°

| | | | |
|---|---|---|---|
| Time | 1330 | Gal. Purged | 33.33 |
| Conductance | 3335 | pH | 6.38 |
| Temp. °C | 15.03 | | |
| Redox Potential Eh (mV) | 333 | | |
| Turbidity (NTU) | 270 | | |

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

| | | | |
|---|---|---|---|
| Time | 0825 | Gal. Purged | 0 |
| Conductance | 3511 | pH | 6.79 |
| Temp. °C | 13.80 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0827 | Gal. Purged | 0 |
| Conductance | 3516 | pH | 6.77 |
| Temp. °C | 13.76 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 33.33 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.38

Number of casing volumes evacuated (if other than two) 1.96

If well evacuated to dryness, number of gallons evacuated 33.33

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 94.27 Sample Time 0826

See instruction

Comment

Arrived on site at 1325 Tanner and Garrin present for purge. Purge began at 1327 Purged well for a total of 3 minutes and 20 seconds Purged well dry. Purge ended at 1330 water was murky with some sand particles. Left site at 1333

Arrived on site at 0823 Tanner and Garrin present to collect samples. Depth to water was 71.75 samples bailed at 0826 Left site at 0829

Do not touch this cell (SheetName)



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**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-07

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-07_10292015

Date and Time for Purging: 10/28/2015 and Sampling (if different): 10/29/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-08

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 75.25

Casing Volume (V) 4" Well: 29.22 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 12°

| | | | |
|---|---|---|---|
| Time | 1300 | Gal. Purged | 40 |
| Conductance | 1625 | pH | 6.56 |
| Temp. °C | 14.85 | | |
| Redox Potential Eh (mV) | 289 | | |
| Turbidity (NTU) | 13 | | |

| | | | |
|---|---|---|---|
| Time | 1301 | Gal. Purged | 50 |
| Conductance | 1622 | pH | 6.57 |
| Temp. °C | 14.83 | | |
| Redox Potential Eh (mV) | 287 | | |
| Turbidity (NTU) | 14 | | |

| | | | |
|---|---|---|---|
| Time | 1302 | Gal. Purged | 60 |
| Conductance | 1604 | pH | 6.58 |
| Temp. °C | 14.83 | | |
| Redox Potential Eh (mV) | 286 | | |
| Turbidity (NTU) | 15 | | |

Before

| | | | |
|---|---|---|---|
| Time | 1303 | Gal. Purged | 70 |
| Conductance | 1606 | pH | 6.60 |
| Temp. °C | 14.83 | | |
| Redox Potential Eh (mV) | 285 | | |
| Turbidity (NTU) | 15 | | |

After

Volume of Water Purged 70 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.84

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 117.28 Sample Time 0821

See instruction

Comment

Arrived on site at 1253 Tanner and Garrin present for purge. Purge began at 1256 Purged well for a total of ~~12~~ 7 minutes. Purge ended at 1303, water was clear. Left site at 1306

Arrived on site at 0818 Tanner and Garrin present to collect samples. Depth to water was 76.35 samples bailed at 0821 Left site at 0823

TW4-07 10-28-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-08

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-08_10292015

Date and Time for Purging 10/28/2015 and Sampling (if different) 10/29/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-29

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging 77.16

Casing Volume (V) 4" Well: 31.23 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 11°

| | | | |
|---|---|---|---|
| Time | 1226 | Gal. Purged | 50 |
| Conductance | 4876 | pH | 6.32 |
| Temp. °C | 14.94 | | |
| Redox Potential Eh (mV) | 361 | | |
| Turbidity (NTU) | 1.6 | | |

| | | | |
|---|---|---|---|
| Time | 1227 | Gal. Purged | 60 |
| Conductance | 4876 | pH | 6.33 |
| Temp. °C | 14.93 | | |
| Redox Potential Eh (mV) | 358 | | |
| Turbidity (NTU) | 1.6 | | |

| | | | |
|---|---|---|---|
| Time | 1228 | Gal. Purged | 70 |
| Conductance | 4873 | pH | 6.32 |
| Temp. °C | 14.93 | | |
| Redox Potential Eh (mV) | 357 | | |
| Turbidity (NTU) | 1.6 | | |

| | | | |
|---|---|---|---|
| Time | 1229 | Gal. Purged | 80 |
| Conductance | 4874 | pH | 6.32 |
| Temp. °C | 14.93 | | |
| Redox Potential Eh (mV) | 353 | | |
| Turbidity (NTU) | 1.6 | | |



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Volume of Water Purged 80 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.24

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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 | ☐ | ☒ | | ☐ | ☒ |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

Final Depth 83.10 Sample Time 0815

See instruction

Comment

Arrived on site at 1217 Tanner and Garrin present for purge. Purge started at 1221 Purged well for a total of 8 minutes- Purge ended at 1229. Water was clear Left site at 1231
Arrived on site at 0813 Tanner and Garrin present to collect samples. Depth to water was 77.31 Samples bailed at 0815 Left site at 0817

Do not touch this cell (SheetName)



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**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-09

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-09_10282015

Date and Time for Purging 10/27/2015 and Sampling (if different) 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 61.70

Casing Volume (V) 4" Well: 38.06 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 14°

| | | | |
|---|---|---|---|
| Time | 1433 | Gal. Purged | 60 |
| Conductance | 2495 | pH | 6.47 |
| Temp. °C | 14.99 | | |
| Redox Potential Eh (mV) | 322 | | |
| Turbidity (NTU) | 63 | | |

| | | | |
|---|---|---|---|
| Time | 1434 | Gal. Purged | 70 |
| Conductance | 2494 | pH | 6.49 |
| Temp. °C | 14.98 | | |
| Redox Potential Eh (mV) | 321 | | |
| Turbidity (NTU) | 63 | | |

| | | | |
|---|---|---|---|
| Time | 1435 | Gal. Purged | 80 |
| Conductance | 2494 | pH | 6.49 |
| Temp. °C | 14.98 | | |
| Redox Potential Eh (mV) | 317 | | |
| Turbidity (NTU) | 63 | | |

| | | | |
|---|---|---|---|
| Time | 1436 | Gal. Purged | 90 |
| Conductance | 2496 | pH | 6.50 |
| Temp. °C | 14.98 | | |
| Redox Potential Eh (mV) | 314 | | |
| Turbidity (NTU) | 63 | | |

Volume of Water Purged 90 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.61

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 74.70 Sample Time 0900

See instruction

Comment

Arrived on site at 1424. Tanner and Garrin present to ~~collect~~ purge. Purge began at 1427 Purged well for a total of 9 minutes. Purge ended at 1436 water was mostly Clear. Left site at 1439

Arrived on site at 0857 Tanner and Garrin present to collect samples. Depth to water was 61.85. Samples bailed at 0900 Left site at 0902

TW4-09 10-27-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-10

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-10_10292015

Date and Time for Purging: 10/28/2015 and Sampling (if different): 10/29/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-06

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 111.00

Depth to Water Before Purging: 61.38

Casing Volume (V) 4" Well: 32.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 14°

| | | | |
|---|---|---|---|
| Time | 1414 | Gal. Purged | 70 |
| Conductance | 2978 | pH | 6.13 |
| Temp. °C | 14.93 | | |
| Redox Potential Eh (mV) | 320 | | |
| Turbidity (NTU) | 22 | | |

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

| | | | |
|---|---|---|---|
| Time | 0834 | Gal. Purged | 0 |
| Conductance | 2888 | pH | 6.90 |
| Temp. °C | 13.70 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0836 | Gal. Purged | 0 |
| Conductance | 2899 | pH | 6.90 |
| Temp. °C | 13.66 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 70 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.48

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 70

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 108.97 Sample Time 0835

See instruction

Comment

Arrived on site at 1405 Tanner and Garrin present for purge. Purge began at 1407
Purged well for a total of 7 minutes. Purged well dry! Purge ended at 1414
water was clear. Left site at 1417
Arrived on site at 0832 Tanner and Garrin present to collect samples.
Depth to water was 61.28 samples bailed at 0835 Left site at 0838

TW4-10 10-28-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-11_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 100.00

Depth to Water Before Purging: 89.50

Casing Volume (V) 4" Well: 6.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1454 | Gal. Purged | 0 |
| Conductance | 3479 | pH | 6.92 |
| Temp. °C | 14.68 | | |
| Redox Potential Eh (mV) | 179 | | |
| Turbidity (NTU) | 1.4 | | |

| | | | |
|---|---|---|---|
| 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 = 16.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = .85

Number of casing volumes evacuated (if other than two): 0

If well evacuated to dryness, number of gallons evacuated: 0

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL

| 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:

Final Depth: 98.01

Sample Time: 1455

See instruction

Comment

Arrived on site at 1451 Tanner and Garrin present to collect samples.
Samples collected at 1455 water was clear
Left site at 1457

Continuous Pumping well

TW4-11 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-12_10212015

Date and Time for Purging: 10/20/2015 and Sampling (if different): 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 101.50

Depth to Water Before Purging: 45.41

Casing Volume (V) 4" Well: 36.62 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 9°

| | | | |
|---|---|---|---|
| Time | 0744 | Gal. Purged | 55 |
| Conductance | 1358 | pH | 6.84 |
| Temp. °C | 14.74 | | |
| Redox Potential Eh (mV) | 282 | | |
| Turbidity (NTU) | 8.6 | | |

| | | | |
|---|---|---|---|
| Time | | Gal. Purged | |
| Conductance | ~~1353.~~ | pH | ~~6.85~~ |
| Temp. °C | ~~14.62~~ | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

| | | | |
|---|---|---|---|
| Time | 0914 | Gal. Purged | 0 |
| Conductance | 1347 | pH | 6.75 |
| Temp. °C | 13.86 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0922 | Gal. Purged | 0 |
| Conductance | 1353 | pH | 6.85 |
| Temp. °C | 14.62 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After



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Volume of Water Purged 55 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.65

Number of casing volumes evacuated (if other than two) 1.50

If well evacuated to dryness, number of gallons evacuated 55

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 99.34 Sample Time 0915

See instruction

Comment

Arrived on site at 0737 Tanner and Garrin present for purge. Purge began at 0739 Purged well for a total of 5 minutes. Purged well dry. Purge ended at 0744. water was clear. Left site at 0746

Arrived on site at 0911 Tanner and Garrin present to collect samples. Depth to water was 45.50 samples bailed at 0915 Left site at 0924

Do not touch this cell (SheetName)



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**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-13

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-13_10212015

Date and Time for Purging: 10/20/2015 and Sampling (if different): 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 102.50

Depth to Water Before Purging: 51.14

Casing Volume (V) 4" Well: 33.53 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 11°

| | | | |
|---|---|---|---|
| Time | 0945 | Gal. Purged | 49.50 |
| Conductance | 1985 | pH | ~~1925~~ 6.14 |
| Temp. °C | 14.91 | | |
| Redox Potential Eh (mV) | 390 | | |
| Turbidity (NTU) | 10.2 | | |

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

| | | | |
|---|---|---|---|
| Time | 0947 | Gal. Purged | 0 |
| Conductance | 1927 | pH | 6.90 |
| Temp. °C | 13.86 | | |
| Redox Potential Eh (mV) | ~~372~~ | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0952 | Gal. Purged | 0 |
| Conductance | 1962 | pH | 6.94 |
| Temp. °C | 13.98 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 49.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.09

Number of casing volumes evacuated (if other than two) 1.47

If well evacuated to dryness, number of gallons evacuated 49.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 100.14 Sample Time 0948

See instruction

Comment

Arrived on site at 0938 Tanner and Garrin present for purge. Purge began at 0941 Purged well for a total of 4 minutes and 30 seconds. Purged well dry. Purge ended at 0945. Water was mostly clear. Left site at 0947

Arrived on site at 0943 Tanner and Garrin present to collect samples. Depth to water was 51.35 samples bailed at 0948 Left site at 0952

TW4-13 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-14

Sampler Name and initials: Tanner Holliday

Field Sample ID TW4-14_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 93.00

Depth to Water Before Purging 80 58

Casing Volume (V) 4" Well: 8.11 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 11°

| | | | |
|---|---|---|---|
| Time | 1013 | Gal. Purged | 11 |
| Conductance | 5148 | pH | 5.60 |
| Temp. °C | 15.20 | | |
| Redox Potential Eh (mV) | 423 | | |
| Turbidity (NTU) | 50 | | |

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

| | | | |
|---|---|---|---|
| Time | 0956 | Gal. Purged | 0 |
| Conductance | 5112 | pH | 6.92 |
| Temp. °C | 14.21 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 1000 | Gal. Purged | 0 |
| Conductance | 5211 | pH | 6.90 |
| Temp. °C | 14.21 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 11 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.47

Number of casing volumes evacuated (if other than two) 1.35

If well evacuated to dryness, number of gallons evacuated 11

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 90.91 Sample Time 0957

See instruction

Comment

Arrived on site at 1010 Tanner and Garrin present for purge. Purge began at 1012
Purged well for a total of 1 minute. Purged well dry! Purge ended at 1013
Water was a little murky Left site at 1015

Arrived on site at 0953 Tanner and Garrin present to collect samples. Depth to water was 80.66 Samples bailed at 0957 Left site at 1001

Do not touch this cell (SheetName)



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ENERGY FUELS

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_10192015

Date and Time for Purging 10/19/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 122.50

Depth to Water Before Purging 63.45

Casing Volume (V) 4" Well: 38.55 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

| | | | |
|---|---|---|---|
| Time | 1446 | Gal. Purged | 6 |
| Conductance | 3424 | pH | 6.67 |
| Temp. °C | 15.33 | | |
| Redox Potential Eh (mV) | 196 | | |
| Turbidity (NTU) | 28.0 | | |

| | | | |
|---|---|---|---|
| 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 = 8.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.63

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 70.49 Sample Time 1447

See instruction

Comment

Arrived on site at 1443 Tanner and Garrin present to collect samples
Samples collected at 1447 Water was a little milky white color.
Left site at 1449

Continuous Pumping well

MW-26 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-16

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-16_10282015

Date and Time for Purging 10/27/2015 and Sampling (if different) 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-09

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 142.00

Depth to Water Before Purging 63.40

Casing Volume (V) 4" Well: 51.32 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 14°

| | | | |
|---|---|---|---|
| Time | 1507 | Gal. Purged | 80 |
| Conductance | 3707 | pH | 6.58 |
| Temp. °C | 14.79 | | |
| Redox Potential Eh (mV) | 259 | | |
| Turbidity (NTU) | 162 | | |

| | | | |
|---|---|---|---|
| Time | 1508 | Gal. Purged | 90 |
| Conductance | 3709 | pH | 6.59 |
| Temp. °C | 14.79 | | |
| Redox Potential Eh (mV) | 255 | | |
| Turbidity (NTU) | 162 | | |

| | | | |
|---|---|---|---|
| Time | ~~19~~ 1509 1509 | Gal. Purged | 100 |
| Conductance | 3709 | pH | 6.59 |
| Temp. °C | 14.77 | | |
| Redox Potential Eh (mV) | 253 | | |
| Turbidity (NTU) | 160 | | |

| | | | |
|---|---|---|---|
| Time | 1510 | Gal. Purged | 110 |
| Conductance | 3711 | pH | 6.60 |
| Temp. °C | 14.76 | | |
| Redox Potential Eh (mV) | 250 | | |
| Turbidity (NTU) | 159 | | |

Volume of Water Purged 110 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.26

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 132.81 Sample Time 0906

See instruction

Comment

Arrived on site at 1456 Tanner and Garrin present for purge. Purge began at 1459
Purged well for a total of 11 minutes. Purge ended at 1510
Water was murky. Left site at 1513
Arrived on site at 0903 Tanner and Garrin present to collect samples. Depth to water was 63.69 samples bailed at 0906 Left site at 0908

TW4-16 10-27-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_10282015

Date and Time for Purging: 10/28/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 76.28

Casing Volume (V) 4" Well: 36.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

| | | | |
|---|---|---|---|
| Time | 1357 | Gal. Purged | 77.46 |
| Conductance | 3913 | pH | 6.45 |
| Temp. °C | 15.03 | | |
| Redox Potential Eh (mV) | 284 | | |
| Turbidity (NTU) | 23 | | |

| | | | |
|---|---|---|---|
| Time | 1358 | Gal. Purged | 77.68 |
| Conductance | 3926 | pH | 6.44 |
| Temp. °C | 14.86 | | |
| Redox Potential Eh (mV) | 278 | | |
| Turbidity (NTU) | 24 | | |

| | | | |
|---|---|---|---|
| Time | 1359 | Gal. Purged | 77.90 |
| Conductance | 3927 | pH | 6.43 |
| Temp. °C | 14.78 | | |
| Redox Potential Eh (mV) | 268 | | |
| Turbidity (NTU) | 23 | | |

| | | | |
|---|---|---|---|
| Time | 1400 | Gal. Purged | 78.12 |
| Conductance | 3925 | pH | 6.43 |
| Temp. °C | 14.75 | | |
| Redox Potential Eh (mV) | 262 | | |
| Turbidity (NTU) | 24 | | |

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 = 338.35

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 82.58 Sample Time 1400

See instruction

Comment

Arrived on site at 0756. Tanner and Garrin present for purge and sampling event.
Purge began at 0800. Purged well for a total of 360 minutes.
Purge ended and samples collected at 1400. Water was a little murky
Left site at 1403

MW-32 10-28-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-18_10282015

Date and Time for Purging: 10/27/2015 and Sampling (if different): 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 137.50

Depth to Water Before Purging: 64.71

Casing Volume (V) 4" Well: 47.53 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 14°

| | | | |
|---|---|---|---|
| Time | 1352 | Gal. Purged | 80 |
| Conductance | 1978 | pH | 6.18 |
| Temp. °C | 15.41 | | |
| Redox Potential Eh (mV) | 358 | | |
| Turbidity (NTU) | 107 | | |

| | | | |
|---|---|---|---|
| Time | 1353 | Gal. Purged | 90 |
| Conductance | 1968 | pH | 6.20 |
| Temp. °C | 15.41 | | |
| Redox Potential Eh (mV) | 356 | | |
| Turbidity (NTU) | 107 | | |

| | | | |
|---|---|---|---|
| Time | 1354 | Gal. Purged | 100 |
| Conductance | 1952 | pH | 6.21 |
| Temp. °C | 15.41 | | |
| Redox Potential Eh (mV) | 352 | | |
| Turbidity (NTU) | 107 | | |

| | | | |
|---|---|---|---|
| Time | 1355 | Gal. Purged | 110 |
| Conductance | 1940 | pH | 6.21 |
| Temp. °C | 15.41 | | |
| Redox Potential Eh (mV) | 350 | | |
| Turbidity (NTU) | 106 | | |

Volume of Water Purged 110 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.50

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 65.10 Sample Time 0852

See instruction

Comment

Arrived on site at 1342 Tanner and Garrin present for purge. Purge began at 1344. Purged well for a total of ~~to~~ 11 minutes. Purge ended at 1355. Water was a little murky. Left site at 1358
Arrived on site at 0849 Tanner and Garrin present to collect samples. Depth to water was 64.85 samples bailed at 0852 Left site at 0854

TW4-18 10-27-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-19_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-04

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 125.00

Depth to Water Before Purging: 64.00

Casing Volume (V) 4" Well: 39.83 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1345 | Gal. Purged | 0 |
| Conductance | 4466 | pH | 6.73 |
| Temp. °C | 15.70 | | |
| Redox Potential Eh (mV) | 243 | | |
| 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 = 18.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.42

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 79.86 Sample Time 1345

See instruction

Comment

Arrived on site at 1340. Tanner and Garrin present to collect samples
Samples collected at 1345. Water was clear.
Left site at 1350.

Continuous Pumping Well

TW4-19 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4TH Quarter Chloroform 2015

Location (well name): TW4-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-20_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-37

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging: 67.98

Casing Volume (V) 4" Well: 24.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1439 | Gal. Purged | 0 |
| Conductance | 3923 | pH | 6.30 |
| Temp. °C | 16.10 | | |
| Redox Potential Eh (mV) | 259 | | |
| Turbidity (NTU) | 4.0 | | |

| | | | |
|---|---|---|---|
| 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 = 8.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.20

Number of casing volumes evacuated (if other than two): 0

If well evacuated to dryness, number of gallons evacuated: 0

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL

| 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:

Final Depth: 73.48

Sample Time: 1440

See instruction

Comment

Arrived on site at 1436 Tanner and Garrin present to collect samples.
Samples collected at 1440 Water was mostly clear, with little orange things floating.
Left site at 1442

Continuous Pumping Well

TW4-20 10-19-2015 Do not touch this cell (SheetName)

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): ~~TW4-21-10~~ TW4-21

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-21_10192015

Date and Time for Purging: 10/19/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.00

Depth to Water Before Purging: 66.25

Casing Volume (V) 4" Well: 35.75 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 17°

| | | | |
|---|---|---|---|
| Time | 1355 | Gal. Purged | 0 |
| Conductance | 4491 | pH | 6.20 |
| Temp. °C | 16.61 | | |
| Redox Potential Eh (mV) | 367 | | |
| Turbidity (NTU) | 1.1 | | |

| | | | |
|---|---|---|---|
| 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 = 16.4

Time to evacuate two casing volumes (2V)
T = 2V/Q = 4.35

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 73.85 Sample Time 1356

See instruction

Comment

Arrived on site at 1353 Tanner and Garrin present to collect Samples.
Samples collected at 1356 Water was clear
Left site at 1359

Continuous Pumping well

TW4-21 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-22_10192015

Date and Time for Purging 10/19/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 113.50

Depth to Water Before Purging 60.92

Casing Volume (V) 4" Well: 34.33 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

| | | | |
|---|---|---|---|
| Time | 1425 | Gal. Purged | 0 |
| Conductance | 5429 | pH | 6.68 |
| Temp. °C | 16.10 | | |
| Redox Potential Eh (mV) | 275 | | |
| Turbidity (NTU) | 1.0 | | |

| | | | |
|---|---|---|---|
| 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 = [17.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [4.03]

Number of casing volumes evacuated (if other than two) [0]

If well evacuated to dryness, number of gallons evacuated [0]

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL]

| 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:

Final Depth [106.11] Sample Time [1426]

See instruction

Comment

Arrived on site at 1422 Tanner and Garrin present to collect samples
Samples collected at 1426 Water was clear
Left site at 1428
Continuous Pumping well

TW4-22 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TW4-23_10212015~~ ~~TW4-28~~ TW4-23_10282015

Date and Time for Purging: ~~10/20/2015~~ 10/27/2015 and Sampling (if different): ~~10/21/2015~~ 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging: 68.70

Casing Volume (V) 4" Well: 29.58 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): ~~15°~~ 11°

| | | | |
|---|---|---|---|
| Time | 0944 | Gal. Purged | 60 |
| Conductance | 3635 | pH | 6.26 |
| Temp. °C | 14.27 | | |
| Redox Potential Eh (mV) | 284 | | |
| Turbidity (NTU) | ~~284~~ 49 | | |

| | | | |
|---|---|---|---|
| Time | 0945 | Gal. Purged | 70 |
| Conductance | 3631 | pH | 6.25 |
| Temp. °C | 14.27 | | |
| Redox Potential Eh (mV) | 277 | | |
| Turbidity (NTU) | 48 | | |

| | | | |
|---|---|---|---|
| Time | 0946 | Gal. Purged | 80 |
| Conductance | 3630 | pH | 6.25 |
| Temp. °C | 14.27 | | |
| Redox Potential Eh (mV) | 273 | | |
| Turbidity (NTU) | 48 | | |

| | | | |
|---|---|---|---|
| Time | 0947 | Gal. Purged | 90 |
| Conductance | 3631 | pH | 6.24 |
| Temp. °C | 14.27 | | |
| Redox Potential Eh (mV) | 270 | | |
| Turbidity (NTU) | 50 | | |

Volume of Water Purged 90 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.91

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 85.80 Sample Time 0810

See instruction

Comment

Arrived on site at 0934 Tanner and Garrin present for purge. Purge began at 0938 Purged well for a total of ~~40~~ 9 minutes. Purge ended at 0947 water was a little orange, but slowly cleared. Left site at 0950
Arrived on site at 0807 Tanner and Garrin present to collect samples. Depth to water was 68.62 samples bailed at 0810 Left site at 0812

TW4-23 10-27-2015 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-24_10192015

Date and Time for Purging 10/19/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 112.50

Depth to Water Before Purging 62.10

Casing Volume (V) 4" Well: 32.91 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

| | | | |
|---|---|---|---|
| Time | 1413 | Gal. Purged | 0 |
| Conductance | 7905 | pH | 6.51 |
| Temp. °C | 16.49 | | |
| Redox Potential Eh (mV) | 327 | | |
| Turbidity (NTU) | 2.1 | | |

| | | | |
|---|---|---|---|
| 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 = [16.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [4.11]

Number of casing volumes evacuated (if other than two) [0]

If well evacuated to dryness, number of gallons evacuated [0]

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL]

| 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:

Final Depth [90.02] Sample Time [1414]

See instruction

Comment

Arrived on site at 1410 Tanner and Garrin present to collect samples.
Samples collected at 1414 water was clear
Left site at 1419

Continuous Pumping well

TW4-24 10-19-2013 Do not touch this cell (SheetName)

ENERGY FUELS

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform

Location (well name): ~~TW4-25_1~~ TW4-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-25_10212015

Date and Time for Purging: 10/21/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-34

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 134.80

Depth to Water Before Purging: 62.85

Casing Volume (V) 4" Well: 46.98 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy, Raining

Ext'l Amb. Temp. °C (prior sampling event): 8°

| | | | |
|---|---|---|---|
| Time | 0841 | Gal. Purged | 0 |
| Conductance | 2545 | pH | 5.99 |
| Temp. °C | 15.06 | | |
| Redox Potential Eh (mV) | 388 | | |
| Turbidity (NTU) | 2.9 | | |

| | | | |
|---|---|---|---|
| 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 [0] gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = [15.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [6.26]

Number of casing volumes evacuated (if other than two) [0]

If well evacuated to dryness, number of gallons evacuated [0]

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL]

| 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:

Final Depth [85.35] Sample Time [0842]

See instruction

Comment

Arrived on site at 0838 Tanner and Garrin present to collect samples.
Samples collected at 0842 water was clear
Left site at 0845

Continuous Pumping Well

TW4-25 10-21-2015 Do not touch this cell (SheetName)

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-26

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: TW4-26_10282015

Date and Time for Purging: 10/27/2015 and Sampling (if different): 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 86.00

Depth to Water Before Purging: 66.06

Casing Volume (V) 4" Well: 13.02 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 13°

| | | | |
|---|---|---|---|
| Time | 1221 | Gal. Purged | 20 |
| Conductance | 6473 | pH | 3.99 |
| Temp. °C | 15.50 | | |
| Redox Potential Eh (mV) | 483 | | |
| Turbidity (NTU) | 12.3 | | |

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

| | | | |
|---|---|---|---|
| Time | 0836 | Gal. Purged | 0 |
| Conductance | 6612 | pH | 4.63 |
| Temp. °C | 13.51 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0838 | Gal. Purged | 0 |
| Conductance | 6614 | pH | 4.60 |
| Temp. °C | 13.54 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 20 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.60

Number of casing volumes evacuated (if other than two) 1.53

If well evacuated to dryness, number of gallons evacuated 20

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 83.86 Sample Time 0837

See instruction

Comment

Arrived on site at 1216 Tanner and Garrin present for purge. Purge began at 1219 Purged well for a total of 2 minutes. Purged well dry! Purge ended at 1221 Water was clear. Left site at 1223

Arrived on site at 0833 Tanner and Garrin present to collect samples. Depth to water was 66.28 samples bailed at 0837 Left site at 0839

Do not touch this cell (SheetName)



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**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-27

Sampler Name and initials: Tunner Holliday/TH

Field Sample ID TW4-27_10282015

Date and Time for Purging 10/27/2015 and Sampling (if different) 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 96.00

Depth to Water Before Purging 79.85

Casing Volume (V) 4" Well: 10.54 (.653h) 26.66
3" Well: 0 (.367h) 21.08

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 13°

| | | | |
|---|---|---|---|
| Time | 1013 | Gal. Purged | 13.33 |
| Conductance | 5248 | pH | 6.23 |
| Temp. °C | 15.27 | | |
| Redox Potential Eh (mV) | 391 | | |
| Turbidity (NTU) | 74 | | |

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

| | | | |
|---|---|---|---|
| Time | 0820 | Gal. Purged | 0 |
| Conductance | 5273 | pH | 6.36 |
| Temp. °C | 13.85 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0822 | Gal. Purged | 0 |
| Conductance | 5277 | pH | 6.36 |
| Temp. °C | 13.83 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After



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Volume of Water Purged 13.33 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.10

Number of casing volumes evacuated (if other than two) 1.26

If well evacuated to dryness, number of gallons evacuated 13.33

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 93.92 Sample Time 0821

See instruction

Comment

Arrived on site at 1009 Tanner and Garrin present for purge. Purge began at 1012 Purged well for a total of 1 minute 20 Seconds Purged well dry! Purge ended at 1013 water was mostly Clear Left site at 1016

Arrived on site at 0817 Tanner and Garrin present to collect samples. Depth to water was 80.22 samples bailed at 0821 Left site at 0823

Do not touch this cell (SheetName)



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**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-28_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 107.00

Depth to Water Before Purging 39.45

Casing Volume (V) 4" Well: 44.11 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 9°

| | | | |
|---|---|---|---|
| Time | 0828 | Gal. Purged | 71.50 |
| Conductance | 1282 | pH | 6.89 |
| Temp. °C | ~~6.87~~ 14.64 | | |
| Redox Potential Eh (mV) | 291 | | |
| Turbidity (NTU) | 29 | | |

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

| | | | |
|---|---|---|---|
| Time | 0929 | Gal. Purged | 0 |
| Conductance | 1294 | pH | 6.90 |
| Temp. °C | 13.99 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0932 | Gal. Purged | 0 |
| Conductance | 1290 | pH | 6.95 |
| Temp. °C | 14.02 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 71.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 8.02

Number of casing volumes evacuated (if other than two) 1.62

If well evacuated to dryness, number of gallons evacuated 71.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 104.47 Sample Time 0930

See instruction

Comment

Arrived on site at 0818 Tanner and Garrin present for purge. Purge began at 0822 Purged well for a total of 6 minutes and 30 seconds. Purged well dry. Purge ended at 0828. Left site at 0831. water was a little murky.

Arrived on site at 0926 Tanner and Garrin present to collect samples. Depth to water was 39.50 samples bailed at 0930 Left site at 0932

TW4-28 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-29_10292015

Date and Time for Purging: 10/28/2015 and Sampling (if different): 10/29/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-33

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 93.50

Depth to Water Before Purging: 73.38

Casing Volume (V) 4" Well: 13.13 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

| | | | |
|---|---|---|---|
| Time | 1039 | Gal. Purged | 20 |
| Conductance | 4335 | pH | 6.04 |
| Temp. °C | 14.75 | | |
| Redox Potential Eh (mV) | 389 | | |
| Turbidity (NTU) | 12 | | |

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

| | | | |
|---|---|---|---|
| Time | 0806 | Gal. Purged | 0 |
| Conductance | 4359 | pH | 6.76 |
| Temp. °C | 14.12 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0808 | Gal. Purged | 0 |
| Conductance | 4369 | pH | 6.76 |
| Temp. °C | 14.09 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 20 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.62

Number of casing volumes evacuated (if other than two) 1.52

If well evacuated to dryness, number of gallons evacuated 20

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 91.02 Sample Time 0807

See instruction

Comment

Arrived on site at 1035 Tanner and Garrin present for purge. Purge began at 1037 Purged well for a total of 2 minutes. Purged well dry! Purge ended at 1039 Water was clear. Left site at 1041

Arrived on site at 0804 Tanner and Garrin present to collect samples. Depth to Water was 73.20 Samples bailed at 0807 Left site at 0810

TW4-29 10-28-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-30_10282015

Date and Time for Purging: 10/27/2015 and Sampling (if different): 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 92.50

Depth to Water Before Purging: 76.05

Casing Volume (V) 4" Well: 10.74 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 13°

| | | | |
|---|---|---|---|
| Time | 1041 | Gal. Purged | 18.50 |
| Conductance | 4284 | pH | 6.00 |
| Temp. °C | 15.20 | | |
| Redox Potential Eh (mV) | 443 | | |
| Turbidity (NTU) | 21 | | |

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

| | | | |
|---|---|---|---|
| Time | 0826 | Gal. Purged | 0 |
| Conductance | 4462 | pH | 6.41 |
| Temp. °C | 13.65 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0828 | Gal. Purged | 0 |
| Conductance | 4466 | pH | 6.38 |
| Temp. °C | 13.67 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 18.50 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.14

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

If well evacuated to dryness, number of gallons evacuated 18.50

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 89.97 Sample Time 0827

See instruction

Comment

Arrived on site at 1036 Tanner and Garrin present for purge. Purge began at 1039 Purged well for a total of 1 minute 45 seconds. Purged well dry. Purge ended at 1041. Water was mostly clear. Left site at 1043
Arrived on site at 0823 Tanner and Garrin present to collect samples. Depth to water was 76.14 samples bailed at 0827 Left site at 0830

TW4-30 10-27-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-31_10212015

Date and Time for Purging: 10/20/2015 and Sampling (if different): 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 106.00

Depth to Water Before Purging: 80.10

Casing Volume (V) 4" Well: 16.91 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 13°

| | | | |
|---|---|---|---|
| Time | 1308 | Gal. Purged | 19.25 |
| Conductance | 4794 | pH | 5.97 |
| Temp. °C | 15.31 | | |
| Redox Potential Eh (mV) | 398 | | |
| Turbidity (NTU) | 123 | | |

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

| | | | |
|---|---|---|---|
| Time | 1209 | Gal. Purged | 0 |
| Conductance | 4846 | pH | 6.90 |
| Temp. °C | 14.92 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 1211 | Gal. Purged | 0 |
| Conductance | 4842 | pH | 6.90 |
| Temp. °C | 14.95 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 19.25 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.07

Number of casing volumes evacuated (if other than two) 1.13

If well evacuated to dryness, number of gallons evacuated 19.25

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 103.81 Sample Time 1210

See instruction

Comment

Arrived on site at 1303 Tanner and Garrin present for purge. Purge began at 1306 Purged well for a total of 1 minute 45 seconds. Purged well dry! Purge ended at 1308 water was murky. Left site at 1311

Arrived on site at 1208 Tanner and Garrin present to collect samples. Depth to water was 80.22 Samples bailed at 1210 Left site at 1213

TW4-31 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-32

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-32_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-28

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 115.10

Depth to Water Before Purging 50.86

Casing Volume (V) 4" Well: 41.94 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy, Raining

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

| | | | |
|---|---|---|---|
| Time | 0903 | Gal. Purged | 66 |
| Conductance | 7572 | pH | 3.65 |
| Temp. °C | 14.68 | | |
| Redox Potential Eh (mV) | 412 | | |
| Turbidity (NTU) | 8.7 | | |

| | | | |
|---|---|---|---|
| Time | 0904 | Gal. Purged | 77 |
| Conductance | 7587 | pH | 3.64 |
| Temp. °C | 14.68 | | |
| Redox Potential Eh (mV) | 412 | | |
| Turbidity (NTU) | 8.6 | | |

| | | | |
|---|---|---|---|
| Time | 0905 | Gal. Purged | 88 |
| Conductance | 7599 | pH | 3.64 |
| Temp. °C | 14.68 | | |
| Redox Potential Eh (mV) | 411 | | |
| Turbidity (NTU) | 8.4 | | |

| | | | |
|---|---|---|---|
| Time | 0906 | Gal. Purged | ~~88~~ 99 |
| Conductance | 7602 | pH | 3.64 99 |
| Temp. °C | 14.68 | | |
| Redox Potential Eh (mV) | 410 | | |
| Turbidity (NTU) | 8.2 | | |

Volume of Water Purged 99 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.62

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 82.05 Sample Time 0938

See instruction

Comment

Arrived on site at 0854 Tanner and Garrin present for purge. Purge began at 0857
Purged well for a total of 9 minutes. Purge ended at 0906
water was clear. Left site at 0908

Arrived on site at 0934 Tanner and Garrin present to collect samples. Depth to water was 50.84 Samples bailed at 0938 Left site at 0942

TW4-32 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4th Quarter Chloroform 2015

Location (well name): TW4-33

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-33_10292015

Date and Time for Purging: 10/28/2015 and Sampling (if different): 10/29/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-33R

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 87.90

Depth to Water Before Purging: 72.11

Casing Volume (V) 4" Well: 10.31 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

| | | | |
|---|---|---|---|
| Time | 1010 | Gal. Purged | 13.33 |
| Conductance | 4546 | pH | 5.60 |
| Temp. °C | 14.60 | | |
| Redox Potential Eh (mV) | 435 | | |
| Turbidity (NTU) | 14 | | |

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

| | | | |
|---|---|---|---|
| Time | 0759 | Gal. Purged | 0 |
| Conductance | ~~1971~~ 4530 | pH | 6.33 |
| Temp. °C | 15.70 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0801 | Gal. Purged | 0 |
| Conductance | 4528 | pH | 6.38 |
| Temp. °C | 15.57 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 13.33 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 2.06

Number of casing volumes evacuated (if other than two) 1.29

If well evacuated to dryness, number of gallons evacuated 13.33

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 85.25 Sample Time 0800

See instruction

Comment

Arrived on site at 1006 Tanner and Garrin present for purge. Purge began at 1009 Purged well for a total of 1 minute 20 seconds. Purged well dry! Purge ended at 1010 water was clear. Left site at 1012

Arrived on site at 0757 Tanner and Garrin present to collect samples. Depth to water was 71.96 samples bailed at 0800 Left site at 0803

TW4-33 10-28-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-33R

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-33R_10282015

Date and Time for Purging 10/28/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event MW-32

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 0

Depth to Water Before Purging 0

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

Weather Cond. Sunny

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

| | | | |
|---|---|---|---|
| Time | 0958 | Gal. Purged | 130 |
| Conductance | 12.1 | pH | 6.50 |
| Temp. °C | 16.35 | | |
| Redox Potential Eh (mV) | 471 | | |
| 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) | | | |



capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 150 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

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

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 0 Sample Time 0959

See instruction

Comment

Arrived on site at 0942 Tanner and Garrin present for rinsate
Rinsate began at 0945 Pumped 50 Gallons of soap water
and 100 Gallons of DI water. Samples collected at 0959
Left site at 1001

Do not touch this cell (SheetName)



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# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-34

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-34_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-31

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 97.20

Depth to Water Before Purging 71.25

Casing Volume (V) 4" Well: 16.94 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 14°

| | | | |
|---|---|---|---|
| Time | 1335 | Gal. Purged | 25.66 |
| Conductance | 3971 | pH | 6.05 |
| Temp. °C | 15.05 | | |
| Redox Potential Eh (mV) | 370 | | |
| Turbidity (NTU) | 40 | | |

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

| | | | |
|---|---|---|---|
| Time | 1216 | Gal. Purged | 0 |
| Conductance | 4007 | pH | 6.88 |
| Temp. °C | 14.73 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 1218 | Gal. Purged | 0 |
| Conductance | 4005 | pH | 6.87 |
| Temp. °C | 14.75 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 25.66 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.08

Number of casing volumes evacuated (if other than two) 1.51

If well evacuated to dryness, number of gallons evacuated 25.66

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 94.25 Sample Time 1217

See instruction

Comment

Arrived on site at 1331 Tanner and Garrin Present for purge. Purge began at 1333 Purged well for a total of 2 minutes 20 seconds. Purged well dry. Purge ended at 1335 water was mostly Clear. Left site at 1338

Arrived on site at 1214 Tanner and Garrin present to collect samples. Depth to water was 71.35 samples bailed at 1217 Left site at 1219

TW4-34 10-20-2013 Do not touch this cell (SheetName)

# ATTACHMENT 1-2
# WHITE MESA URANIUM MILL
# FIELD DATA WORKSHEET FOR GROUNDWATER

See instruction

Description of Sampling Event: 4Th Quarter ~~4th~~ Chloroform 2015

Location (well name): TW4-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TW4-35_10212015~~ TW4-35 TW4-35_10282015

Date and Time for Purging: ~~10/20/2015~~ 10/27/2015 and Sampling (if different): ~~10/21/2015~~ 10/28/2015 10/28/2015

Well Purging Equip Used: [X] pump or [ ] bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: [X] 2 casings [ ] 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: ~~TW4-34~~ TW4-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 87.50

Depth to Water Before Purging: 74.05

Casing Volume (V) 4" Well: 8.78 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): ~~14°~~ 10°

| | | | |
|---|---|---|---|
| Time | 0901 | Gal. Purged | 10 |
| Conductance | 4393 | pH | 5.96 |
| Temp. °C | 14.83 | | |
| Redox Potential Eh (mV) | 448 | | |
| Turbidity (NTU) | 33 | | |

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

| | | | |
|---|---|---|---|
| Time | 0801 | Gal. Purged | 0 |
| Conductance | 4424 | pH | 6.45 |
| Temp. °C | 14.63 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 0803 | Gal. Purged | 0 |
| Conductance | 4430 | pH | 6.43 |
| Temp. °C | 14.66 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 10 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = ~~10~~ 10.0 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 1.75

Number of casing volumes evacuated (if other than two) 1.13

If well evacuated to dryness, number of gallons evacuated 10

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 83.86 Sample Time 0802

See instruction

Comment

Arrived on site at 0857 Tanner and Garrin present for purge. Purge began at 0900
Purged well for a total of 1 minute. Purged well dry! Purge ended at 0901
Left site at 0903. water was mostly clear.

Arrived on site at 0758 Tanner and Garrin present to collect samples. Depth to water was 74.12 Samples bailed at 0802 Left site at 0804

Do not touch this cell (SheetName)



capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-36_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 99.00

Depth to Water Before Purging 56.41

Casing Volume (V) 4" Well: 27.81 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 12°

| | | | |
|---|---|---|---|
| Time | 1237 | Gal. Purged | 35.75 |
| Conductance | 2512 | pH | 6.38 |
| Temp. °C | 15.12 | | |
| Redox Potential Eh (mV) | 208 | | |
| Turbidity (NTU) | 44 | | |

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

| | | | |
|---|---|---|---|
| Time | 1005 | Gal. Purged | 0 |
| Conductance | 2565 | pH | 6.91 |
| Temp. °C | 14.95 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

Before

| | | | |
|---|---|---|---|
| Time | 1008 | Gal. Purged | 0 |
| Conductance | 2570 | pH | 6.90 |
| Temp. °C | 14.97 | | |
| Redox Potential Eh (mV) | | | |
| Turbidity (NTU) | | | |

After

Volume of Water Purged 35.75 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.05

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

If well evacuated to dryness, number of gallons evacuated 35.75

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 96.89 Sample Time 1006

See instruction

Comment

Arrived on site at 1231 Tanner and Garrin present for purge. Purge began at 1234 Purged well for a total of 3 minutes 15 seconds. Purged well dry. Purge ended at 1237 water was murky. Left site at 1240

Arrived on site at 1002 Tanner and Garrin present to collect samples. Depth to water was 57.10 samples bailed at 1006 Left site at 1010

TW4-36 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-37

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID TW4-37_10192015

Date and Time for Purging 10/19/2015 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

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 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging 63.15

Casing Volume (V) 4" Well: 31.89 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 17°

| | | | |
|---|---|---|---|
| Time | 1433 | Gal. Purged | 0 |
| Conductance | 5498 | pH | 6.68 |
| Temp. °C | 15.97 | | |
| Redox Potential Eh (mV) | 278 | | |
| Turbidity (NTU) | 0.1 | | |

| | | | |
|---|---|---|---|
| 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 = 16.8

Time to evacuate two casing volumes (2V)
T = 2V/Q = 3.79

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 69.12 Sample Time 1434

See instruction

Comment

Arrived on site at 1429 Tanner and Garrin present to collect samples.
Samples collected at 1434 Water was clear
Left site at 1436

Continuous Pumping well

TW4-37 10-19-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-60

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-60_10292015

Date and Time for Purging: 10/29/2015 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): N/A

Purging Method Used: ☐ 2 casings ☐ 3 casings

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: 1000 µMHOS/ cm

Well Depth(0.01ft): 0

Depth to Water Before Purging: 0

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

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 21°

| | | | |
|---|---|---|---|
| Time | 0900 | Gal. Purged | 0 |
| Conductance | 15.9 | pH | 7.89 |
| Temp. °C | 18.10 | | |
| Redox Potential Eh (mV) | 234 | | |
| 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 = 0

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

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 0 Sample Time 0900

See instruction

Comment

DI Blank

TW4-60 10-29-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID TW4-65_10212015

Date and Time for Purging 10/20/2015 and Sampling (if different) 10/21/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly Chloroform

Prev. Well Sampled in Sampling Event TW4-03

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 101.50

Depth to Water Before Purging ~~56.00~~ 45.41

Casing Volume (V) 4" Well: 36.62 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

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

Volume of Water Purged 55 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 6.65

Number of casing volumes evacuated (if other than two) 1.50

If well evacuated to dryness, number of gallons evacuated 55

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 99.34 Sample Time 0915

See instruction

Comment

Duplicate of TW4-12

TW4-65 10-20-2015 Do not touch this cell (SheetName)

**ATTACHMENT 1-2**
**WHITE MESA URANIUM MILL**
**FIELD DATA WORKSHEET FOR GROUNDWATER**

See instruction

Description of Sampling Event: 4Th Quarter Chloroform 2015

Location (well name): TW4-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: TW4-70_10282015

Date and Time for Purging: 10/27/2015 and Sampling (if different): 10/28/2015

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly Chloroform

Prev. Well Sampled in Sampling Event: TW4-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging: 68.70

Casing Volume (V) 4" Well: 29.58 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 11°

| | | | |
|---|---|---|---|
| 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 90 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 11.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.91

Number of casing volumes evacuated (if other than two) 0

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

| 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:

Final Depth 85.80 Sample Time 0810

See instruction

Comment

Duplicate of TW4-23

TW4-70 10-27-2015 Do not touch this cell (SheetName)

Tab C

Weekly and Monthly Depth to Water Data

# Weekly Inspection Form

**Date** 10/8/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1428 | MW-4 | 78.87 | Flow 4.4 | Yes No |
| | | | Meter 787671.17 | Yes No |
| 1421 | MW-26 | 64.24 | Flow 8.4 | Yes No |
| | | | Meter 37421.00 | Yes No |
| 1345 | TW4-19 | 63.68 | Flow 18.2 | Yes No |
| | | | Meter 161082.00 | Yes No |
| 1417 | TW4-20 | 64.93 | Flow 7.6 | Yes No |
| | | | Meter 99070.85 | Yes No |
| 1432 | TW4-4 | 72.00 | Flow 10.4 | Yes No |
| | | | Meter 199496.60 | Yes No |
| 1406 | TWN-2 | 29.00 | Flow 18.6 | Yes No |
| | | | Meter 519614.00 | Yes No |
| 1412 | TW4-22 | 68.11 | Flow 16.8 | Yes No |
| | | | Meter 261944.60 | Yes No |
| 1409 | TW4-24 | 62.25 | Flow 18.0 | Yes No |
| | | | Meter 1925714.70 | Yes No |
| 1403 | TW4-25 | 63.24 | Flow 16.0 | Yes No |
| | | | Meter 1299107.40 | Yes No |
| 1429 | TW4-1 | 81.50 | Flow 16.0 | Yes No |
| | | | Meter 74758.20 | Yes No |
| 1426 | TW4-2 | 77.55 | Flow 16.6 | Yes No |
| | | | Meter 69569.50 | Yes No |
| 1423 | TW4-11 | 90.53 | Flow 16.4 | Yes No |
| | | | Meter 19137.30 | Yes No |
| 1359 | TW4-21 | 66.34 | Flow 16.2 | Yes No |
| | | | Meter 166988.34 | Yes No |
| 1415 | TW4-37 | 69.62 | Flow 16.8 | Yes No |
| | | | Meter 157548.90 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 10/12/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1250 | MW-4 | 78.18 | Flow | 4.6 | Yes No |
| | | | Meter | 791608.96 | Yes No |
| 1239 | MW-26 | 62.85 | Flow | 8.2 | Yes No |
| | | | Meter | 38357.60 | Yes No |
| 1355 | TW4-19 | 64.20 | Flow | 18.2 | Yes No |
| | | | Meter | 166164.20 | Yes No |
| 1237 | TW4-20 | 63.14 | Flow | 8.1 | Yes No |
| | | | Meter | 99779.50 | Yes No |
| 1254 | TW4-4 | 70.02 | Flow | 10.6 | Yes No |
| | | | Meter | 202009.9 | Yes No |
| 1225 | TWN-2 | 29.92 | Flow | 18.2 | Yes No |
| | | | Meter | 521715.90 | Yes No |
| 1234 | TW4-22 | 58.06 | Flow | 17.6 | Yes No |
| | | | Meter | 263082.10 | Yes No |
| 1231 | TW4-24 | 61.95 | Flow | 16.0 | Yes No |
| | | | Meter | 1928246.40 | Yes No |
| 1221 | TW4-25 | 78.00 | Flow | 15.0 | Yes No |
| | | | Meter | 1304461.40 | Yes No |
| 1252 | TW4-1 | 105.23 | Flow | 16.2 | Yes No |
| | | | Meter | 75132.90 | Yes No |
| 1247 | TW4-2 | 94.09 | Flow | 16.1 | Yes No |
| | | | Meter | 70325.00 | Yes No |
| 1244 | TW4-11 | 92.00 | Flow | 16.2 | Yes No |
| | | | Meter | 19329.20 | Yes No |
| 1218 | TW4-21 | 66.93 | Flow | 16.2 GPM | Yes No |
| | | | Meter | 172311.75 | Yes No |
| 1238 | TW4-37 | 61.71 | Flow | 17.0 | Yes No |
| | | | Meter | 162439.90 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 10/19/15 **Name** Garrin Palmer, Tanner Holliday

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1302 | MW-4 | 78.40 | Flow | 4.6 | Yes No |
| | | | Meter | 798940.76 | Yes No |
| 1443 | MW-26 | 63.45 | Flow | 8.0 | Yes No |
| | | | Meter | 39803.20 | Yes No |
| 1340 | TW4-19 | 64.00 | Flow | 18.0 | Yes No |
| | | | Meter | 174945.40 | Yes No |
| 1436 | TW4-20 | 67.98 | Flow | 8.0 | Yes No |
| | | | Meter | 100942.04 | Yes No |
| 1320 | TW4-4 | 70.20 | Flow | 11.0 | Yes No |
| | | | Meter | 206809.0 | Yes No |
| 1403 | TWN-2 | 27.79 | Flow | 19.0 | Yes No |
| | | | Meter | 525447.60 | Yes No |
| 1222 | TW4-22 | 60.92 | Flow | 17.0 | Yes No |
| | | | Meter | 264983.10 | Yes No |
| 1410 | TW4-24 | 62.10 | Flow | 16.0 | Yes No |
| | | | Meter | 1933856.70 | Yes No |
| 1359 | TW4-25 | 63.14 | Flow | 15.2 | Yes No |
| | | | Meter | 1313837.40 | Yes No |
| 1308 | TW4-1 | 77.05 | Flow | 16.5 | Yes No |
| | | | Meter | 76832.90 | Yes No |
| 1456 | TW4-2 | 77.20 | Flow | 17.0 | Yes No |
| | | | Meter | 71861.90 | Yes No |
| 1451 | TW4-11 | ~~62.85~~ | Flow | 16.0 | Yes No |
| | | 89.50 | Meter | 19663.80 | Yes No |
| 1355 | TW4-21 | 66.25 | Flow | 16.4 | Yes No |
| | | | Meter | 181811.62 | Yes No |
| 1429 | TW4-37 | 63.15 | Flow | 16.8 | Yes No |
| | | | Meter | 171422.30 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 10/26/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1236 | MW-4 | 78.40 | Flow | 4.4 | (Yes) No |
| | | | Meter | 806029.87 | (Yes) No |
| 1225 | MW-26 | 62.92 | Flow | 8.0 | (Yes) No |
| | | | Meter | 41322.90 | (Yes) No |
| 1410 | TW4-19 | 64.22 | Flow | 18.2 | (Yes) No |
| | | | Meter | 183959.20 | (Yes) No |
| 1222 | TW4-20 | 63.42 | Flow | 7.0 | (Yes) No |
| | | | Meter | 102391.59 | (Yes) No |
| 1240 | TW4-4 | 71.20 | Flow | 10.0 | (Yes) No |
| | | | Meter | 211439.00 | (Yes) No |
| 1211 | TWN-2 | 48.39 | Flow | 18.2 | (Yes) No |
| | | | Meter | 529242.40 | (Yes) No |
| 1217 | TW4-22 | 58.12 | Flow | 17.0 | (Yes) No |
| | | | Meter | 266744.40 | (Yes) No |
| 1214 | TW4-24 | 61.72 | Flow | 16.8 | (Yes) No |
| | | | Meter | 1937317.90 | (Yes) No |
| 1207 | TW4-25 | 95.45 | Flow | 14.0 | (Yes) No |
| | | | Meter | 1322753.60 | (Yes) No |
| 1238 | TW4-1 | 76.20 | Flow | 16.0 | (Yes) No |
| | | | Meter | 78501.00 | (Yes) No |
| 1234 | TW4-2 | 87.95 | Flow | 16.0 | (Yes) No |
| | | | Meter | 73498.20 | (Yes) No |
| 1228 | TW4-11 | 92.18 | Flow | 16.0 | (Yes) No |
| | | | Meter | 20097.30 | (Yes) No |
| 1203 | TW4-21 | 67.13 | Flow | 16.0 | (Yes) No |
| | | | Meter | 191342.50 | (Yes) No |
| 1220 | TW4-37 | 61.85 | Flow | 17.0 | (Yes) No |
| | | | Meter | 180131.40 | (Yes) No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Monthly Depth Check Form

**Date** 10/29/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Time | Well | Depth* |
|---|---|---|---|---|---|
| 1426 | MW-4 | 78.31 | 1350 | TWN-1 | 61.51 |
| 1428 | TW4-1 | 76.23 | 1353 | TWN-2 | 28.36 |
| 1424 | TW4-2 | 80.33 | 1355 | TWN-3 | 37.90 |
| 1511 | TW4-3 | 55.87 | 1358 | TWN-4 | 54.18 |
| 1431 | TW4-4 | 71.25 | 1401 | TWN-7 | 85.73 |
| 1507 | TW4-5 | 63.70 | 1400 | TWN-18 | 59.79 |
| 0823 | TW4-6 | 71.75 | 1403 | MW-27 | 53.59 |
| 0818 | TW4-7 | 76.35 | ~~1456~~ 1549 | MW-30 | ~~73.75~~ 75.04 |
| 0813 | TW4-8 | 77.31 | ~~1443 1557~~ 1547 | MW-31 | ~~79.81~~ 68.04 |
| 1509 | TW4-9 | 61.50 | | | |
| 0832 | TW4-10 | 61.28 | | | |
| 1419 | TW4-11 | 41.98 | | | |
| 1520 | TW4-12 | 45.26 | | | |
| 1525 | TW4-13 | 50.86 | 1521 | TW4-28 | 39.30 |
| 1528 | TW4-14 | 80.31 | 0804 | TW4-29 | 73.20 |
| 1416 | TW4-15 | 64.44 | 1536 | TW4-30 | 75.75 |
| 1542 | TW4-16 | 63.15 | 1537 | TW4-31 | 79.81 |
| 1544 | TW4-17 | 76.85 | 1523 | TW4-32 | 50.56 |
| 1352 | TW4-18 | 64.49 | 0757 | TW4-33 | 71.96 |
| 1430 | TW4-19 | 67.25 | 1532 | TW4-34 | 71.04 |
| 1410 | TW4-20 | 64.75 | ~~1532~~ 1534 | TW4-35 | ~~74.04~~ 73.75 |
| 1343 | TW4-21 | 66.85 | 1527 | TW4-36 | 56.08 |
| 1407 | TW4-22 | 59.31 | 1413 | TW4-37 | 62.84 |
| 1514 | TW4-23 | 68.37 | | | |
| 1405 | TW4-24 | 62.04 | | | |
| 1347 | TW4-25 | 65.10 | | | |
| 1516 | TW4-26 | 65.90 | | | |
| 1530 | TW4-27 | 79.71 | | | |

**Comments: (Please note the well number for any comments)**

* Depth is measured to the nearest 0.01 feet

# Weekly Inspection Form

**Date** 11/2/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1338 | MW-4 | 78.85 | Flow 4.4 | Yes No |
| | | | Meter 813326.79 | Yes No |
| | | | | |
| 1328 | MW-26 | 63.70 | Flow 8.0 | Yes No |
| | | | Meter 42973.6 | Yes No |
| 1400 | | | | |
| ~~[illegible]~~ | TW4-19 | 63.98 | Flow 18.0 | Yes No |
| | | | Meter 192744.1 | Yes No |
| | | | | |
| 1324 | TW4-20 | 73.35 | Flow 7.3 | Yes No |
| | | | Meter 103512.71 | Yes No |
| | | | | |
| 1344 | TW4-4 | 72.14 | Flow 10.0 | Yes No |
| | | | Meter 216211.5 | Yes No |
| | | | | |
| 1309 | TWN-2 | 27.90 | Flow 18.0 | Yes No |
| | | | Meter 532983.4 | Yes No |
| | | | | |
| 1318 | TW4-22 | 57.71 | Flow 17.0 | Yes No |
| | | | Meter 268613.1 | Yes No |
| | | | | |
| 1313 | TW4-24 | 62.42 | Flow 16.0 | Yes No |
| | | | Meter 1944124.7 | Yes No |
| | | | | |
| 1306 | TW4-25 | 64.52 | Flow 17.0 | Yes No |
| | | | Meter 1331812.2 | Yes No |
| | | | | |
| 1341 | TW4-1 | 84.33 | Flow 16.0 | Yes No |
| | | | Meter 80209.2 | Yes No |
| | | | | |
| 1334 | TW4-2 | 79.71 | Flow 16.0 | Yes No |
| | | | Meter 75175.2 | Yes No |
| | | | | |
| 1331 | TW4-11 | 92.16 | Flow 16.0 | Yes No |
| | | | Meter 20333.2 | Yes No |
| | | | | |
| 1302 | TW4-21 | 66.40 | Flow 16.0 | Yes No |
| | | | Meter 200813.93 | Yes No |
| | | | | |
| 1321 | TW4-37 | 61.20 | Flow 17.0 | Yes No |
| | | | Meter ~~[illegible]~~ 188974.6 | Yes No |

Operational Problems (Please list well number): _____

Corrective Action(s) Taken (Please list well number): _____

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 11/10/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1012 | MW-4 | 79.29 | Flow | 4.4 GPM | Yes No |
| | | | Meter | 821352.83 | Yes No |
| 1006 | MW-26 | 64.17 | Flow | 8.1 GPM | Yes No |
| | | | Meter | 44685.20 | Yes No |
| 1118 | TW4-19 | 64.28 | Flow | 18.0 GPM | Yes No |
| | | | Meter | 202701.40 | Yes No |
| 1003 | TW4-20 | 62.76 | Flow | 8.0 GPM | Yes No |
| | | | Meter | 104841.25 | Yes No |
| 1019 | TW4-4 | 69.99 | Flow | 11.0 GPM | Yes No |
| | | | Meter | 221578.50 | Yes No |
| 0944 | TWN-2 | 28.65 | Flow | 18.4 GPM | Yes No |
| | | | Meter | 537155.26 | Yes No |
| 0955 | TW4-22 | 57.90 | Flow | 16.4 GPM | Yes No |
| | | | Meter | 270707.90 | Yes No |
| 0949 | TW4-24 | 68.43 | Flow | 16.0 GPM | Yes No |
| | | | Meter | 1957174.80 | Yes No |
| 0941 | TW4-25 | 67.39 | Flow | 15.0 GPM | Yes No |
| | | | Meter | 1342171.80 | Yes No |
| 1016 | TW4-1 | 84.36 | Flow | ~~89~~. 16.0 GPM | Yes No |
| | | | Meter | 82010.00 | Yes No |
| 1011 | TW4-2 | 85.85 | Flow | 16.2 GPM | Yes No |
| | | | Meter | 77251.50 | Yes No |
| 1009 | TW4-11 | 94.20 | Flow | 16.0 | Yes No |
| | | | Meter | 20705.60 | Yes No |
| 0938 | TW4-21 | 66.70 | Flow | 16.0 GPM | Yes No |
| | | | Meter | 212162.72 | Yes No |
| 1000 | TW4-37 | 61.32 | Flow | 16.6 GPM | Yes No |
| | | | Meter | 198801.50 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number): Turned on heat lamps in boxes for winter months.

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 11/17/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1432 | MW-4 | 70.01 | Flow | 4.5 | Yes No |
| | | | Meter | 830320.00 | Yes No |
| 1415 | MW-26 | 63.10 | Flow | 8.0 | Yes No |
| | | | Meter | 46299.20 | Yes No |
| 1505 | TW4-19 | 78.02 | Flow | 18.0 | Yes No |
| | | | Meter | 211141.60 | Yes No |
| 1411 | TW4-20 | 64.18 | Flow | 8.0 | Yes No |
| | | | Meter | 106126.60 | Yes No |
| 1428 | TW4-4 | 71.88 | Flow | 11.2 | Yes No |
| | | | Meter | 226211.10 | Yes No |
| 1319 | TWN-2 | 29.64 | Flow | 18.6 | Yes No |
| | | | Meter | 540861.66 | Yes No |
| 1405 | TW4-22 | 79.10 | Flow | 16.4 | Yes No |
| | | | Meter | 272745.40 | Yes No |
| 1326 | TW4-24 | 66.72 | Flow | 16.0 | Yes No |
| | | | Meter | 1968787.60 | Yes No |
| 1315 | TW4-25 | 64.20 | Flow | 15.4 | Yes No |
| | | | Meter | 1351381.60 | Yes No |
| 1424 | TW4-1 | 87.00 | Flow | 16.3 | Yes No |
| | | | Meter | 83696.00 | Yes No |
| 1421 | TW4-2 | 79.00 | Flow | 16.2 | Yes No |
| | | | Meter | 79285.70 | Yes No |
| 1418 | TW4-11 | 86.18 | Flow | 16.0 | Yes No |
| | | | Meter | 21030.90 | Yes No |
| 1309 | TW4-21 | 66.96 | Flow | 16.4 | Yes No |
| | | | Meter | 223128.87 | Yes No |
| 1408 | TW4-37 | 82.40 | Flow | 14.0 | Yes No |
| | | | Meter | 207915.50 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 11/25/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1215 | MW-4 | 76.81 | Flow 4.4 | Yes No |
| | | | Meter 847872.21 | Yes No |
| | | | | |
| 1204 | MW-26 | 63.95 | Flow 8.0 | Yes No |
| | | | Meter 47936.7 | Yes No |
| | | | | |
| 1100 | TW4-19 | 74.23 | Flow 18.0 | Yes No |
| | | | Meter 221829.6 | Yes No |
| | | | | |
| 1201 | TW4-20 | 64.89 | Flow 8.0 | Yes No |
| | | | Meter 107536.37 | Yes No |
| | | | | |
| 1222 | TW4-4 | 72.11 | Flow 11.0 | Yes No |
| | | | Meter 231589.3 | Yes No |
| | | | | |
| 1129 | TWN-2 | 29.03 | Flow 18.5 | Yes No |
| | | | Meter 544923.8 | Yes No |
| | | | | |
| 1155 | TW4-22 | 59.36 | Flow 16.5 | Yes No |
| | | | Meter 274745.5 | Yes No |
| | | | | |
| 1152 | TW4-24 | 68.44 | Flow 16.0 | Yes No |
| | | | Meter 1981830.5 | Yes No |
| | | | | |
| 1126 | TW4-25 | 64.57 | Flow 15.5 | Yes No |
| | | | Meter 1362497.9 | Yes No |
| | | | | |
| 1218 | TW4-1 | 85.67 | Flow 16.0 | Yes No |
| | | | Meter 85306.6 | Yes No |
| | | | | |
| 1212 | TW4-2 | 81.24 | Flow 16.0 | Yes No |
| | | | Meter 81253.4 | Yes No |
| | | | | |
| 1208 | TW4-11 | 91.25 | Flow 16.0 | Yes No |
| | | | Meter 21383.1 | Yes No |
| | | | | |
| 1123 | TW4-21 | 66.83 | Flow 16.5 | Yes No |
| | | | Meter 236199.24 | Yes No |
| | | | | |
| 1158 | TW4-37 | 71.14 | Flow 14.0 | Yes No |
| | | | Meter 217805.1 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Monthly Depth Check Form

**Date** 11/25/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Time | Well | Depth* |
|---|---|---|---|---|---|
| 1215 | MW-4 | 76.81 | 1118 | TWN-1 | 61.56 |
| 1218 | TW4-1 | 85.67 | 1129 | TWN-2 | 29.03 |
| 1212 | TW4-2 | 81.24 | 1132 | TWN-3 | 37.85 |
| ~~1232~~ 1403 | TW4-3 | ~~33.85~~ 55.85 | 1136 | TWN-4 | 54.30 |
| 1222 | TW4-4 | 72.11 | 1147 | TWN-7 | 85.46 |
| 1408 | TW4-5 | 63.67 | 1139 | TWN-18 | 59.80 |
| 1313 | TW4-6 | 71.32 | 1143 | MW-27 | 53.51 |
| 1358 | TW4-7 | 82.33 | 1422 | MW-30 | 74.90 |
| 1400 | TW4-8 | 79.81 | 1419 | MW-31 | 67.95 |
| 1406 | TW4-9 | 61.50 | | | |
| 1411 | TW4-10 | 61.17 | | | |
| 1208 | TW4-11 | 91.25 | | | |
| 1340 | TW4-12 | 45.25 | | | |
| 1347 | TW4-13 | 50.76 | 1342 | TW4-28 | 39.30 |
| 1352 | TW4-14 | 80.31 | 1326 | TW4-29 | 73.04 |
| 1204 | TW4-15 | 63.95 | 1335 | TW4-30 | 75.65 |
| 1413 | TW4-16 | 63.06 | 1337 | TW4-31 | 79.69 |
| 1416 | TW4-17 | 76.62 | 1344 | TW4-32 | 50.60 |
| 1121 | TW4-18 | 64.58 | 1322 | TW4-33 | 71.85 |
| 1100 | TW4-19 | 74.23 | 1329 | TW4-34 | 71.15 |
| 1201 | TW4-20 | 64.89 | 1332 | TW4-35 | 73.75 |
| 1123 | TW4-21 | 66.83 | 1349 | TW4-36 | 56.07 |
| 1155 | TW4-22 | 59.36 | 1158 | TW4-37 | 71.14 |
| 1315 | TW4-23 | 68.45 | | | |
| 1152 | TW4-24 | 68.44 | | | |
| 1126 | TW4-25 | 64.57 | | | |
| 1318 | TW4-26 | 65.95 | | | |
| 1324 | TW4-27 | 79.51 | | | |

**Comments: (Please note the well number for any comments)**

* Depth is measured to the nearest 0.01 feet

# Weekly Inspection Form

**Date** 11/30/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1330 | MW-4 | 81.95 | Flow 4.3 | Yes No |
| | | | Meter 857199.11 | Yes No |
| 1314 | MW-26 | 64.36 | Flow 8.0 | Yes No |
| | | | Meter 49017.0 | Yes No |
| 1400 | TW4-19 | 64.20 | Flow 18.0 | Yes No |
| | | | Meter 228160.2 | Yes No |
| 1310 | TW4-20 | 63.00 | Flow 8.0 | Yes No |
| | | | Meter 108413.68 | Yes No |
| 1343 | TW4-4 | 72.36 | Flow 11.0 | Yes No |
| | | | Meter 234889.7 | Yes No |
| 1255 | TWN-2 | 29.40 | Flow 18.5 | Yes No |
| | | | Meter 547501.3 | Yes No |
| 1302 | TW4-22 | 58.38 | Flow 16.5 | Yes No |
| | | | Meter 276175.5 | Yes No |
| 1259 | TW4-24 | 68.71 | Flow 16.0 | Yes No |
| | | | Meter 1990293.7 | Yes No |
| 1251 | TW4-25 | 66.41 | Flow 15.5 | Yes No |
| | | | Meter 1368967.7 | Yes No |
| 1339 | TW4-1 | 92.12 | Flow 16.0 | Yes No |
| | | | Meter 86493.60 | Yes No |
| 1321 | TW4-2 | 89.29 | Flow 16.0 | Yes No |
| | | | Meter 82572.5 | Yes No |
| 1317 | TW4-11 | 91.87 | Flow 16.0 | Yes No |
| | | | Meter 21511.0 | Yes No |
| 1246 | TW4-21 | 67.78 | Flow 16.5 | Yes No |
| | | | Meter 244474.28 | Yes No |
| 1307 | TW4-37 | 61.62 | Flow 14.0 | Yes No |
| | | | Meter 224176.3 | Yes No |

Operational Problems (Please list well number): Had to Reset Timer on MW-04.

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 12/7/2015 **Name** Tanner Holliday, Garrin Palmer

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1525 | MW-4 | 74.74 | Flow 4.5 | (Yes) No |
| | | | Meter 857190.38 | (Yes) No |
| 1513 | MW-26 | 70.21 | Flow 8.0 | (Yes) No |
| | | | Meter 50669.30 | (Yes) No |
| 1600 ~~1513~~ | TW4-19 | 65.36 ~~70.21~~ | Flow 18.0 | (Yes) No |
| | | | Meter ~~50669.30~~ 237272.80 | (Yes) No |
| 1510 | TW4-20 | 63.42 | Flow 8.0 | (Yes) No |
| | | | Meter 109788.48 | (Yes) No |
| 1532 | TW4-4 | 73.97 | Flow 11.0 | (Yes) No |
| | | | Meter 239568.20 | (Yes) No |
| 1500 | TWN-2 | 29.70 | Flow 18.0 | (Yes) No |
| | | | Meter 551264.70 | (Yes) No |
| 1507 | TW4-22 | 58.85 | Flow 17.0 | (Yes) No |
| | | | Meter 278077.60 | (Yes) No |
| 1504 | TW4-24 | 63.75 | Flow 14.2 | (Yes) No |
| | | | Meter 2001744.80 | (Yes) No |
| 1457 | TW4-25 | 63.15 | Flow 13.8 | (Yes) No |
| | | | Meter 1377079.60 | (Yes) No |
| 1528 | TW4-1 | 79.26 | Flow 14.6 | (Yes) No |
| | | | Meter 89072.30 | (Yes) No |
| 1522 | TW4-2 | 80.01 | Flow 17.0 | (Yes) No |
| | | | Meter 84265.70 | (Yes) No |
| 1516 | TW4-11 | 90.70 | Flow 16.0 | (Yes) No |
| | | | Meter 21901.20 | (Yes) No |
| 1453 | TW4-21 | 68.55 | Flow 16.0 | (Yes) No |
| | | | Meter 256304.31 | (Yes) No |
| 1510 | TW4-37 | 62.35 | Flow 17.0 | (Yes) No |
| | | | Meter 232916.40 | (Yes) No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 12/15/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 0926 | MW-4 | 73.96 | Flow | 4.5 | Yes No |
| | | | Meter | 865471.52 | Yes No |
| 0917 | MW-26 | 71.80 | Flow | 8.0 | Yes No |
| | | | Meter | 52385.10 | Yes No |
| 0810 | TW4-19 | 63.98 | Flow | 16.0 | Yes No |
| | | | Meter | 246815.50 | Yes No |
| 0914 | TW4-20 | 63.60 | Flow | 8.0 | Yes No |
| | | | Meter | 111181.07 | Yes No |
| 0934 | TW4-4 | 74.86 | Flow | 11.0 | Yes No |
| | | | Meter | 244695.60 | Yes No |
| 0903 | TWN-2 | 32.40 | Flow | 18.4 | Yes No |
| | | | Meter | 555375.30 | Yes No |
| 0940 | TW4-22 | 59.11 | Flow | 17.2 | Yes No |
| | | | Meter | 280037.60 | Yes No |
| 0907 | TW4-24 | 70.22 | Flow | 17.0 | Yes No |
| | | | Meter | 2014713.90 | Yes No |
| 0856 | TW4-25 | 62.65 | Flow | 15.6 | Yes No |
| | | | Meter | 1387970.40 | Yes No |
| 0929 | TW4-1 | 79.02 | Flow | 16.0 | Yes No |
| | | | Meter | 89827.70 | Yes No |
| 0923 | TW4-2 | 80.84 | Flow | 16.6 | Yes No |
| | | | Meter | 86281.00 | Yes No |
| 0921 | TW4-11 | 91.18 | Flow | 16.0 | Yes No |
| | | | Meter | 22272.80 | Yes No |
| 0851 | TW4-21 | 68.10 | Flow | 16.1 | Yes No |
| | | | Meter | 269451.57 | Yes No |
| 0911 | TW4-37 | 66.87 | Flow | 17.4 | Yes No |
| | | | Meter | 242626.10 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 12/22/2015 **Name** Tanner Holliday

| Time | Well | Depth* | Comments | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|
| 1259 | MW-4 | 74.26 | Flow 4.5 | Yes No |
| | | | Meter 872747.21 | Yes No |
| 1247 | MW-26 | 64.83 | Flow 8.0 | Yes No |
| | | | Meter 53842.9 | Yes No |
| 1320 | TW4-19 | 64.27 | Flow 16.0 | Yes No |
| | | | Meter 256007.8 | Yes No |
| 1243 | TW4-20 | 63.94 | Flow 8.0 | Yes No |
| | | | Meter 112220.60 | Yes No |
| 1305 | TW4-4 | 72.12 | Flow 11.0 | Yes No |
| | | | Meter 249210.7 | Yes No |
| 1228 | TWN-2 | 29.33 | Flow 18.2 | Yes No |
| | | | Meter 558965.3 | Yes No |
| 1236 | TW4-22 | 59.08 | Flow 17.0 | Yes No |
| | | | Meter 281947.2 | Yes No |
| 1233 | TW4-24 | 80.45 | Flow 17.0 | Yes No |
| | | | Meter 2023227.9 | Yes No |
| 1224 | TW4-25 | 64.13 | Flow 16.0 | Yes No |
| | | | Meter 1397285.8 | Yes No |
| 1301 | TW4-1 | 79.39 | Flow 16.0 | Yes No |
| | | | Meter 91599.1 | Yes No |
| 1255 | TW4-2 | 81.02 | Flow 16.5 | Yes No |
| | | | Meter 88023.5 | Yes No |
| 1251 | TW4-11 | 91.25 | Flow 16.0 | Yes No |
| | | | Meter 22571.3 | Yes No |
| 1220 | TW4-21 | 68.16 | Flow 16.0 | Yes No |
| | | | Meter ~~285~~ 281212.06 | Yes No |
| 1239 | TW4-37 | 65.43 | Flow 17.1 | Yes No |
| | | | Meter 251512.1 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number): Replaced Heat lamp on TWN-02

* Depth is measured to the nearest 0.01 feet.

# Weekly Inspection Form

**Date** 12/28/15 **Name** Garrin Palmer

| Time | Well | Depth* | Comments | | System Operational (If no note any problems/corrective actions) |
|---|---|---|---|---|---|
| 1359 | MW-4 | 81.00 | Flow | 4.4 | Yes No |
| | | | Meter | 878905.77 | Yes No |
| 1346 | MW-26 | 63.50 | Flow | 8.3 | Yes No |
| | | | Meter | 55134.30 | Yes No |
| 1257 | TW4-19 | 64.28 | Flow | 18.2 | Yes No |
| | | | Meter | 263619.40 | Yes No |
| 1342 | TW4-20 | 66.16 | Flow | 7.0 | Yes No |
| | | | Meter | 113105.43 | Yes No |
| 1408 | TW4-4 | 74.15 | Flow | 11.0 | Yes No |
| | | | Meter | 253196.80 | Yes No |
| 1320 | TWN-2 | 30.80 | Flow | 18.8 | Yes No |
| | | | Meter | 562181.20 | Yes No |
| 1334 | TW4-22 | 58.31 | Flow | 18.0 | Yes No |
| | | | Meter | 283545.40 | Yes No |
| 1328 | TW4-24 | 63.62 | Flow | 16.0 | Yes No |
| | | | Meter | 2028005.70 | Yes No |
| 1315 | TW4-25 | 64.35 | Flow | 15.2 | Yes No |
| | | | Meter | 1404981.60 | Yes No |
| 1404 | TW4-1 | 92.25 | Flow | 15.0 | Yes No |
| | | | Meter | 92975.40 | Yes No |
| 1355 | TW4-2 | 81.45 | Flow | 17.0 | Yes No |
| | | | Meter | 89543.30 | Yes No |
| 1351 | TW4-11 | 92.86 | Flow | 16.6 | Yes No |
| | | | Meter | 22836.70 | Yes No |
| 1310 | TW4-21 | 67.65 | Flow | 16.4 | Yes No |
| | | | Meter | 290803.97 | Yes No |
| 1337 | TW4-37 | 61.50 | Flow | 17.0 | Yes No |
| | | | Meter | 259007.40 | Yes No |

Operational Problems (Please list well number):

Corrective Action(s) Taken (Please list well number):

* Depth is measured to the nearest 0.01 feet.

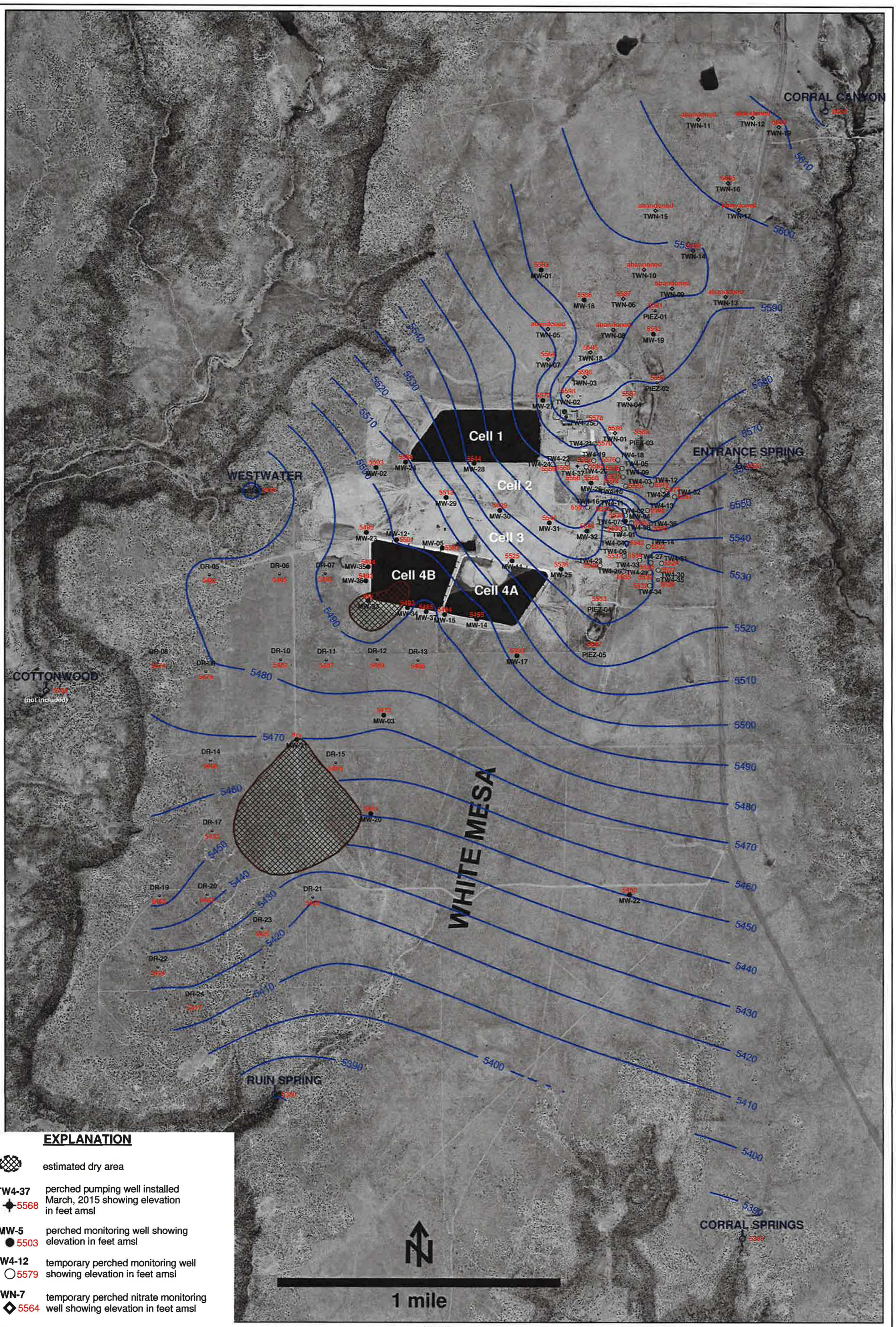
Tab D

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

NAME: Garrin Palmer, Tanner Holliday

12/2/2015

| TIME | WELL | Depth to Water (ft.) | TIME | WELL | Depth to Water (ft.) | TIME | WELL | Depth to Water (ft.) | TIME | WELL | Depth to Water (ft.) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1325 | MW-1 | 64.24 | 1211 | MW-4 | 71.20 | 1258 | PIEZ-1 | 64.84 | NA | DR-1 | Abandoned |
| 1320 | MW-2 | 109.94 | 1213 | TW4-1 | 89.04 | 1251 | PIEZ-2 | 38.60 | NA | DR-2 | Abandoned |
| 929 | MW-3 | 82.68 | 1210 | TW4-2 | 86.38 | 1244 | PIEZ-3 | 49.10 | 907 | DR-5 | 83.35 |
| 928 | MW-3A | 84.75 | 1226 | TW4-3 | 56.66 | 1246 | PIEZ-4 | 58.24 | 904 | DR-6 | 94.35 |
| 1317 | MW-5 | 106.35 | 1215 | TW4-4 | 71.86 | 1244 | PIEZ-5 | 57.71 | 1304 | DR-7 | 92.32 |
| 1332 | MW-11 | 86.25 | 1228 | TW4-5 | 64.37 | 1342 | TWN-1 | 62.04 | 853 | DR-8 | 51.30 |
| 1314 | MW-12 | 108.50 | 1216 | TW4-6 | 71.34 | 1215 | TWN-2 | 28.80 | 851 | DR-9 | 86.82 |
| 1253 | MW-14 | 103.25 | 1222 | TW4-7 | 81.60 | 1235 | TWN-3 | 38.41 | 848 | DR-10 | 78.34 |
| 1318 | MW-15 | 106.01 | 1224 | TW4-8 | 81.18 | 1239 | TWN-4 | 54.85 | 923 | DR-11 | 98.17 |
| 935 | MW-17 | 72.19 | 1229 | TW4-9 | 62.18 | NA | TWN-5 | Abandoned | 925 | DR-12 | 90.95 |
| 1316 | MW-18 | 71.97 | 1231 | TW4-10 | 61.85 | 1312 | TWN-6 | 78.22 | 932 | DR-13 | 70.10 |
| 1255 | MW-19 | 61.49 | 1208 | TW4-11 | 90.95 | 1328 | TWN-7 | 85.38 | 845 | DR-14 | 76.55 |
| 811 | MW-20 | 89.70 | 954 | TW4-12 | 45.70 | NA | TWN-8 | Abandoned | 915 | DR-15 | 93.05 |
| 805 | MW-22 | 66.99 | 952 | TW4-13 | 51.92 | NA | TWN-9 | Abandoned | NA | DR-16 | Abandoned |
| 1312 | MW-23 | 116.75 | 949 | TW4-14 | 80.65 | NA | TWN-10 | Abandoned | 837 | DR-17 | 65.06 |
| 1323 | MW-24 | 113.35 | 1206 | TW4-15 | 65.20 | NA | TWN-11 | Abandoned | NA | DR-18 | Abandoned |
| 1249 | MW-25 | 76.66 | 1233 | TW4-16 | 63.17 | NA | TWN-12 | Abandoned | 823 | DR-19 | 63.22 |
| 1206 | MW-26 | 65.20 | 1236 | TW4-17 | 77.26 | NA | TWN-13 | Abandoned | 821 | DR-20 | 55.83 |
| 1231 | MW-27 | 54.31 | 1339 | TW4-18 | 65.08 | 1303 | TWN-14 | 61.30 | 817 | DR-21 | 101.30 |
| 1326 | MW-28 | 75.50 | 1152 | TW4-19 | 63.88 | NA | TWN-15 | Abandoned | 831 | DR-22 | 60.67 |
| 1338 | MW-29 | 101.50 | 1205 | TW4-20 | 64.10 | 1306 | TWN-16 | 47.74 | 913 | DR-23 | 70.75 |
| 1335 | MW-30 | 75.60 | 1138 | TW4-21 | 69.47 | NA | TWN-17 | Abandoned | 828 | DR-24 | 44.40 |
| 1329 | MW-31 | 68.56 | 1204 | TW4-22 | 60.77 | 1335 | TWN-18 | 60.21 | NA | DR-25 | Abandoned |
| 1236 | MW-32 | 77.26 | 1238 | TW4-23 | 69.09 | 759 | TWN-19 | 53.48 | | | |
| 1302 | MW-33 | DRY | 1203 | TW4-24 | 66.92 | | | | | | |
| 1309 | MW-34 | 107.95 | 1201 | TW4-25 | 66.49 | | | | | | |
| 1309 | MW-35 | 112.59 | 1241 | TW4-26 | 66.45 | | | | | | |
| 1307 | MW-36 | 110.70 | 940 | TW4-27 | 80.02 | | | | | | |
| 1256 | MW-37 | 114.61 | 955 | TW4-28 | 39.73 | | | | | | |
| | | | 948 | TW4-29 | 73.70 | | | | | | |
| | | | 943 | TW4-30 | 76.25 | | | | | | |
| | | | 941 | TW4-31 | 80.29 | | | | | | |
| | | | 957 | TW4-32 | 51.26 | | | | | | |
| | | | 938 | TW4-33 | 72.39 | | | | | | |
| | | | 946 | TW4-34 | 71.55 | | | | | | |
| | | | 944 | TW4-35 | 74.30 | | | | | | |
| | | | 951 | TW4-36 | 56.64 | | | | | | |
| | | | 1204 | TW4-37 | 63.60 | | | | | | |




## EXPLANATION

estimated dry area

**TW4-37** 5568 — perched pumping well installed March, 2015 showing elevation in feet amsl

**MW-5** 5503 — perched monitoring well showing elevation in feet amsl

**TW4-12** 5579 — temporary perched monitoring well showing elevation in feet amsl

**TWN-7** 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl

**PIEZ-1** 5591 — perched piezometer showing elevation in feet amsl

**TW4-35** 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

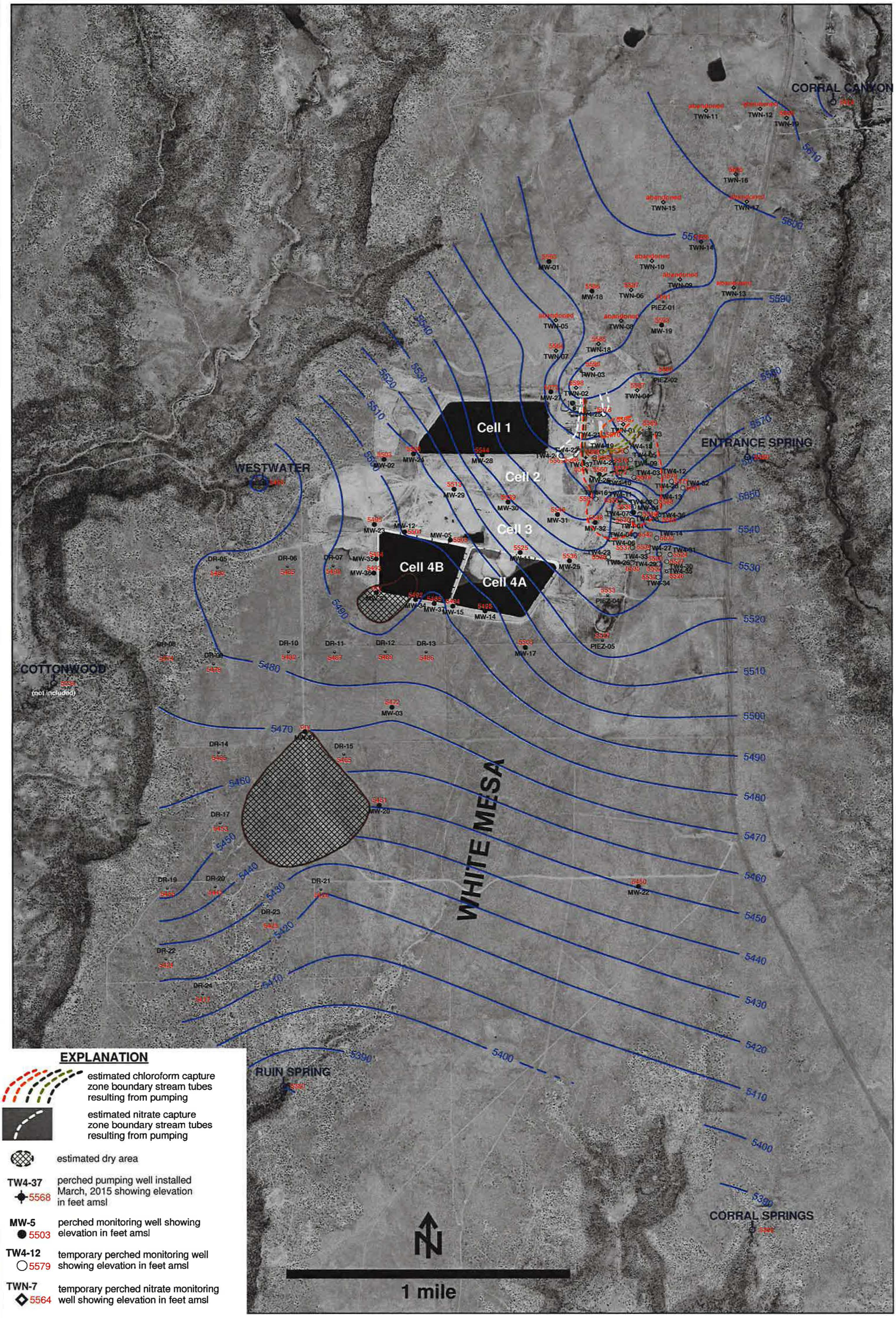
**RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

# KRIGED 4th QUARTER, 2015 WATER LEVELS WHITE MESA SITE

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/feb16/WL/Uwl1215.srf | D-1 |




## EXPLANATION

estimated chloroform capture zone boundary stream tubes resulting from pumping

estimated nitrate capture zone boundary stream tubes resulting from pumping

estimated dry area

**TW4-37** 5568 — perched pumping well installed March, 2015 showing elevation in feet amsl

**MW-5** 5503 — perched monitoring well showing elevation in feet amsl

**TW4-12** 5579 — temporary perched monitoring well showing elevation in feet amsl

**TWN-7** 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl

**PIEZ-1** 5591 — perched piezometer showing elevation in feet amsl

**TW4-35** 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

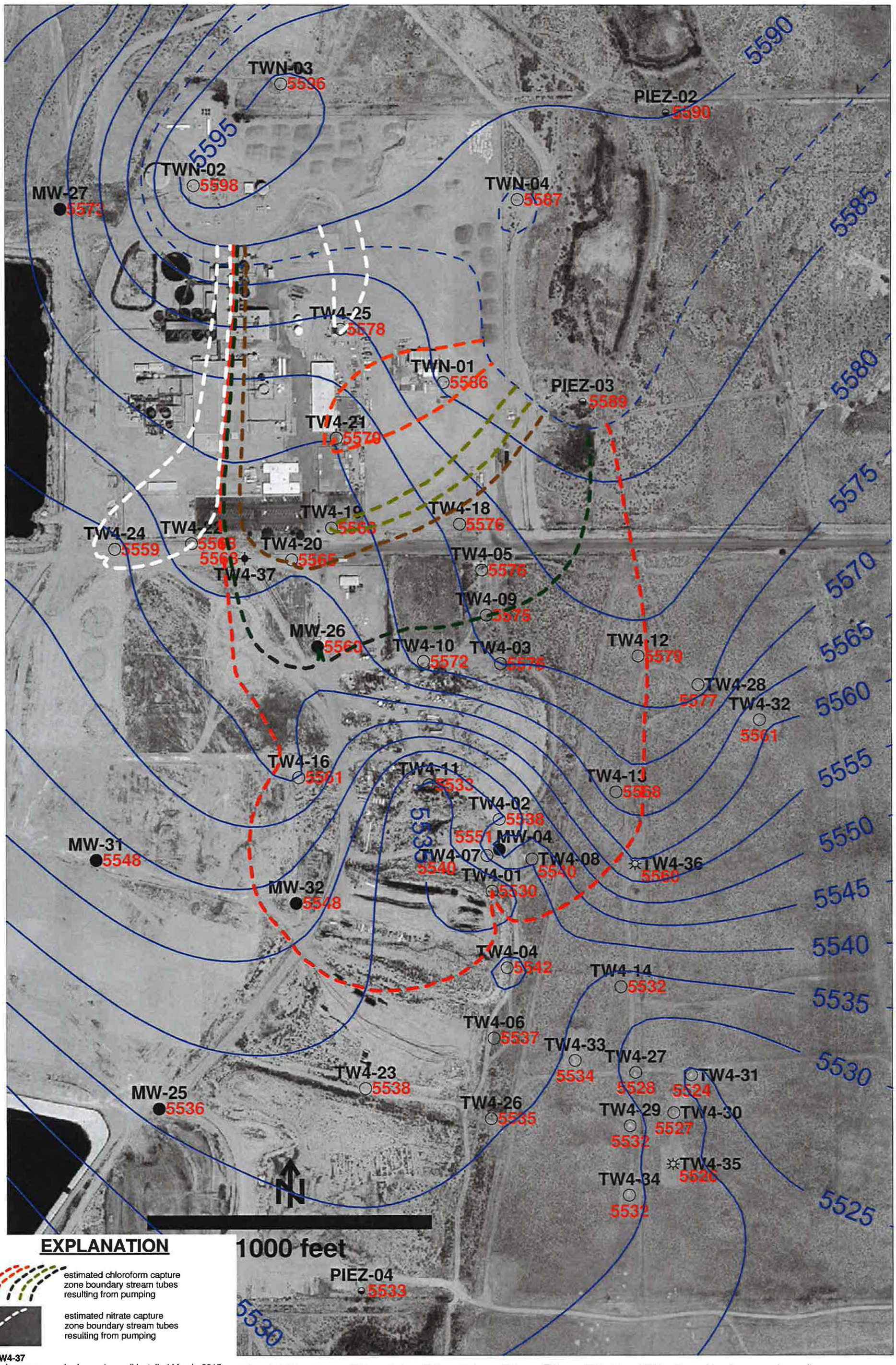
**RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

# KRIGED 4th QUARTER, 2015 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/Feb16/nitrate/Uwl1115cz2.srf | D-2 |




## EXPLANATION

estimated chloroform capture zone boundary stream tubes resulting from pumping

estimated nitrate capture zone boundary stream tubes resulting from pumping

TW4-37 5568 — perched pumping well installed March, 2015 showing elevation in feet amsl

MW-25 5536 — perched monitoring well showing elevation in feet amsl

TW4-7 5540 — temporary perched monitoring well showing elevation in feet amsl

PIEZ-2 5590 — perched piezometer showing elevation in feet amsl

TW4-35 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells; TW4-11 water level is below the base of the Burro Canyon Formation

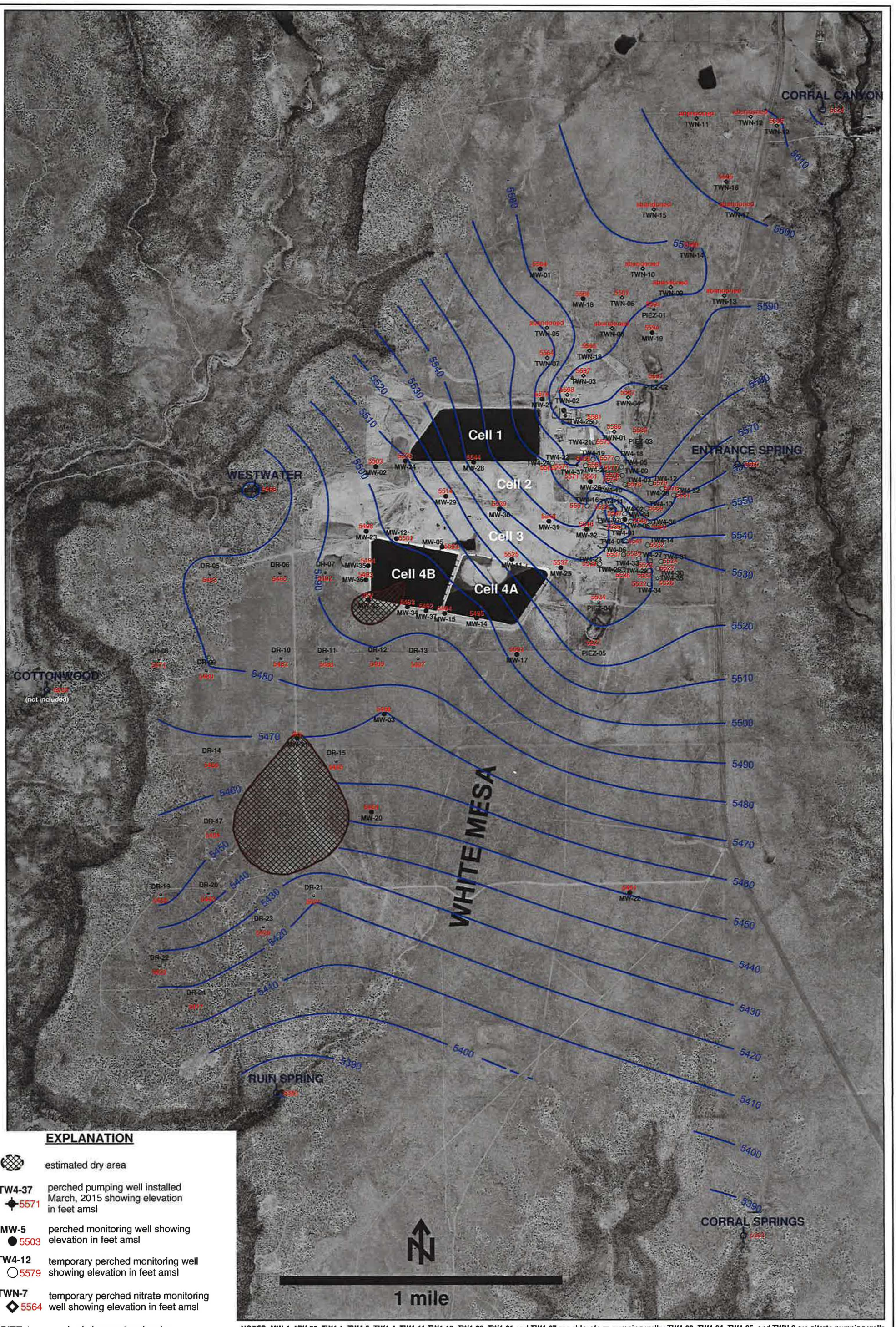
HYDRO GEO CHEM, INC.

**KRIGED 4th QUARTER, 2015 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)**

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/feb16/WL/Uwl1215cz.srf | D-3 |

Tab E

Kriged Previous Quarter Groundwater Contour Map




## EXPLANATION

estimated dry area

**TW4-37** 5571 — perched pumping well installed March, 2015 showing elevation in feet amsl

**MW-5** 5503 — perched monitoring well showing elevation in feet amsl

**TW4-12** 5579 — temporary perched monitoring well showing elevation in feet amsl

**TWN-7** 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl

**PIEZ-1** 5591 — perched piezometer showing elevation in feet amsl

**TW4-35** 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl

**RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

# KRIGED 3rd QUARTER, 2015 WATER LEVELS WHITE MESA SITE

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/nov15/WL/Uwl0915.srf | E-1 |

Tab F

Depths to Groundwater and Elevations and Hydrographs of Groundwater Elevations Over Time for Chloroform Monitoring Wells

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

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

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

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

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

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

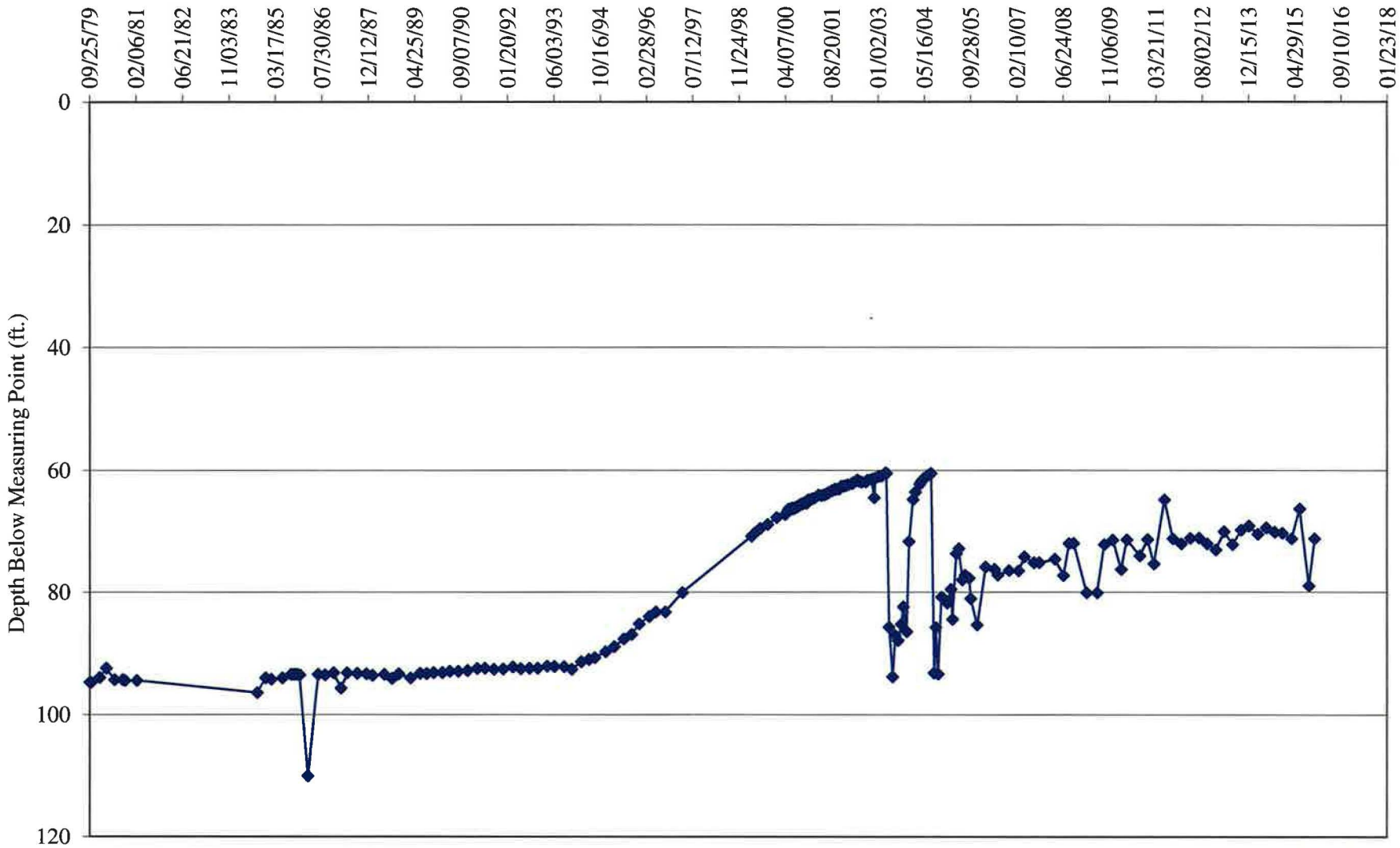
# Water Levels and Data over Time
## White Mesa Mill - Well MW4

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

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

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,620.77 | 5,622.33 | 1.56 | | | | 123.6 |
| 5,547.00 | | | | 02/28/11 | 75.33 | 73.77 | |
| 5,557.54 | | | | 06/21/11 | 64.79 | 63.23 | |
| 5,551.14 | | | | 09/20/11 | 71.19 | 69.63 | |
| 5,550.32 | | | | 12/21/11 | 72.01 | 70.45 | |
| 5,551.22 | | | | 03/27/12 | 71.11 | 69.55 | |
| 5,551.29 | | | | 06/28/12 | 71.04 | 69.48 | |
| 5,550.29 | | | | 09/27/12 | 72.04 | 70.48 | |
| 5,549.31 | | | | 12/28/12 | 73.02 | 71.46 | |
| 5,552.30 | | | | 03/28/13 | 70.03 | 68.47 | |
| 5,550.18 | | | | 06/27/13 | 72.15 | 70.59 | |
| 5,552.55 | | | | 09/27/13 | 69.78 | 68.22 | |
| 5,553.23 | | | | 12/20/13 | 69.10 | 67.54 | |
| 5,551.91 | | | | 03/27/14 | 70.42 | 68.86 | |
| 5,552.93 | | | | 06/25/14 | 69.40 | 67.84 | |
| 5,552.23 | | | | 09/25/14 | 70.10 | 68.54 | |
| 5,552.08 | | | | 12/17/14 | 70.25 | 68.69 | |
| 5,551.13 | | | | 03/26/15 | 71.20 | 69.64 | |
| 5,556.02 | | | | 06/22/15 | 66.31 | 64.75 | |
| 5,543.38 | | | | 09/30/15 | 78.95 | 77.39 | |
| 5,551.13 | | | | 12/02/15 | 71.20 | 69.64 | |

# MW 4 Water Depth Over Time (ft. blmp)



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

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

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

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

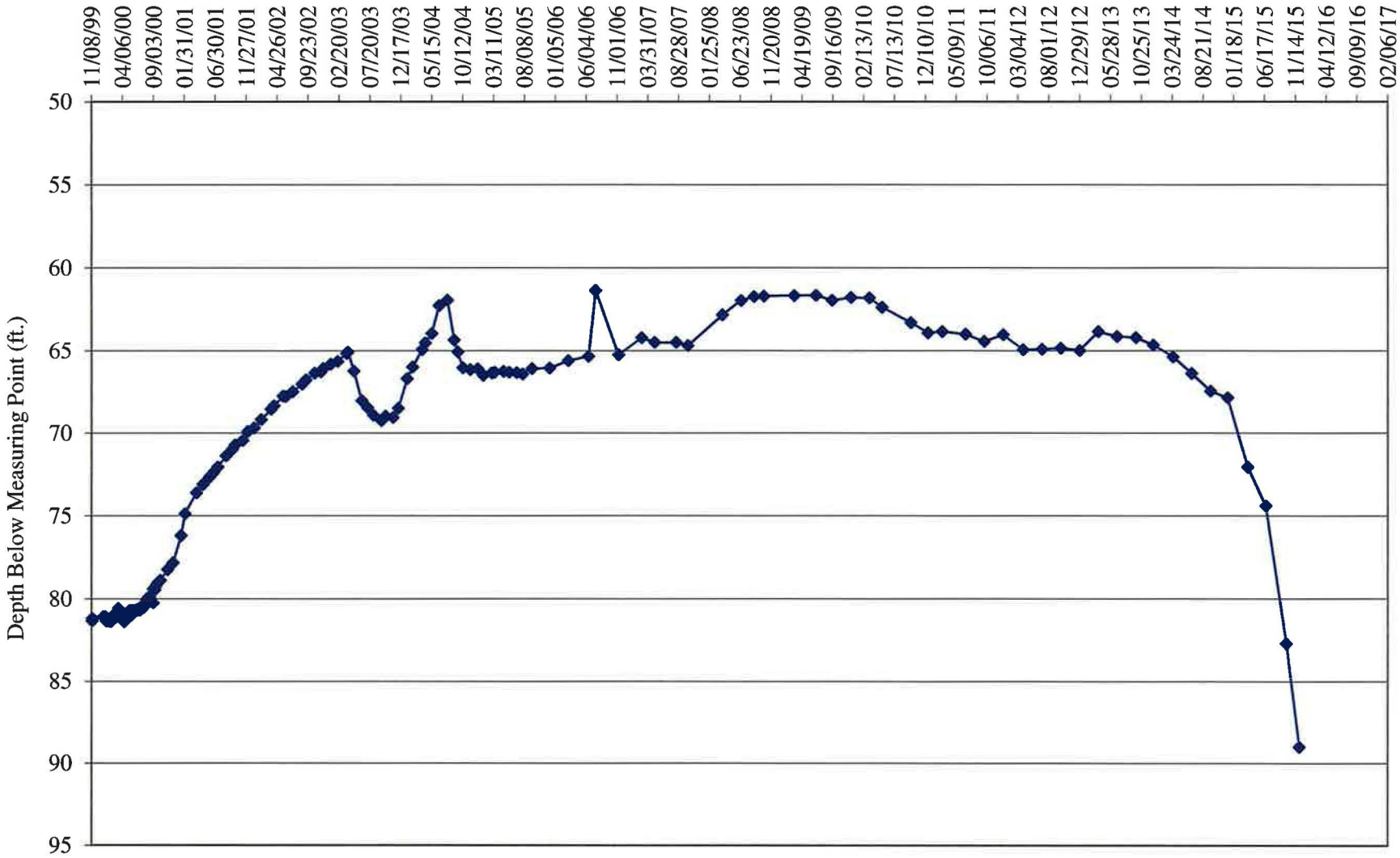
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-1

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| z | 5,620.77 | 5,618.58 | 1.02 | | | | 111.04 |
| 5,552.53 | | | | 10/11/04 | 66.05 | 65.03 | |
| 5,552.42 | | | | 11/16/04 | 66.16 | 65.14 | |
| 5,552.46 | | | | 12/22/04 | 66.12 | 65.10 | |
| 5,552.07 | | | | 01/18/05 | 66.51 | 65.49 | |
| 5,552.21 | | | | 02/28/05 | 66.37 | 65.35 | |
| 5,552.26 | | | | 03/15/05 | 66.32 | 65.30 | |
| 5,552.30 | | | | 04/26/05 | 66.28 | 65.26 | |
| 5,552.25 | | | | 05/24/05 | 66.33 | 65.31 | |
| 5,552.22 | | | | 06/30/05 | 66.36 | 65.34 | |
| 5,552.15 | | | | 07/29/05 | 66.43 | 65.41 | |
| 5,552.47 | | | | 09/12/05 | 66.11 | 65.09 | |
| 5,552.50 | | | | 12/07/05 | 66.08 | 65.06 | |
| 5,552.96 | | | | 03/08/06 | 65.62 | 64.60 | |
| 5,553.23 | | | | 06/14/06 | 65.35 | 64.33 | |
| 5,557.20 | | | | 07/18/06 | 61.38 | 60.36 | |
| 5,553.32 | | | | 11/07/06 | 65.26 | 64.24 | |
| 5,554.35 | | | | 02/27/07 | 64.23 | 63.21 | |
| 5,554.07 | | | | 05/02/07 | 64.51 | 63.49 | |
| 5,554.07 | | | | 08/14/07 | 64.51 | 63.49 | |
| 5,553.88 | | | | 10/10/07 | 64.70 | 63.68 | |
| 5,555.73 | | | | 03/26/08 | 62.85 | 61.83 | |
| 5,556.60 | | | | 06/24/08 | 61.98 | 60.96 | |
| 5,556.83 | | | | 08/26/08 | 61.75 | 60.73 | |
| 5,556.87 | | | | 10/14/08 | 61.71 | 60.69 | |
| 5,556.90 | | | | 03/10/09 | 61.68 | 60.66 | |
| 5,556.91 | | | | 06/24/09 | 61.67 | 60.65 | |
| 5,556.61 | | | | 09/10/09 | 61.97 | 60.95 | |
| 5,556.78 | | | | 12/11/09 | 61.8 | 60.78 | |
| 5,556.75 | | | | 03/11/10 | 61.83 | 60.81 | |
| 5,556.19 | | | | 05/11/10 | 62.39 | 61.37 | |
| 5,555.26 | | | | 09/29/10 | 63.32 | 62.30 | |
| 5,554.66 | | | | 12/21/10 | 63.92 | 62.90 | |
| 5,554.74 | | | | 02/28/11 | 63.84 | 62.82 | |
| 5,554.57 | | | | 06/21/11 | 64.01 | 62.99 | |
| 5,554.13 | | | | 09/20/11 | 64.45 | 63.43 | |
| 5,554.54 | | | | 12/21/11 | 64.04 | 63.02 | |
| 5,553.64 | | | | 03/27/12 | 64.94 | 63.92 | |
| 5,553.66 | | | | 06/28/12 | 64.92 | 63.90 | |
| 5,553.73 | | | | 09/27/12 | 64.85 | 63.83 | |
| 5,553.59 | | | | 12/28/12 | 64.99 | 63.97 | |
| 5,554.73 | | | | 03/28/13 | 63.85 | 62.83 | |
| 5,554.44 | | | | 06/27/13 | 64.14 | 63.12 | |
| 5,554.37 | | | | 09/27/13 | 64.21 | 63.19 | |

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

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| z | 5,620.77 | 5,618.58 | 1.02 | | | | 111.04 |
| 5,553.92 | | | | 12/20/13 | 64.66 | 63.64 | |
| 5,553.20 | | | | 03/27/14 | 65.38 | 64.36 | |
| 5,552.20 | | | | 06/25/14 | 66.38 | 65.36 | |
| 5,551.13 | | | | 09/25/14 | 67.45 | 66.43 | |
| 5,550.72 | | | | 12/17/14 | 67.86 | 66.84 | |
| 5,546.50 | | | | 03/26/15 | 72.08 | 71.06 | |
| 5,544.18 | | | | 06/22/15 | 74.40 | 73.38 | |
| 5,535.85 | | | | 09/30/15 | 82.73 | 81.71 | |
| 5,529.54 | | | | 12/02/15 | 89.04 | 88.02 | |

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



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

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.10 | 5,624.72 | 1.62 | | | | 121.125 |
| 5,548.57 | | | | 11/08/99 | 76.15 | 74.53 | |
| 5,548.57 | | | | 11/09/99 | 76.15 | 74.53 | |
| 5,548.32 | | | | 01/02/00 | 76.40 | 74.78 | |
| 5,548.52 | | | | 01/10/00 | 76.20 | 74.58 | |
| 5,548.32 | | | | 01/17/00 | 76.40 | 74.78 | |
| 5,548.72 | | | | 01/24/00 | 76.00 | 74.38 | |
| 5,548.62 | | | | 02/01/00 | 76.10 | 74.48 | |
| 5,548.62 | | | | 02/07/00 | 76.10 | 74.48 | |
| 5,549.02 | | | | 02/14/00 | 75.70 | 74.08 | |
| 5,549.12 | | | | 02/23/00 | 75.60 | 73.98 | |
| 5,549.22 | | | | 03/01/00 | 75.50 | 73.88 | |
| 5,549.32 | | | | 03/08/00 | 75.40 | 73.78 | |
| 5,549.22 | | | | 03/15/00 | 75.50 | 73.88 | |
| 5,549.92 | | | | 03/20/00 | 74.80 | 73.18 | |
| 5,549.72 | | | | 03/29/00 | 75.00 | 73.38 | |
| 5,549.42 | | | | 04/04/00 | 75.30 | 73.68 | |
| 5,549.52 | | | | 04/13/00 | 75.20 | 73.58 | |
| 5,549.72 | | | | 04/21/00 | 75.00 | 73.38 | |
| 5,549.82 | | | | 04/28/00 | 74.90 | 73.28 | |
| 5,549.82 | | | | 05/01/00 | 74.90 | 73.28 | |
| 5,550.12 | | | | 05/11/00 | 74.60 | 72.98 | |
| 5,549.82 | | | | 05/15/00 | 74.90 | 73.28 | |
| 5,550.12 | | | | 05/25/00 | 74.60 | 72.98 | |
| 5,550.12 | | | | 06/09/00 | 74.60 | 72.98 | |
| 5,550.22 | | | | 06/16/00 | 74.50 | 72.88 | |
| 5,550.07 | | | | 06/26/00 | 74.65 | 73.03 | |
| 5,550.17 | | | | 07/06/00 | 74.55 | 72.93 | |
| 5,550.17 | | | | 07/13/00 | 74.55 | 72.93 | |
| 5,550.18 | | | | 07/18/00 | 74.54 | 72.92 | |
| 5,550.33 | | | | 07/27/00 | 74.39 | 72.77 | |
| 5,550.38 | | | | 08/02/00 | 74.34 | 72.72 | |
| 5,550.40 | | | | 08/09/00 | 74.32 | 72.70 | |
| 5,550.42 | | | | 08/15/00 | 74.30 | 72.68 | |
| 5,550.54 | | | | 08/31/00 | 74.18 | 72.56 | |
| 5,550.87 | | | | 09/08/00 | 73.85 | 72.23 | |
| 5,550.97 | | | | 09/13/00 | 73.75 | 72.13 | |
| 5,551.04 | | | | 09/20/00 | 73.68 | 72.06 | |
| 5,545.83 | | | | 10/05/00 | 78.89 | 77.27 | |
| 5,546.47 | | | | 11/09/00 | 78.25 | 76.63 | |
| 5,546.88 | | | | 12/06/00 | 77.84 | 76.22 | |
| 5,552.18 | | | | 01/26/01 | 72.54 | 70.92 | |
| 5,552.20 | | | | 02/02/01 | 72.52 | 70.90 | |
| 5,551.10 | | | | 03/29/01 | 73.62 | 72.00 | |

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

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.10 | 5,624.72 | 1.62 | | | | 121.125 |
| 5,551.59 | | | | 04/30/01 | 73.13 | 71.51 | |
| 5,552.03 | | | | 05/31/01 | 72.69 | 71.07 | |
| 5,552.33 | | | | 06/21/01 | 72.39 | 70.77 | |
| 5,552.64 | | | | 07/10/01 | 72.08 | 70.46 | |
| 5,553.32 | | | | 08/20/01 | 71.40 | 69.78 | |
| 5,553.73 | | | | 09/19/01 | 70.99 | 69.37 | |
| 5,553.98 | | | | 10/02/01 | 70.74 | 69.12 | |
| 5,554.14 | | | | 11/08/01 | 70.58 | 68.96 | |
| 5,554.79 | | | | 12/03/01 | 69.93 | 68.31 | |
| 5,554.74 | | | | 01/03/02 | 69.98 | 68.36 | |
| 5,554.91 | | | | 02/06/02 | 69.81 | 68.19 | |
| 5,555.15 | | | | 03/26/02 | 69.57 | 67.95 | |
| 5,555.39 | | | | 04/09/02 | 69.33 | 67.71 | |
| 5,555.73 | | | | 05/23/02 | 68.99 | 67.37 | |
| 5,555.79 | | | | 06/05/02 | 68.93 | 67.31 | |
| 5,555.91 | | | | 07/08/02 | 68.81 | 67.19 | |
| 5,556.04 | | | | 08/23/02 | 68.68 | 67.06 | |
| 5,556.25 | | | | 09/11/02 | 68.47 | 66.85 | |
| 5,556.72 | | | | 10/23/02 | 68.00 | 66.38 | |
| 5,556.42 | | | | 11/22/02 | 68.30 | 66.68 | |
| 5,557.01 | | | | 12/03/02 | 67.71 | 66.09 | |
| 5,557.20 | | | | 01/09/03 | 67.52 | 65.90 | |
| 5,557.35 | | | | 02/12/03 | 67.37 | 65.75 | |
| 5,557.83 | | | | 03/26/03 | 66.89 | 65.27 | |
| 5,557.87 | | | | 04/02/03 | 66.85 | 65.23 | |
| 5,553.71 | | | | 05/01/03 | 71.01 | 69.39 | |
| 5,548.98 | | | | 06/09/03 | 75.74 | 74.12 | |
| 5,548.14 | | | | 07/07/03 | 76.58 | 74.96 | |
| 5,547.75 | | | | 08/04/03 | 76.97 | 75.35 | |
| 5,547.22 | | | | 09/11/03 | 77.50 | 75.88 | |
| 5,547.68 | | | | 10/02/03 | 77.04 | 75.42 | |
| 5,547.52 | | | | 11/07/03 | 77.20 | 75.58 | |
| 5,548.29 | | | | 12/03/03 | 76.43 | 74.81 | |
| 5,554.00 | | | | 01/15/04 | 70.72 | 69.10 | |
| 5,555.46 | | | | 02/10/04 | 69.26 | 67.64 | |
| 5,556.90 | | | | 03/28/04 | 67.82 | 66.20 | |
| 5,557.49 | | | | 04/12/04 | 67.23 | 65.61 | |
| 5,558.07 | | | | 05/13/04 | 66.65 | 65.03 | |
| 5,558.19 | | | | 06/18/04 | 66.53 | 64.91 | |
| 5,559.00 | | | | 07/28/04 | 65.72 | 64.10 | |
| 5,554.26 | | | | 08/30/04 | 70.46 | 68.84 | |
| 5,551.97 | | | | 09/16/04 | 72.75 | 71.13 | |
| 5,549.65 | | | | 10/11/04 | 75.07 | 73.45 | |

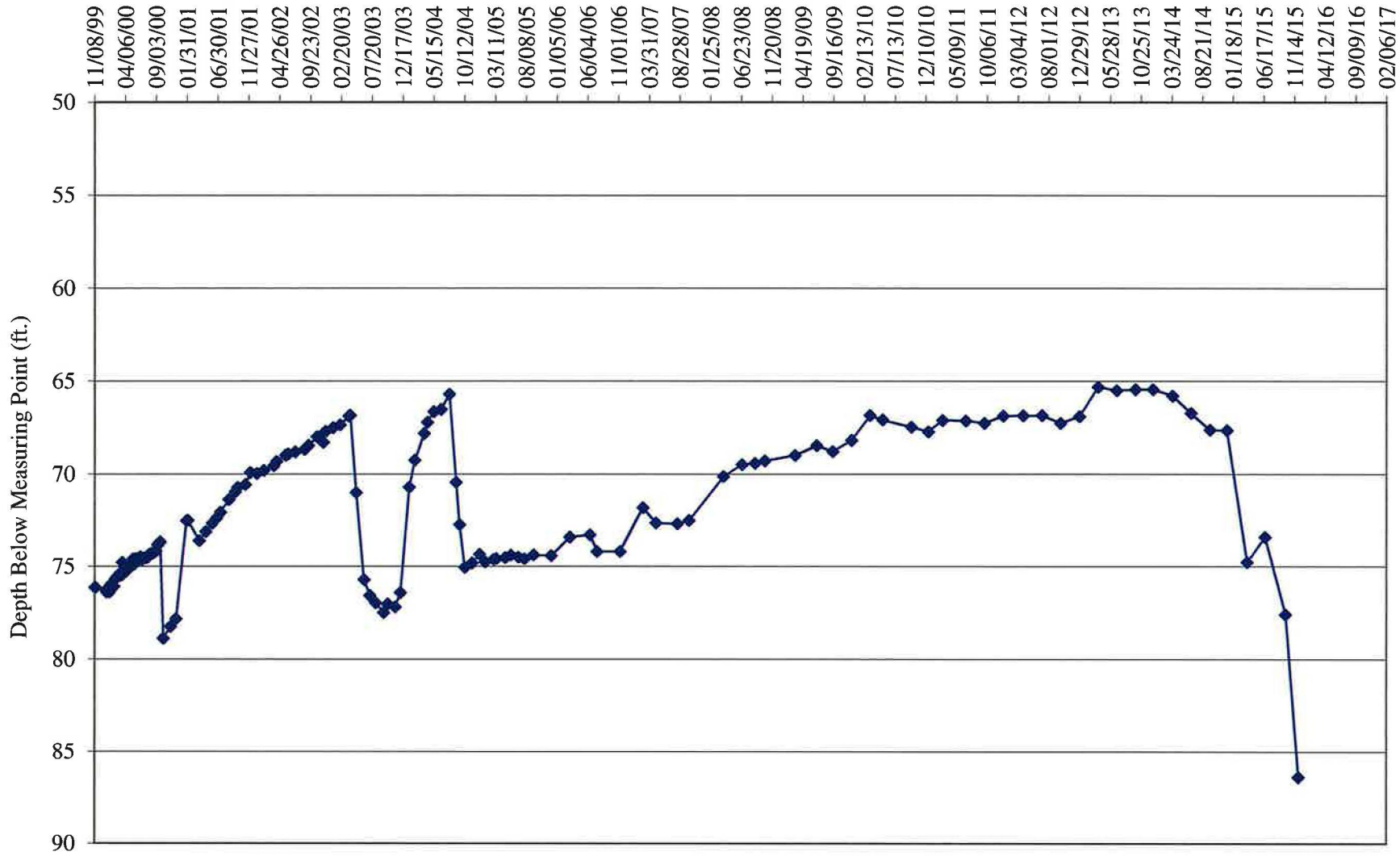
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-2

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.10 | 5,624.72 | 1.62 | | | | 121.125 |
| 5,549.89 | | | | 11/16/04 | 74.83 | 73.21 | |
| 5,550.37 | | | | 12/22/04 | 74.35 | 72.73 | |
| 5,549.95 | | | | 01/18/05 | 74.77 | 73.15 | |
| 5,550.09 | | | | 02/28/05 | 74.63 | 73.01 | |
| 5,550.13 | | | | 03/15/05 | 74.59 | 72.97 | |
| 5,550.18 | | | | 04/26/05 | 74.54 | 72.92 | |
| 5,550.32 | | | | 05/24/05 | 74.40 | 72.78 | |
| 5,550.21 | | | | 06/30/05 | 74.51 | 72.89 | |
| 5,550.11 | | | | 07/29/05 | 74.61 | 72.99 | |
| 5,550.33 | | | | 09/12/05 | 74.39 | 72.77 | |
| 5,550.29 | | | | 12/07/05 | 74.43 | 72.81 | |
| 5,551.30 | | | | 03/08/06 | 73.42 | 71.80 | |
| 5,551.42 | | | | 06/14/06 | 73.3 | 71.68 | |
| 5,550.52 | | | | 07/18/06 | 74.20 | 72.58 | |
| 5550.52 | | | | 11/07/06 | 74.20 | 72.58 | |
| 5552.89 | | | | 02/27/07 | 71.83 | 70.21 | |
| 5,552.06 | | | | 05/02/07 | 72.66 | 71.04 | |
| 5,552.02 | | | | 08/14/07 | 72.7 | 71.08 | |
| 5,552.20 | | | | 10/10/07 | 72.52 | 70.90 | |
| 5,554.58 | | | | 03/26/08 | 70.14 | 68.52 | |
| 5,555.23 | | | | 06/24/08 | 69.49 | 67.87 | |
| 5,555.29 | | | | 08/26/08 | 69.43 | 67.81 | |
| 5,555.43 | | | | 10/14/08 | 69.29 | 67.67 | |
| 5,555.73 | | | | 03/10/09 | 68.99 | 67.37 | |
| 5,556.25 | | | | 06/24/09 | 68.47 | 66.85 | |
| 5,555.94 | | | | 09/10/09 | 68.78 | 67.16 | |
| 5,556.53 | | | | 12/11/09 | 68.19 | 66.57 | |
| 5,557.87 | | | | 03/11/10 | 66.85 | 65.23 | |
| 5,557.63 | | | | 05/11/10 | 67.09 | 65.47 | |
| 5,557.24 | | | | 09/29/10 | 67.48 | 65.86 | |
| 5,557.00 | | | | 12/21/10 | 67.72 | 66.10 | |
| 5,557.61 | | | | 02/28/11 | 67.11 | 65.49 | |
| 5,557.58 | | | | 06/21/11 | 67.14 | 65.52 | |
| 5,557.46 | | | | 09/20/11 | 67.26 | 65.64 | |
| 5,557.84 | | | | 12/21/11 | 66.88 | 65.26 | |
| 5,557.86 | | | | 03/27/12 | 66.86 | 65.24 | |
| 5,557.87 | | | | 06/28/12 | 66.85 | 65.23 | |
| 5,557.46 | | | | 09/27/12 | 67.26 | 65.64 | |
| 5,557.82 | | | | 12/28/12 | 66.9 | 65.28 | |
| 5,559.39 | | | | 03/28/13 | 65.33 | 63.71 | |
| 5,559.21 | | | | 06/27/13 | 65.51 | 63.89 | |
| 5,559.26 | | | | 09/27/13 | 65.46 | 63.84 | |
| 5,559.27 | | | | 12/20/13 | 65.45 | 63.83 | |

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

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.10 | 5,624.72 | 1.62 | | | | 121.125 |
| 5,558.92 | | | | 03/27/14 | 65.8 | 64.18 | |
| 5,557.99 | | | | 06/25/14 | 66.73 | 65.11 | |
| 5,557.09 | | | | 09/25/14 | 67.63 | 66.01 | |
| 5,557.07 | | | | 12/17/14 | 67.65 | 66.03 | |
| 5,549.93 | | | | 03/26/15 | 74.79 | 73.17 | |
| 5,551.30 | | | | 06/22/15 | 73.42 | 71.80 | |
| 5,547.12 | | | | 09/30/15 | 77.60 | 75.98 | |
| 5,538.34 | | | | 12/02/15 | 86.38 | 84.76 | |

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



# Water Levels and Data over Time
## White Mesa Mill - Well TW4-3

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,631.21 | 5,632.23 | 1.02 | | | | 141 |
| 5,565.78 | | | | 11/29/99 | 66.45 | 65.43 | |
| 5,566.93 | | | | 01/02/00 | 65.30 | 64.28 | |
| 5,567.03 | | | | 01/10/00 | 65.20 | 64.18 | |
| 5,566.83 | | | | 01/17/00 | 65.40 | 64.38 | |
| 5,567.13 | | | | 01/24/00 | 65.10 | 64.08 | |
| 5,567.33 | | | | 02/01/00 | 64.90 | 63.88 | |
| 5,567.13 | | | | 02/07/00 | 65.10 | 64.08 | |
| 5,567.43 | | | | 02/14/00 | 64.80 | 63.78 | |
| 5,567.63 | | | | 02/23/00 | 64.60 | 63.58 | |
| 5,567.73 | | | | 03/01/00 | 64.50 | 63.48 | |
| 5,567.83 | | | | 03/08/00 | 64.40 | 63.38 | |
| 5,567.70 | | | | 03/15/00 | 64.53 | 63.51 | |
| 5,568.03 | | | | 03/20/00 | 64.20 | 63.18 | |
| 5,567.93 | | | | 03/29/00 | 64.30 | 63.28 | |
| 5,567.63 | | | | 04/04/00 | 64.60 | 63.58 | |
| 5,567.83 | | | | 04/13/00 | 64.40 | 63.38 | |
| 5,568.03 | | | | 04/21/00 | 64.20 | 63.18 | |
| 5,568.23 | | | | 04/28/00 | 64.00 | 62.98 | |
| 5,568.13 | | | | 05/01/00 | 64.10 | 63.08 | |
| 5,568.53 | | | | 05/11/00 | 63.70 | 62.68 | |
| 5,568.23 | | | | 05/15/00 | 64.00 | 62.98 | |
| 5,568.53 | | | | 05/25/00 | 63.70 | 62.68 | |
| 5,568.61 | | | | 06/09/00 | 63.62 | 62.60 | |
| 5,568.69 | | | | 06/16/00 | 63.54 | 62.52 | |
| 5,568.45 | | | | 06/26/00 | 63.78 | 62.76 | |
| 5,568.61 | | | | 07/06/00 | 63.62 | 62.60 | |
| 5,568.61 | | | | 07/06/00 | 63.62 | 62.60 | |
| 5,568.49 | | | | 07/13/00 | 63.74 | 62.72 | |
| 5,568.55 | | | | 07/18/00 | 63.68 | 62.66 | |
| 5,568.65 | | | | 07/27/00 | 63.58 | 62.56 | |
| 5,568.73 | | | | 08/02/00 | 63.50 | 62.48 | |
| 5,568.77 | | | | 08/09/00 | 63.46 | 62.44 | |
| 5,568.76 | | | | 08/16/00 | 63.47 | 62.45 | |
| 5,568.95 | | | | 08/31/00 | 63.28 | 62.26 | |
| 5,568.49 | | | | 09/08/00 | 63.74 | 62.72 | |
| 5,568.67 | | | | 09/13/00 | 63.56 | 62.54 | |
| 5,568.96 | | | | 09/20/00 | 63.27 | 62.25 | |
| 5,568.93 | | | | 10/05/00 | 63.3 | 62.28 | |
| 5,569.34 | | | | 11/09/00 | 62.89 | 61.87 | |
| 5,568.79 | | | | 12/06/00 | 63.44 | 62.42 | |
| 5,569.11 | | | | 01/03/01 | 63.12 | 62.10 | |
| 5,569.75 | | | | 02/09/01 | 62.48 | 61.46 | |
| 5,570.34 | | | | 03/28/01 | 61.89 | 60.87 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-3

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,631.21 | 5,632.23 | 1.02 | | | | 141 |
| 5,570.61 | | | | 04/30/01 | 61.62 | 60.60 | |
| 5,570.70 | | | | 05/31/01 | 61.53 | 60.51 | |
| 5,570.88 | | | | 06/21/01 | 61.35 | 60.33 | |
| 5,571.02 | | | | 07/10/01 | 61.21 | 60.19 | |
| 5,571.70 | | | | 08/20/01 | 60.53 | 59.51 | |
| 5,572.12 | | | | 09/19/01 | 60.11 | 59.09 | |
| 5,572.08 | | | | 10/02/01 | 60.15 | 59.13 | |
| 5,572.78 | | | | 11/08/01 | 59.45 | 58.43 | |
| 5,573.27 | | | | 12/03/01 | 58.96 | 57.94 | |
| 5,573.47 | | | | 01/03/02 | 58.76 | 57.74 | |
| 5,573.93 | | | | 02/06/02 | 58.30 | 57.28 | |
| 5,574.75 | | | | 03/26/02 | 57.48 | 56.46 | |
| 5,574.26 | | | | 04/09/02 | 57.97 | 56.95 | |
| 5,575.39 | | | | 05/23/02 | 56.84 | 55.82 | |
| 5,574.84 | | | | 06/05/02 | 57.39 | 56.37 | |
| 5,575.33 | | | | 07/08/02 | 56.90 | 55.88 | |
| 5,575.79 | | | | 08/23/02 | 56.44 | 55.42 | |
| 5,576.08 | | | | 09/11/02 | 56.15 | 55.13 | |
| 5,576.30 | | | | 10/23/02 | 55.93 | 54.91 | |
| 5,576.35 | | | | 11/22/02 | 55.88 | 54.86 | |
| 5,576.54 | | | | 12/03/02 | 55.69 | 54.67 | |
| 5,576.96 | | | | 01/09/03 | 55.27 | 54.25 | |
| 5,577.11 | | | | 02/12/03 | 55.12 | 54.10 | |
| 5,577.61 | | | | 03/26/03 | 54.62 | 53.60 | |
| 5,572.80 | | | | 04/02/03 | 59.43 | 58.41 | |
| 5,577.89 | | | | 05/01/03 | 54.34 | 53.32 | |
| 5,577.91 | | | | 06/09/03 | 54.32 | 53.30 | |
| 5,577.53 | | | | 07/07/03 | 54.70 | 53.68 | |
| 5,577.50 | | | | 08/04/03 | 54.73 | 53.71 | |
| 5,577.71 | | | | 09/11/03 | 54.52 | 53.50 | |
| 5,577.31 | | | | 10/02/03 | 54.92 | 53.90 | |
| 5,577.33 | | | | 11/07/03 | 54.90 | 53.88 | |
| 5,577.34 | | | | 12/03/03 | 54.89 | 53.87 | |
| 5,578.24 | | | | 01/15/04 | 53.99 | 52.97 | |
| 5,578.38 | | | | 02/10/04 | 53.85 | 52.83 | |
| 5,578.69 | | | | 03/28/04 | 53.54 | 52.52 | |
| 5,579.15 | | | | 04/12/04 | 53.08 | 52.06 | |
| 5,579.47 | | | | 05/13/04 | 52.76 | 51.74 | |
| 5,579.53 | | | | 06/18/04 | 52.70 | 51.68 | |
| 5,580.17 | | | | 07/28/04 | 52.06 | 51.04 | |
| 5,580.20 | | | | 08/30/04 | 52.03 | 51.01 | |
| 5,580.26 | | | | 09/16/04 | 51.97 | 50.95 | |
| 5,580.12 | | | | 10/11/04 | 52.11 | 51.09 | |

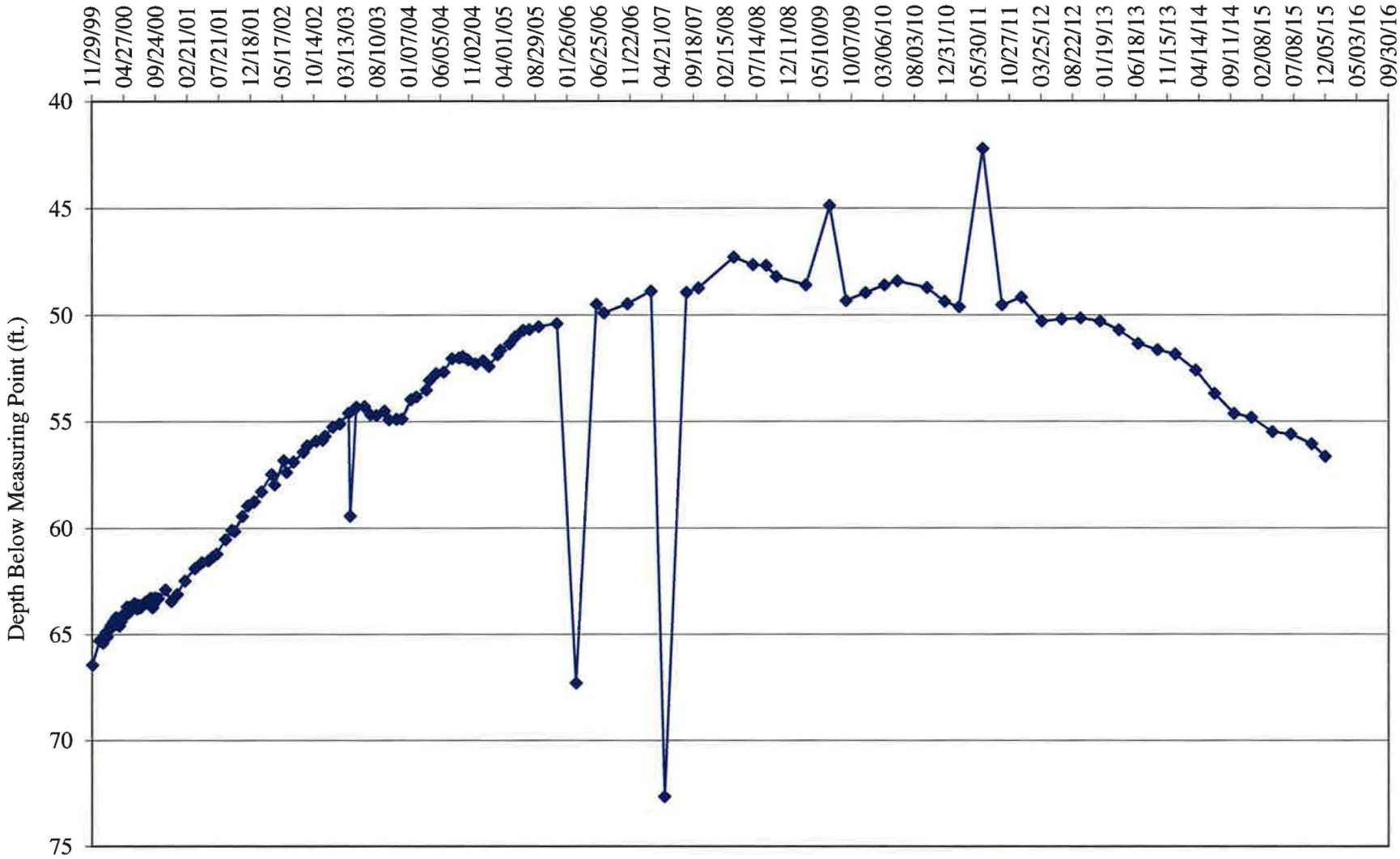
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-3

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,631.21 | 5,632.23 | 1.02 | | | | 141 |
| 5,579.93 | | | | 11/16/04 | 52.30 | 51.28 | |
| 5,580.07 | | | | 12/22/04 | 52.16 | 51.14 | |
| 5,579.80 | | | | 01/18/05 | 52.43 | 51.41 | |
| 5,580.35 | | | | 02/28/05 | 51.88 | 50.86 | |
| 5,580.57 | | | | 03/15/05 | 51.66 | 50.64 | |
| 5,580.86 | | | | 04/26/05 | 51.37 | 50.35 | |
| 5,581.20 | | | | 05/24/05 | 51.03 | 50.01 | |
| 5,581.51 | | | | 06/30/05 | 50.72 | 49.70 | |
| 5,581.55 | | | | 07/29/05 | 50.68 | 49.66 | |
| 5,581.68 | | | | 09/12/05 | 50.55 | 49.53 | |
| 5,581.83 | | | | 12/07/05 | 50.4 | 49.38 | |
| 5,564.92 | | | | 03/08/06 | 67.31 | 66.29 | |
| 5,582.73 | | | | 06/13/06 | 49.50 | 48.48 | |
| 5,582.33 | | | | 07/18/06 | 49.90 | 48.88 | |
| 5,582.75 | | | | 11/07/06 | 49.48 | 48.46 | |
| 5583.35 | | | | 02/27/07 | 48.88 | 47.86 | |
| 5,559.57 | | | | 05/02/07 | 72.66 | 71.64 | |
| 5,583.29 | | | | 08/14/07 | 48.94 | 47.92 | |
| 5,583.49 | | | | 10/10/07 | 48.74 | 47.72 | |
| 5,584.95 | | | | 03/26/08 | 47.28 | 46.26 | |
| 5,584.59 | | | | 06/24/08 | 47.64 | 46.62 | |
| 5,584.55 | | | | 08/26/08 | 47.68 | 46.66 | |
| 5,584.03 | | | | 10/14/08 | 48.2 | 47.18 | |
| 5,583.64 | | | | 03/03/09 | 48.59 | 47.57 | |
| 5,587.34 | | | | 06/24/09 | 44.89 | 43.87 | |
| 5,582.90 | | | | 09/10/09 | 49.33 | 48.31 | |
| 5,583.27 | | | | 12/11/09 | 48.96 | 47.94 | |
| 5,583.63 | | | | 03/11/10 | 48.6 | 47.58 | |
| 5,583.82 | | | | 05/11/10 | 48.41 | 47.39 | |
| 5,583.51 | | | | 09/29/10 | 48.72 | 47.70 | |
| 5,582.86 | | | | 12/21/10 | 49.37 | 48.35 | |
| 5,582.60 | | | | 02/28/11 | 49.63 | 48.61 | |
| 5,590.00 | | | | 06/21/11 | 42.23 | 41.21 | |
| 5,582.70 | | | | 09/20/11 | 49.53 | 48.51 | |
| 5,583.05 | | | | 12/21/11 | 49.18 | 48.16 | |
| 5,581.93 | | | | 03/27/12 | 50.30 | 49.28 | |
| 5,582.03 | | | | 06/28/12 | 50.20 | 49.18 | |
| 5,582.08 | | | | 09/27/12 | 50.15 | 49.13 | |
| 5,581.94 | | | | 12/28/12 | 50.29 | 49.27 | |
| 5,581.52 | | | | 03/28/13 | 50.71 | 49.69 | |
| 5,580.88 | | | | 06/27/13 | 51.35 | 50.33 | |
| 5,580.58 | | | | 09/27/13 | 51.65 | 50.63 | |
| 5,580.38 | | | | 12/20/13 | 51.85 | 50.83 | |

# 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 |
| 5,579.62 | | | | 03/27/14 | 52.61 | 51.59 | |
| 5,578.52 | | | | 06/25/14 | 53.71 | 52.69 | |
| 5,577.59 | | | | 09/25/14 | 54.64 | 53.62 | |
| 5,577.40 | | | | 12/17/14 | 54.83 | 53.81 | |
| 5,576.73 | | | | 03/26/15 | 55.50 | 54.48 | |
| 5,576.62 | | | | 06/22/15 | 55.61 | 54.59 | |
| 5,576.16 | | | | 09/30/15 | 56.07 | 55.05 | |
| 5,575.57 | | | | 12/02/15 | 56.66 | 55.64 | |

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



# Water Levels and Data over Time
# White Mesa Mill - Well TW4-4

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,612.301 | 5,613.485 | 1.184 | | | | 114.5 |
| 5,512.145 | | | | 05/25/00 | 101.34 | 100.16 | |
| 5,518.985 | | | | 06/09/00 | 94.50 | 93.32 | |
| 5,512.145 | | | | 06/16/00 | 101.34 | 100.16 | |
| 5,517.465 | | | | 06/26/00 | 96.02 | 94.84 | |
| 5,520.145 | | | | 07/06/00 | 93.34 | 92.16 | |
| 5,521.435 | | | | 07/13/00 | 92.05 | 90.87 | |
| 5,522.005 | | | | 07/18/00 | 91.48 | 90.30 | |
| 5,522.945 | | | | 07/27/00 | 90.54 | 89.36 | |
| 5,523.485 | | | | 08/02/00 | 90.00 | 88.82 | |
| 5,523.845 | | | | 08/09/00 | 89.64 | 88.46 | |
| 5,523.885 | | | | 08/15/00 | 89.60 | 88.42 | |
| 5,524.555 | | | | 09/01/00 | 88.93 | 87.75 | |
| 5,513.235 | | | | 09/08/00 | 100.25 | 99.07 | |
| 5,516.665 | | | | 09/13/00 | 96.82 | 95.64 | |
| 5,519.085 | | | | 09/20/00 | 94.40 | 93.22 | |
| 5,522.165 | | | | 10/05/00 | 91.32 | 90.14 | |
| 5,524.665 | | | | 11/09/00 | 88.82 | 87.64 | |
| 5,518.545 | | | | 12/06/00 | 94.94 | 93.76 | |
| 5,527.695 | | | | 01/03/01 | 85.79 | 84.61 | |
| 5,529.085 | | | | 02/09/01 | 84.40 | 83.22 | |
| 5,529.535 | | | | 03/27/01 | 83.95 | 82.77 | |
| 5,530.235 | | | | 04/30/01 | 83.25 | 82.07 | |
| 5,530.265 | | | | 05/31/01 | 83.22 | 82.04 | |
| 5,534.405 | | | | 06/22/01 | 79.08 | 77.90 | |
| 5,533.145 | | | | 07/10/01 | 80.34 | 79.16 | |
| 5,534.035 | | | | 08/20/01 | 79.45 | 78.27 | |
| 5,534.465 | | | | 09/19/01 | 79.02 | 77.84 | |
| 5,533.285 | | | | 10/02/01 | 80.20 | 79.02 | |
| 5,533.865 | | | | 11/08/01 | 79.62 | 78.44 | |
| 5,534.275 | | | | 12/03/01 | 79.21 | 78.03 | |
| 5,534.715 | | | | 01/03/02 | 78.77 | 77.59 | |
| 5,535.435 | | | | 02/06/02 | 78.05 | 76.87 | |
| 5,536.445 | | | | 03/26/02 | 77.04 | 75.86 | |
| 5,536.405 | | | | 04/09/02 | 77.08 | 75.90 | |
| 5,537.335 | | | | 05/23/02 | 76.15 | 74.97 | |
| 5,537.325 | | | | 06/05/02 | 76.16 | 74.98 | |
| 5,537.975 | | | | 07/08/02 | 75.51 | 74.33 | |
| 5,538.825 | | | | 08/23/02 | 74.66 | 73.48 | |
| 5,539.275 | | | | 09/11/02 | 74.21 | 73.03 | |
| 5,539.765 | | | | 10/23/02 | 73.72 | 72.54 | |
| 5,540.205 | | | | 11/22/02 | 73.28 | 72.10 | |
| 5,540.295 | | | | 12/03/02 | 73.19 | 72.01 | |
| 5,540.795 | | | | 01/09/03 | 72.69 | 71.51 | |

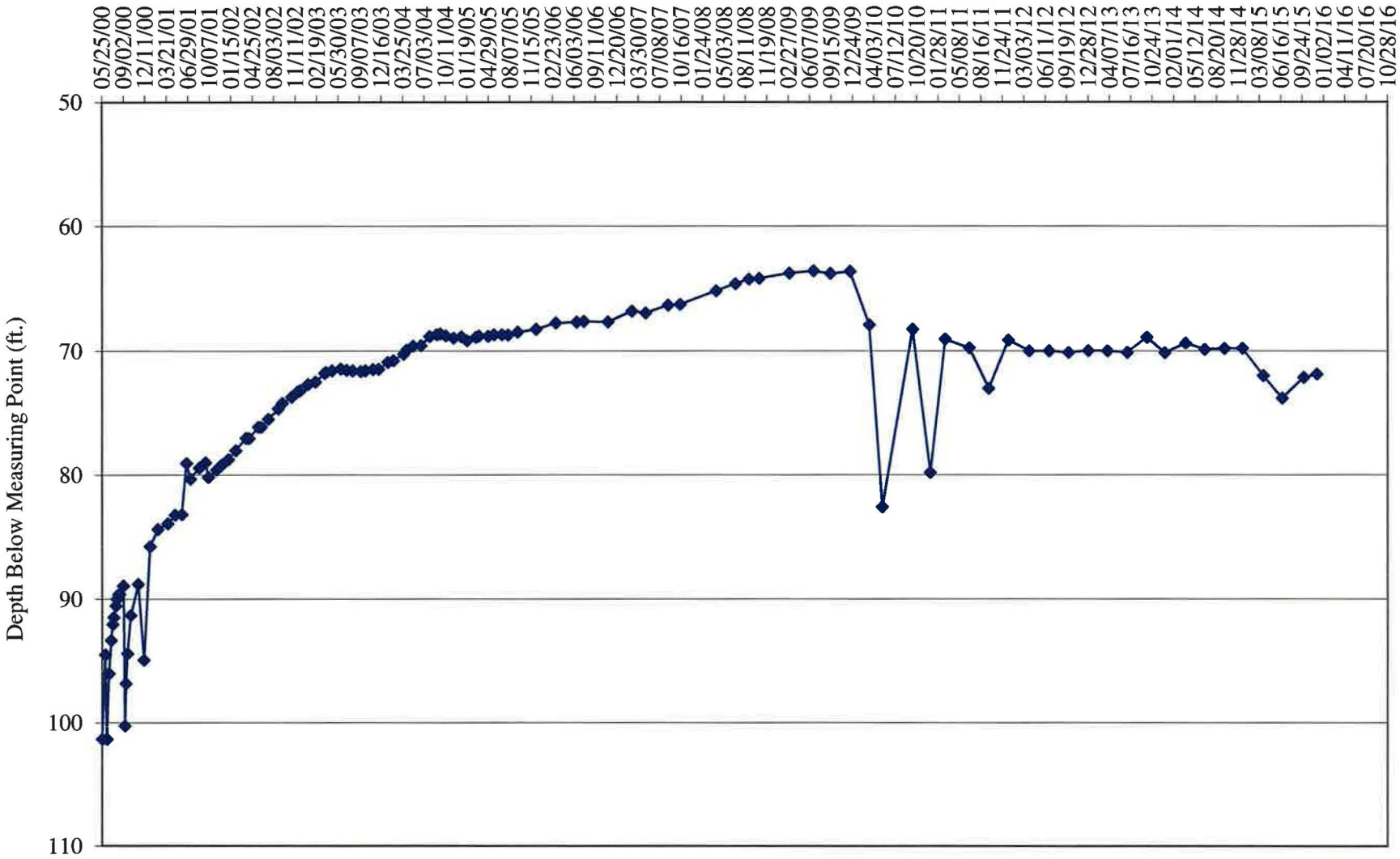
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-4

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,612.301 | 5,613.485 | 1.184 | | | | 114.5 |
| 5,540.985 | | | | 02/12/03 | 72.50 | 71.32 | |
| 5,541.675 | | | | 03/26/03 | 71.81 | 70.63 | |
| 5,541.765 | | | | 04/02/03 | 71.72 | 70.54 | |
| 5,541.885 | | | | 05/01/03 | 71.60 | 70.42 | |
| 5,542.025 | | | | 06/09/03 | 71.46 | 70.28 | |
| 5,541.925 | | | | 07/07/03 | 71.56 | 70.38 | |
| 5,541.885 | | | | 08/04/03 | 71.60 | 70.42 | |
| 5,541.825 | | | | 09/11/03 | 71.66 | 70.48 | |
| 5,541.885 | | | | 10/02/03 | 71.60 | 70.42 | |
| 5,541.995 | | | | 11/07/03 | 71.49 | 70.31 | |
| 5,542.005 | | | | 12/03/03 | 71.48 | 70.30 | |
| 5,542.555 | | | | 01/15/04 | 70.93 | 69.75 | |
| 5,542.705 | | | | 02/10/04 | 70.78 | 69.60 | |
| 5,543.225 | | | | 03/28/04 | 70.26 | 69.08 | |
| 5,543.555 | | | | 04/12/04 | 69.93 | 68.75 | |
| 5,543.865 | | | | 05/13/04 | 69.62 | 68.44 | |
| 5,543.915 | | | | 06/18/04 | 69.57 | 68.39 | |
| 5,544.655 | | | | 07/28/04 | 68.83 | 67.65 | |
| 5,544.795 | | | | 08/30/04 | 68.69 | 67.51 | |
| 5,544.845 | | | | 09/16/04 | 68.64 | 67.46 | |
| 5,544.705 | | | | 10/11/04 | 68.78 | 67.60 | |
| 5,544.525 | | | | 11/16/04 | 68.96 | 67.78 | |
| 5,544.625 | | | | 12/22/04 | 68.86 | 67.68 | |
| 5,544.305 | | | | 01/18/05 | 69.18 | 68.00 | |
| 5,544.585 | | | | 02/28/05 | 68.90 | 67.72 | |
| 5,544.685 | | | | 03/15/05 | 68.80 | 67.62 | |
| 5,544.675 | | | | 04/26/05 | 68.81 | 67.63 | |
| 5,544.785 | | | | 05/24/05 | 68.70 | 67.52 | |
| 5,544.795 | | | | 06/30/05 | 68.69 | 67.51 | |
| 5,544.775 | | | | 07/29/05 | 68.71 | 67.53 | |
| 5,545.005 | | | | 09/12/05 | 68.48 | 67.30 | |
| 5,545.225 | | | | 12/07/05 | 68.26 | 67.08 | |
| 5,545.735 | | | | 03/08/06 | 67.75 | 66.57 | |
| 5,545.785 | | | | 06/14/06 | 67.70 | 66.52 | |
| 5,545.855 | | | | 07/18/06 | 67.63 | 66.45 | |
| 5,545.805 | | | | 11/07/06 | 67.68 | 66.50 | |
| 5546.675 | | | | 02/27/07 | 66.81 | 65.63 | |
| 5,546.535 | | | | 05/02/07 | 66.95 | 65.77 | |
| 5,547.155 | | | | 08/15/07 | 66.33 | 65.15 | |
| 5,547.215 | | | | 10/10/07 | 66.27 | 65.09 | |
| 5,548.305 | | | | 03/26/08 | 65.18 | 64.00 | |
| 5,548.865 | | | | 06/24/08 | 64.62 | 63.44 | |
| 5,549.235 | | | | 08/26/08 | 64.25 | 63.07 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-4

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,612.301 | 5,613.485 | 1.184 | | | | 114.5 |
| 5,549.305 | | | | 10/14/08 | 64.18 | 63.00 | |
| 5,549.725 | | | | 03/03/09 | 63.76 | 62.58 | |
| 5,549.905 | | | | 06/24/09 | 63.58 | 62.40 | |
| 5,549.695 | | | | 09/10/09 | 63.79 | 62.61 | |
| 5,549.865 | | | | 12/11/09 | 63.62 | 62.44 | |
| 5,545.60 | | | | 03/11/10 | 67.89 | 66.71 | |
| 5,530.88 | | | | 05/11/10 | 82.61 | 81.43 | |
| 5,545.24 | | | | 09/29/10 | 68.25 | 67.07 | |
| 5,533.66 | | | | 12/21/10 | 79.83 | 78.65 | |
| 5,544.44 | | | | 02/28/11 | 69.05 | 67.87 | |
| 5,543.73 | | | | 06/21/11 | 69.76 | 68.58 | |
| 5,540.48 | | | | 09/20/11 | 73.01 | 71.83 | |
| 5,544.36 | | | | 12/21/11 | 69.13 | 67.95 | |
| 5,543.48 | | | | 03/27/12 | 70.01 | 68.83 | |
| 5,543.49 | | | | 06/28/12 | 70.00 | 68.82 | |
| 5,543.36 | | | | 09/27/12 | 70.13 | 68.95 | |
| 5,543.51 | | | | 12/28/12 | 69.98 | 68.80 | |
| 5,543.49 | | | | 03/28/13 | 70.00 | 68.82 | |
| 5,543.36 | | | | 06/27/13 | 70.13 | 68.95 | |
| 5,544.59 | | | | 09/27/13 | 68.90 | 67.72 | |
| 5,543.33 | | | | 12/20/13 | 70.16 | 68.98 | |
| 5,544.11 | | | | 03/27/14 | 69.38 | 68.20 | |
| 5,543.61 | | | | 06/25/14 | 69.88 | 68.70 | |
| 5,543.67 | | | | 09/25/14 | 69.82 | 68.64 | |
| 5,543.69 | | | | 12/17/14 | 69.80 | 68.62 | |
| 5,541.49 | | | | 03/26/15 | 72.00 | 70.82 | |
| 5,539.67 | | | | 06/22/15 | 73.82 | 72.64 | |
| 5,541.35 | | | | 09/30/15 | 72.14 | 70.96 | |
| 5,541.63 | | | | 12/02/15 | 71.86 | 70.68 | |

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



# Water Levels and Data over Time
# White Mesa Mill - Well TW4-5

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,638.75 | 5,640.70 | 1.95 | | | | 121.75 |
| 5,579.30 | | | | 01/02/00 | 61.40 | 59.45 | |
| 5,579.60 | | | | 01/10/00 | 61.10 | 59.15 | |
| 5,579.35 | | | | 01/17/00 | 61.35 | 59.40 | |
| 5,579.60 | | | | 01/24/00 | 61.10 | 59.15 | |
| 5,579.50 | | | | 02/01/00 | 61.20 | 59.25 | |
| 5,579.50 | | | | 02/07/00 | 61.20 | 59.25 | |
| 5,579.90 | | | | 02/14/00 | 60.80 | 58.85 | |
| 5,579.90 | | | | 02/23/00 | 60.80 | 58.85 | |
| 5,580.20 | | | | 03/01/00 | 60.50 | 58.55 | |
| 5,580.00 | | | | 03/08/00 | 60.70 | 58.75 | |
| 5,580.04 | | | | 03/15/00 | 60.66 | 58.71 | |
| 5,580.70 | | | | 03/20/00 | 60.00 | 58.05 | |
| 5,580.30 | | | | 03/29/00 | 60.40 | 58.45 | |
| 5,580.00 | | | | 04/04/00 | 60.70 | 58.75 | |
| 5,580.20 | | | | 04/13/00 | 60.50 | 58.55 | |
| 5,580.40 | | | | 04/21/00 | 60.30 | 58.35 | |
| 5,580.50 | | | | 04/28/00 | 60.20 | 58.25 | |
| 5,580.50 | | | | 05/01/00 | 60.20 | 58.25 | |
| 5,580.90 | | | | 05/11/00 | 59.80 | 57.85 | |
| 5,580.50 | | | | 05/15/00 | 60.20 | 58.25 | |
| 5,580.75 | | | | 05/25/00 | 59.95 | 58.00 | |
| 5,580.80 | | | | 06/09/00 | 59.90 | 57.95 | |
| 5,580.92 | | | | 06/16/00 | 59.78 | 57.83 | |
| 5,580.80 | | | | 06/26/00 | 59.90 | 57.95 | |
| 5,580.90 | | | | 07/06/00 | 59.80 | 57.85 | |
| 5,581.05 | | | | 07/13/00 | 59.65 | 57.70 | |
| 5,580.90 | | | | 07/18/00 | 59.80 | 57.85 | |
| 5,581.05 | | | | 07/27/00 | 59.65 | 57.70 | |
| 5,581.06 | | | | 08/02/00 | 59.64 | 57.69 | |
| 5,581.08 | | | | 08/09/00 | 59.62 | 57.67 | |
| 5,581.07 | | | | 08/16/00 | 59.63 | 57.68 | |
| 5,581.25 | | | | 08/31/00 | 59.45 | 57.50 | |
| 5,581.32 | | | | 09/08/00 | 59.38 | 57.43 | |
| 5,581.34 | | | | 09/13/00 | 59.36 | 57.41 | |
| 5,581.41 | | | | 09/20/00 | 59.29 | 57.34 | |
| 5,581.37 | | | | 10/05/00 | 59.33 | 57.38 | |
| 5,581.66 | | | | 11/09/00 | 59.04 | 57.09 | |
| 5,581.63 | | | | 12/06/00 | 59.07 | 57.12 | |
| 5,581.92 | | | | 01/03/01 | 58.78 | 56.83 | |
| 5,582.20 | | | | 02/09/01 | 58.50 | 56.55 | |
| 5,582.54 | | | | 03/28/01 | 58.16 | 56.21 | |
| 5,582.72 | | | | 04/30/01 | 57.98 | 56.03 | |
| 5,582.72 | | | | 05/31/01 | 57.98 | 56.03 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-5

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,638.75 | 5,640.70 | 1.95 | | | | 121.75 |
| 5,582.81 | | | | 06/22/01 | 57.89 | 55.94 | |
| 5,582.92 | | | | 07/10/01 | 57.78 | 55.83 | |
| 5,583.17 | | | | 08/20/01 | 57.53 | 55.58 | |
| 5,583.28 | | | | 09/19/01 | 57.42 | 55.47 | |
| 5,583.36 | | | | 10/02/01 | 57.34 | 55.39 | |
| 5,583.49 | | | | 11/08/01 | 57.21 | 55.26 | |
| 5,583.84 | | | | 12/03/01 | 56.86 | 54.91 | |
| 5,583.79 | | | | 01/03/02 | 56.91 | 54.96 | |
| 5,583.96 | | | | 02/06/02 | 56.74 | 54.79 | |
| 5,584.39 | | | | 03/26/02 | 56.31 | 54.36 | |
| 5,584.12 | | | | 04/09/02 | 56.58 | 54.63 | |
| 5,584.55 | | | | 05/23/02 | 56.15 | 54.20 | |
| 5,584.42 | | | | 06/05/02 | 56.28 | 54.33 | |
| 5,583.65 | | | | 07/08/02 | 57.05 | 55.10 | |
| 5,584.90 | | | | 08/23/02 | 55.80 | 53.85 | |
| 5,585.02 | | | | 09/11/02 | 55.68 | 53.73 | |
| 5,585.20 | | | | 10/23/02 | 55.50 | 53.55 | |
| 5,585.15 | | | | 11/22/02 | 55.55 | 53.60 | |
| 5,585.42 | | | | 12/03/02 | 55.28 | 53.33 | |
| 5,585.65 | | | | 01/09/03 | 55.05 | 53.10 | |
| 5,585.65 | | | | 02/12/03 | 55.05 | 53.10 | |
| 5,585.92 | | | | 03/26/03 | 54.78 | 52.83 | |
| 5,586.22 | | | | 04/02/03 | 54.48 | 52.53 | |
| 5,586.01 | | | | 05/01/03 | 54.69 | 52.74 | |
| 5,584.81 | | | | 06/09/03 | 55.89 | 53.94 | |
| 5,584.34 | | | | 07/07/03 | 56.36 | 54.41 | |
| 5,584.40 | | | | 08/04/03 | 56.30 | 54.35 | |
| 5,583.88 | | | | 09/11/03 | 56.82 | 54.87 | |
| 5,583.57 | | | | 10/02/03 | 57.13 | 55.18 | |
| 5,583.39 | | | | 11/07/03 | 57.31 | 55.36 | |
| 5,583.97 | | | | 12/03/03 | 56.73 | 54.78 | |
| 5,585.28 | | | | 01/15/04 | 55.42 | 53.47 | |
| 5,585.50 | | | | 02/10/04 | 55.20 | 53.25 | |
| 5,585.87 | | | | 03/28/04 | 54.83 | 52.88 | |
| 5,586.20 | | | | 04/12/04 | 54.50 | 52.55 | |
| 5,586.45 | | | | 05/13/04 | 54.25 | 52.30 | |
| 5,586.50 | | | | 06/18/04 | 54.20 | 52.25 | |
| 5,587.13 | | | | 07/28/04 | 53.57 | 51.62 | |
| 5,586.22 | | | | 08/30/04 | 54.48 | 52.53 | |
| 5,585.69 | | | | 09/16/04 | 55.01 | 53.06 | |
| 5,585.17 | | | | 10/11/04 | 55.53 | 53.58 | |
| 5,584.64 | | | | 11/16/04 | 56.06 | 54.11 | |
| 5,584.77 | | | | 12/22/04 | 55.93 | 53.98 | |

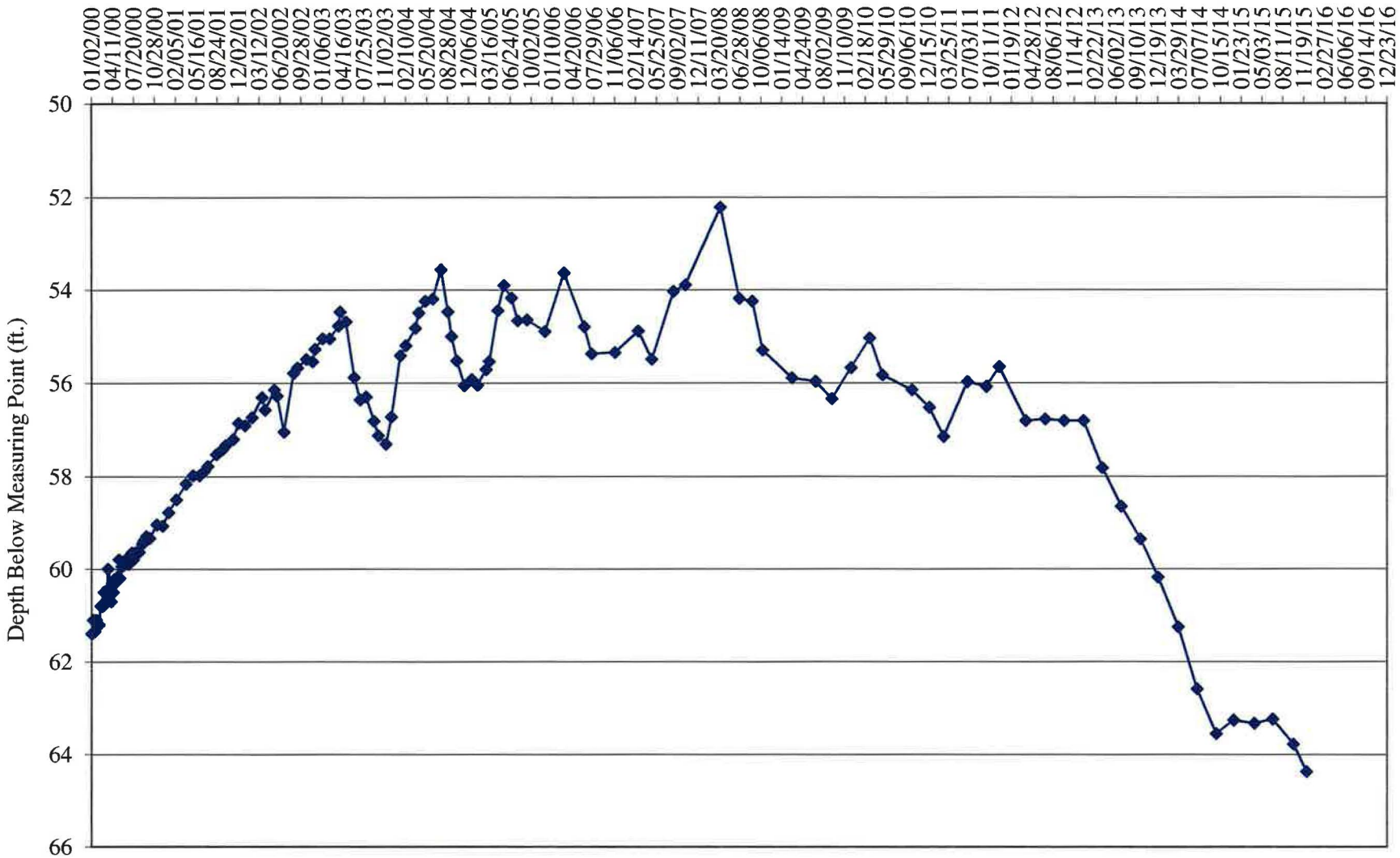
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-5

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,638.75 | 5,640.70 | 1.95 | | | | 121.75 |
| 5,584.65 | | | | 01/18/05 | 56.05 | 54.10 | |
| 5,584.98 | | | | 02/28/05 | 55.72 | 53.77 | |
| 5,585.15 | | | | 03/15/05 | 55.55 | 53.60 | |
| 5,586.25 | | | | 04/26/05 | 54.45 | 52.50 | |
| 5,586.79 | | | | 05/24/05 | 53.91 | 51.96 | |
| 5,586.52 | | | | 06/30/05 | 54.18 | 52.23 | |
| 5,586.03 | | | | 07/29/05 | 54.67 | 52.72 | |
| 5,586.05 | | | | 09/12/05 | 54.65 | 52.70 | |
| 5,585.80 | | | | 12/07/05 | 54.90 | 52.95 | |
| 5,587.06 | | | | 03/08/06 | 53.64 | 51.69 | |
| 5,585.90 | | | | 06/13/06 | 54.80 | 52.85 | |
| 5,585.32 | | | | 07/18/06 | 55.38 | 53.43 | |
| 5,585.35 | | | | 11/07/06 | 55.35 | 53.40 | |
| 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 | |
| 5,584.72 | | | | 06/21/11 | 55.98 | 54.03 | |
| 5,584.62 | | | | 09/20/11 | 56.08 | 54.13 | |
| 5,585.04 | | | | 11/21/11 | 55.66 | 53.71 | |
| 5,583.89 | | | | 03/27/12 | 56.81 | 54.86 | |
| 5,583.92 | | | | 06/28/12 | 56.78 | 54.83 | |
| 5,583.89 | | | | 09/27/12 | 56.81 | 54.86 | |
| 5,583.89 | | | | 12/28/12 | 56.81 | 54.86 | |
| 5,582.88 | | | | 03/28/13 | 57.82 | 55.87 | |
| 5,582.05 | | | | 06/27/13 | 58.65 | 56.70 | |
| 5,581.35 | | | | 09/27/13 | 59.35 | 57.40 | |
| 5,580.52 | | | | 12/20/13 | 60.18 | 58.23 | |
| 5,579.44 | | | | 03/27/14 | 61.26 | 59.31 | |
| 5,578.11 | | | | 06/25/14 | 62.59 | 60.64 | |

## 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 |
| 5,577.15 | | | | 09/25/14 | 63.55 | 61.60 | |
| 5,577.44 | | | | 12/17/14 | 63.26 | 61.31 | |
| 5,577.37 | | | | 03/26/15 | 63.33 | 61.38 | |
| 5,577.46 | | | | 06/22/15 | 63.24 | 61.29 | |
| 5,576.92 | | | | 09/30/15 | 63.78 | 61.83 | |
| 5,576.33 | | | | 12/02/15 | 64.37 | 62.42 | |

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



# Water Levels and Data over Time
## White Mesa Mill - Well TW4-6

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,607.33 | 5,608.78 | 1.450 | | | | 98.55 |
| 5,522.28 | | | | 05/25/00 | 86.50 | 85.05 | |
| 5,521.51 | | | | 06/09/00 | 87.27 | 85.82 | |
| 5,522.35 | | | | 06/16/00 | 86.43 | 84.98 | |
| 5,522.14 | | | | 06/26/00 | 86.64 | 85.19 | |
| 5,522.25 | | | | 07/06/00 | 86.53 | 85.08 | |
| 5,522.13 | | | | 07/13/00 | 86.65 | 85.20 | |
| 5,522.17 | | | | 07/18/00 | 86.61 | 85.16 | |
| 5,522.26 | | | | 07/25/00 | 86.52 | 85.07 | |
| 5,522.31 | | | | 08/02/00 | 86.47 | 85.02 | |
| 5,522.33 | | | | 08/09/00 | 86.45 | 85.00 | |
| 5,522.35 | | | | 08/15/00 | 86.43 | 84.98 | |
| 5,522.40 | | | | 08/31/00 | 86.38 | 84.93 | |
| 5,522.40 | | | | 09/08/00 | 86.38 | 84.93 | |
| 5,522.45 | | | | 09/13/00 | 86.33 | 84.88 | |
| 5,522.53 | | | | 09/20/00 | 86.25 | 84.80 | |
| 5,522.39 | | | | 10/05/00 | 86.39 | 84.94 | |
| 5,522.42 | | | | 11/09/00 | 86.36 | 84.91 | |
| 5,522.29 | | | | 12/06/00 | 86.49 | 85.04 | |
| 5,522.63 | | | | 01/03/01 | 86.15 | 84.70 | |
| 5,522.72 | | | | 02/09/01 | 86.06 | 84.61 | |
| 5,522.90 | | | | 03/26/01 | 85.88 | 84.43 | |
| 5,522.70 | | | | 04/30/01 | 86.08 | 84.63 | |
| 5,522.89 | | | | 05/31/01 | 85.89 | 84.44 | |
| 5,522.88 | | | | 06/20/01 | 85.90 | 84.45 | |
| 5,522.96 | | | | 07/10/01 | 85.82 | 84.37 | |
| 5,523.10 | | | | 08/20/01 | 85.68 | 84.23 | |
| 5,523.23 | | | | 09/19/01 | 85.55 | 84.10 | |
| 5,523.21 | | | | 10/02/01 | 85.57 | 84.12 | |
| 5,523.25 | | | | 11/08/01 | 85.53 | 84.08 | |
| 5,523.46 | | | | 12/03/01 | 85.32 | 83.87 | |
| 5,523.36 | | | | 01/03/02 | 85.42 | 83.97 | |
| 5,523.50 | | | | 02/06/02 | 85.28 | 83.83 | |
| 5,523.94 | | | | 03/26/02 | 84.84 | 83.39 | |
| 5,523.75 | | | | 04/09/02 | 85.03 | 83.58 | |
| 5,524.23 | | | | 05/23/02 | 84.55 | 83.10 | |
| 5,523.98 | | | | 06/05/02 | 84.80 | 83.35 | |
| 5,524.31 | | | | 07/08/02 | 84.47 | 83.02 | |
| 5,524.36 | | | | 08/23/02 | 84.42 | 82.97 | |
| 5,524.49 | | | | 09/11/02 | 84.29 | 82.84 | |
| 5,524.71 | | | | 10/23/02 | 84.07 | 82.62 | |
| 5,524.60 | | | | 11/22/02 | 84.18 | 82.73 | |
| 5,524.94 | | | | 12/03/02 | 83.84 | 82.39 | |
| 5,525.10 | | | | 01/09/03 | 83.68 | 82.23 | |

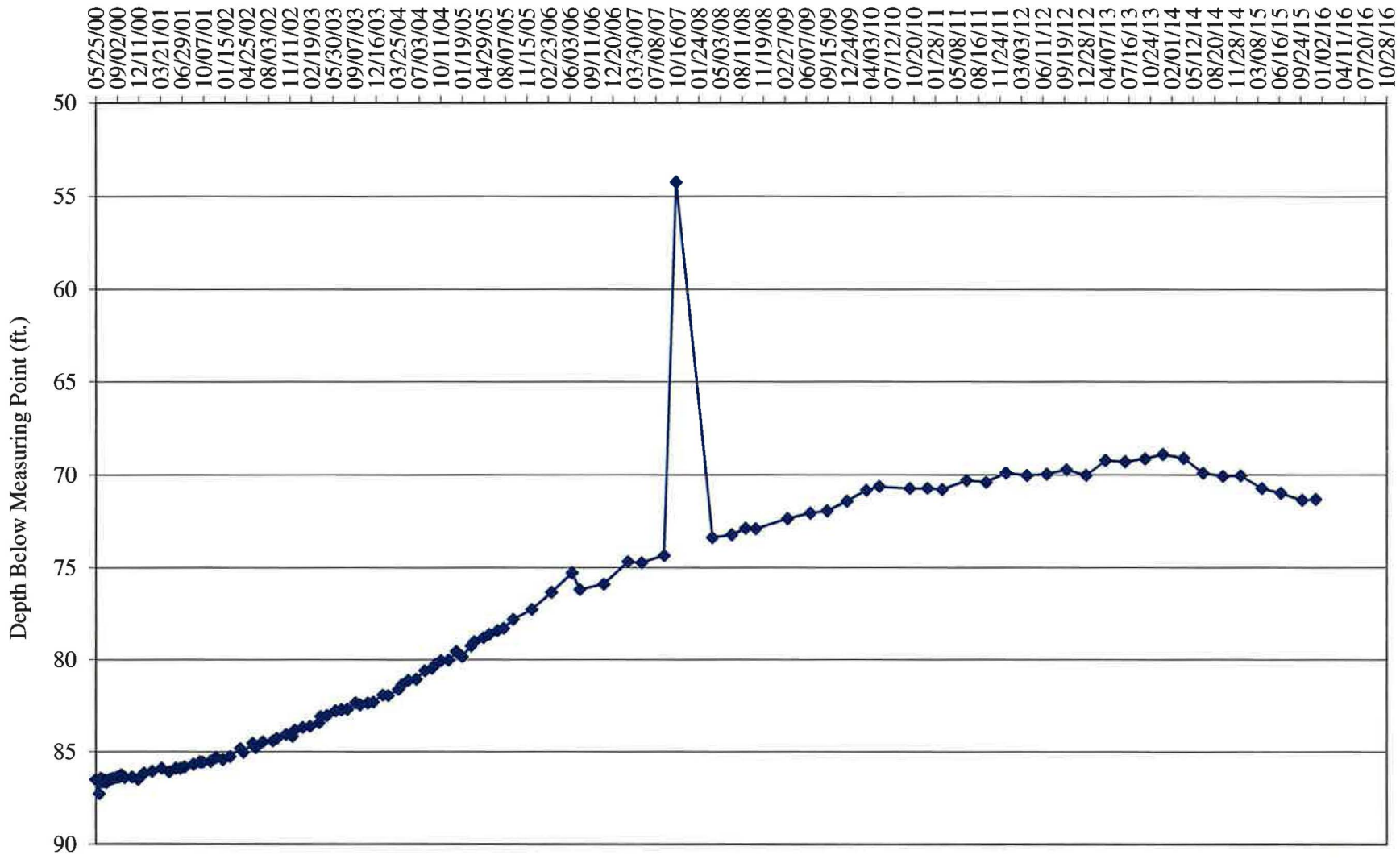
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-6

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,607.33 | 5,608.78 | 1.450 | | | | 98.55 |
| 5,525.15 | | | | 02/12/03 | 83.63 | 82.18 | |
| 5,525.35 | | | | 03/26/03 | 83.43 | 81.98 | |
| 5,525.68 | | | | 04/02/03 | 83.10 | 81.65 | |
| 5,525.74 | | | | 05/01/03 | 83.04 | 81.59 | |
| 5,525.98 | | | | 06/09/03 | 82.80 | 81.35 | |
| 5,526.04 | | | | 07/07/03 | 82.74 | 81.29 | |
| 5,526.07 | | | | 08/04/03 | 82.71 | 81.26 | |
| 5,526.42 | | | | 09/11/03 | 82.36 | 80.91 | |
| 5,526.30 | | | | 10/02/03 | 82.48 | 81.03 | |
| 5,526.41 | | | | 11/07/03 | 82.37 | 80.92 | |
| 5,526.46 | | | | 12/03/03 | 82.32 | 80.87 | |
| 5,526.83 | | | | 01/15/04 | 81.95 | 80.50 | |
| 5,526.81 | | | | 02/10/04 | 81.97 | 80.52 | |
| 5,527.14 | | | | 03/28/04 | 81.64 | 80.19 | |
| 5,527.39 | | | | 04/12/04 | 81.39 | 79.94 | |
| 5,527.64 | | | | 05/13/04 | 81.14 | 79.69 | |
| 5,527.70 | | | | 06/18/04 | 81.08 | 79.63 | |
| 5,528.16 | | | | 07/28/04 | 80.62 | 79.17 | |
| 5,528.30 | | | | 08/30/04 | 80.48 | 79.03 | |
| 5,528.52 | | | | 09/16/04 | 80.26 | 78.81 | |
| 5,528.71 | | | | 10/11/04 | 80.07 | 78.62 | |
| 5,528.74 | | | | 11/16/04 | 80.04 | 78.59 | |
| 5,529.20 | | | | 12/22/04 | 79.58 | 78.13 | |
| 5,528.92 | | | | 01/18/05 | 79.86 | 78.41 | |
| 5,529.51 | | | | 02/28/05 | 79.27 | 77.82 | |
| 5,529.74 | | | | 03/15/05 | 79.04 | 77.59 | |
| 5,529.96 | | | | 04/26/05 | 78.82 | 77.37 | |
| 5,530.15 | | | | 05/24/05 | 78.63 | 77.18 | |
| 5,530.35 | | | | 06/30/05 | 78.43 | 76.98 | |
| 5,530.47 | | | | 07/29/05 | 78.31 | 76.86 | |
| 5,530.95 | | | | 09/12/05 | 77.83 | 76.38 | |
| 5,531.50 | | | | 12/07/05 | 77.28 | 75.83 | |
| 5,532.43 | | | | 03/08/06 | 76.35 | 74.90 | |
| 5,533.49 | | | | 06/13/06 | 75.29 | 73.84 | |
| 5,532.58 | | | | 07/18/06 | 76.20 | 74.75 | |
| 5,532.88 | | | | 11/07/06 | 75.90 | 74.45 | |
| 5534.09 | | | | 02/27/07 | 74.69 | 73.24 | |
| 5,534.04 | | | | 05/02/07 | 74.74 | 73.29 | |
| 5,534.43 | | | | 08/14/07 | 74.35 | 72.90 | |
| 5,554.54 | | | | 10/10/07 | 54.24 | 52.79 | |
| 5,535.40 | | | | 03/26/08 | 73.38 | 71.93 | |
| 5,535.55 | | | | 06/24/08 | 73.23 | 71.78 | |
| 5,535.90 | | | | 08/26/08 | 72.88 | 71.43 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-6

| Water Elevation (z) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,607.33 | 5,608.78 | 1.450 | | | | 98.55 |
| 5,535.87 | | | | 10/14/08 | 72.91 | 71.46 | |
| 5,536.42 | | | | 03/10/09 | 72.36 | 70.91 | |
| 5,536.71 | | | | 06/24/09 | 72.07 | 70.62 | |
| 5,536.83 | | | | 09/10/09 | 71.95 | 70.50 | |
| 5,537.35 | | | | 12/11/09 | 71.43 | 69.98 | |
| 5,537.93 | | | | 03/11/10 | 70.85 | 69.40 | |
| 5,538.14 | | | | 05/11/10 | 70.64 | 69.19 | |
| 5,538.03 | | | | 09/29/10 | 70.75 | 69.30 | |
| 5,538.04 | | | | 12/21/10 | 70.74 | 69.29 | |
| 5,537.98 | | | | 02/28/11 | 70.8 | 69.35 | |
| 5,538.46 | | | | 06/21/11 | 70.32 | 68.87 | |
| 5,538.37 | | | | 09/20/11 | 70.41 | 68.96 | |
| 5,538.87 | | | | 12/21/11 | 69.91 | 68.46 | |
| 5,538.73 | | | | 03/27/12 | 70.05 | 68.60 | |
| 5,538.80 | | | | 06/28/12 | 69.98 | 68.53 | |
| 5,539.04 | | | | 09/27/12 | 69.74 | 68.29 | |
| 5,538.74 | | | | 12/28/12 | 70.04 | 68.59 | |
| 5,539.53 | | | | 03/28/13 | 69.25 | 67.80 | |
| 5,539.46 | | | | 06/27/13 | 69.32 | 67.87 | |
| 5,539.62 | | | | 09/27/13 | 69.16 | 67.71 | |
| 5,539.85 | | | | 12/20/13 | 68.93 | 67.48 | |
| 5,539.65 | | | | 03/27/14 | 69.13 | 67.68 | |
| 5,538.85 | | | | 06/25/14 | 69.93 | 68.48 | |
| 5,538.69 | | | | 09/25/14 | 70.09 | 68.64 | |
| 5,538.71 | | | | 12/17/14 | 70.07 | 68.62 | |
| 5,538.03 | | | | 03/26/15 | 70.75 | 69.30 | |
| 5,537.78 | | | | 06/22/15 | 71.00 | 69.55 | |
| 5,537.40 | | | | 09/30/15 | 71.38 | 69.93 | |
| 5,537.44 | | | | 12/02/15 | 71.34 | 69.89 | |

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



# Water Levels and Data over Time
# White Mesa Mill - Well TW4-7

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,619.87 | 5,621.07 | 1.20 | | | | 119.8 |
| 5,552.37 | | | | 11/29/99 | 68.70 | 67.50 | |
| 5,553.57 | | | | 01/02/00 | 67.50 | 66.30 | |
| 5,553.87 | | | | 01/10/00 | 67.20 | 66.00 | |
| 5,553.72 | | | | 01/17/00 | 67.35 | 66.15 | |
| 5,553.97 | | | | 01/24/00 | 67.10 | 65.90 | |
| 5,553.87 | | | | 02/01/00 | 67.20 | 66.00 | |
| 5,553.87 | | | | 02/07/00 | 67.20 | 66.00 | |
| 5,554.17 | | | | 02/14/00 | 66.90 | 65.70 | |
| 5,554.27 | | | | 02/23/00 | 66.80 | 65.60 | |
| 5,554.37 | | | | 03/01/00 | 66.70 | 65.50 | |
| 5,554.37 | | | | 03/08/00 | 66.70 | 65.50 | |
| 5,554.27 | | | | 03/15/00 | 66.80 | 65.60 | |
| 5,554.77 | | | | 03/20/00 | 66.30 | 65.10 | |
| 5,554.57 | | | | 03/29/00 | 66.50 | 65.30 | |
| 5,554.27 | | | | 04/04/00 | 66.80 | 65.60 | |
| 5,554.57 | | | | 04/13/00 | 66.50 | 65.30 | |
| 5,554.77 | | | | 04/21/00 | 66.30 | 65.10 | |
| 5,554.87 | | | | 04/28/00 | 66.20 | 65.00 | |
| 5,554.87 | | | | 05/01/00 | 66.20 | 65.00 | |
| 5,555.27 | | | | 05/11/00 | 65.80 | 64.60 | |
| 5,554.97 | | | | 05/15/00 | 66.10 | 64.90 | |
| 5,555.27 | | | | 05/25/00 | 65.80 | 64.60 | |
| 5,555.33 | | | | 06/09/00 | 65.74 | 64.54 | |
| 5,555.45 | | | | 06/16/00 | 65.62 | 64.42 | |
| 5,555.22 | | | | 06/26/00 | 65.85 | 64.65 | |
| 5,555.45 | | | | 07/06/00 | 65.62 | 64.42 | |
| 5,555.40 | | | | 07/13/00 | 65.67 | 64.47 | |
| 5,555.45 | | | | 07/18/00 | 65.62 | 64.42 | |
| 5,555.59 | | | | 07/27/00 | 65.48 | 64.28 | |
| 5,555.65 | | | | 08/02/00 | 65.42 | 64.22 | |
| 5,555.70 | | | | 08/09/00 | 65.37 | 64.17 | |
| 5,555.74 | | | | 08/16/00 | 65.33 | 64.13 | |
| 5,555.96 | | | | 08/31/00 | 65.11 | 63.91 | |
| 5,555.87 | | | | 09/08/00 | 65.20 | 64.00 | |
| 5,555.95 | | | | 09/13/00 | 65.12 | 63.92 | |
| 5,556.05 | | | | 09/20/00 | 65.02 | 63.82 | |
| 5,556.06 | | | | 10/05/00 | 65.01 | 63.81 | |
| 5,556.17 | | | | 10/12/00 | 64.90 | 63.70 | |
| 5,556.20 | | | | 10/19/00 | 64.87 | 63.67 | |
| 5,556.22 | | | | 10/23/00 | 64.85 | 63.65 | |
| 5,556.36 | | | | 11/09/00 | 64.71 | 63.51 | |
| 5,556.42 | | | | 11/14/00 | 64.65 | 63.45 | |
| 5,556.45 | | | | 11/30/00 | 64.62 | 63.42 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-7

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,619.87 | 5,621.07 | 1.20 | | | | 119.8 |
| 5,556.15 | | | | 12/06/00 | 64.92 | 63.72 | |
| 5,556.89 | | | | 01/14/01 | 64.18 | 62.98 | |
| 5,557.07 | | | | 02/09/01 | 64.00 | 62.80 | |
| 5,557.62 | | | | 03/29/01 | 63.45 | 62.25 | |
| 5,557.51 | | | | 04/30/01 | 63.56 | 62.36 | |
| 5,557.77 | | | | 05/31/01 | 63.30 | 62.10 | |
| 5,557.84 | | | | 06/21/01 | 63.23 | 62.03 | |
| 5,557.98 | | | | 07/10/01 | 63.09 | 61.89 | |
| 5,558.33 | | | | 08/20/01 | 62.74 | 61.54 | |
| 5,558.57 | | | | 09/19/01 | 62.50 | 61.30 | |
| 5,558.53 | | | | 10/02/01 | 62.54 | 61.34 | |
| 5,558.62 | | | | 11/08/01 | 62.45 | 61.25 | |
| 5,559.03 | | | | 12/03/01 | 62.04 | 60.84 | |
| 5,559.08 | | | | 01/03/02 | 61.99 | 60.79 | |
| 5,559.32 | | | | 02/06/02 | 61.75 | 60.55 | |
| 5,559.63 | | | | 03/26/02 | 61.44 | 60.24 | |
| 5,559.55 | | | | 04/09/02 | 61.52 | 60.32 | |
| 5,560.06 | | | | 05/23/02 | 61.01 | 59.81 | |
| 5,559.91 | | | | 06/05/02 | 61.16 | 59.96 | |
| 5,560.09 | | | | 07/08/02 | 60.98 | 59.78 | |
| 5,560.01 | | | | 08/23/02 | 61.06 | 59.86 | |
| 5,560.23 | | | | 09/11/02 | 60.84 | 59.64 | |
| 5,560.43 | | | | 10/23/02 | 60.64 | 59.44 | |
| 5,560.39 | | | | 11/22/02 | 60.68 | 59.48 | |
| 5,560.61 | | | | 12/03/02 | 60.46 | 59.26 | |
| 5,560.89 | | | | 01/09/03 | 60.18 | 58.98 | |
| 5,560.94 | | | | 02/12/03 | 60.13 | 58.93 | |
| 5,561.28 | | | | 03/26/03 | 59.79 | 58.59 | |
| 5,561.35 | | | | 04/02/03 | 59.72 | 58.52 | |
| 5,546.20 | | | | 05/01/03 | 74.87 | 73.67 | |
| 5,539.47 | | | | 06/09/03 | 81.60 | 80.40 | |
| 5,541.87 | | | | 07/07/03 | 79.20 | 78.00 | |
| 5,542.12 | | | | 08/04/03 | 78.95 | 77.75 | |
| 5,541.91 | | | | 09/11/03 | 79.16 | 77.96 | |
| 5,544.62 | | | | 10/02/03 | 76.45 | 75.25 | |
| 5,542.67 | | | | 11/07/03 | 78.40 | 77.20 | |
| 5,549.96 | | | | 12/03/03 | 71.11 | 69.91 | |
| 5,557.17 | | | | 01/15/04 | 63.90 | 62.70 | |
| 5,558.65 | | | | 02/10/04 | 62.42 | 61.22 | |
| 5,559.90 | | | | 03/28/04 | 61.17 | 59.97 | |
| 5,560.36 | | | | 04/12/04 | 60.71 | 59.51 | |
| 5,560.87 | | | | 05/13/04 | 60.20 | 59.00 | |
| 5,560.95 | | | | 06/18/04 | 60.12 | 58.92 | |

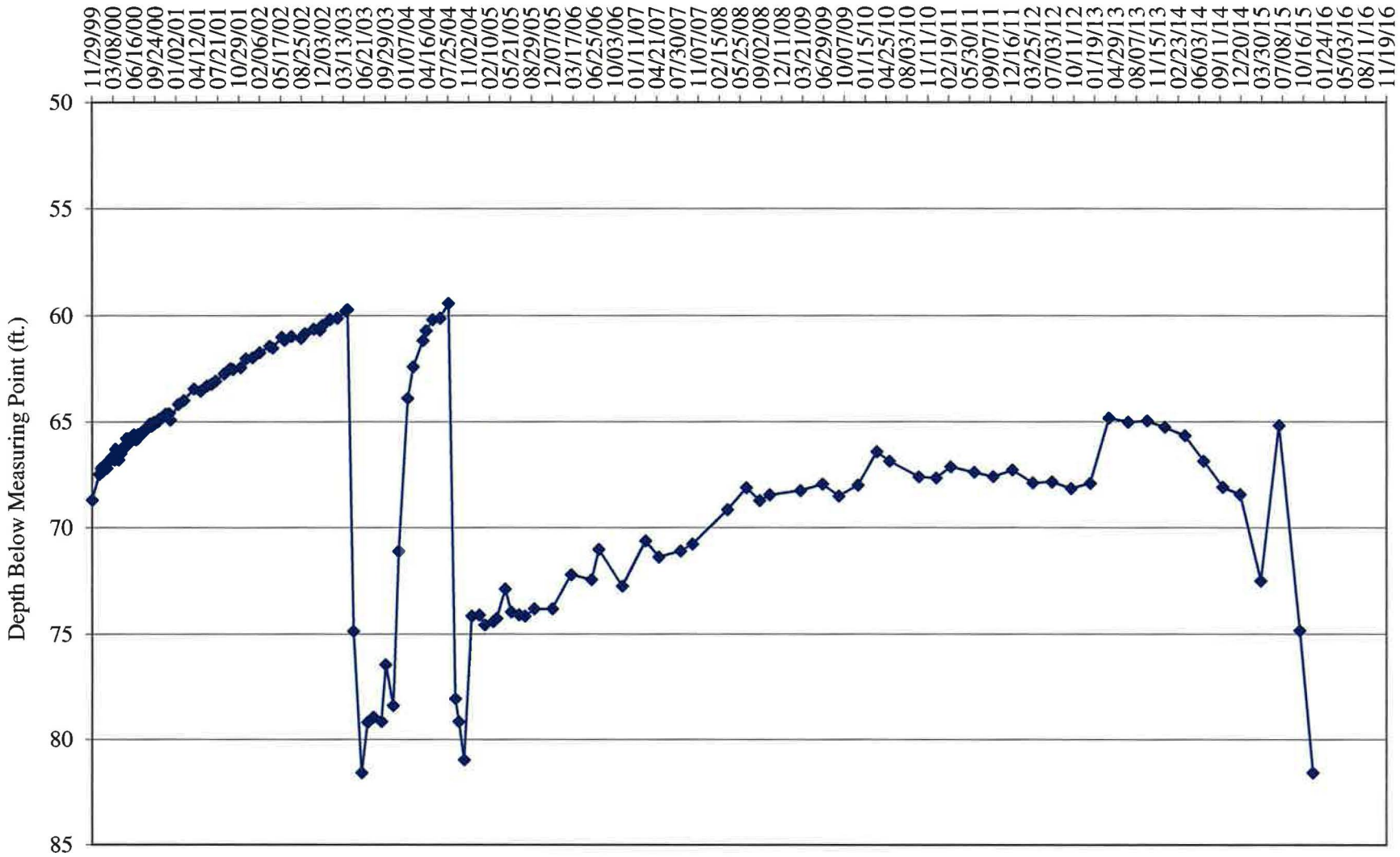
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-7

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well (blw.LSD) |
|---|---|---|---|---|---|---|---|
| | 5,619.87 | 5,621.07 | 1.20 | | | | 119.8 |
| 5,561.64 | | | | 07/28/04 | 59.43 | 58.23 | |
| 5,543.00 | | | | 08/30/04 | 78.07 | 76.87 | |
| 5,541.91 | | | | 09/16/04 | 79.16 | 77.96 | |
| 5,540.08 | | | | 10/11/04 | 80.99 | 79.79 | |
| 5,546.92 | | | | 11/16/04 | 74.15 | 72.95 | |
| 5,546.97 | | | | 12/22/04 | 74.10 | 72.90 | |
| 5,546.51 | | | | 01/18/05 | 74.56 | 73.36 | |
| 5,546.66 | | | | 02/28/05 | 74.41 | 73.21 | |
| 5,546.81 | | | | 03/15/05 | 74.26 | 73.06 | |
| 5,548.19 | | | | 04/26/05 | 72.88 | 71.68 | |
| 5,547.11 | | | | 05/24/05 | 73.96 | 72.76 | |
| 5,546.98 | | | | 06/30/05 | 74.09 | 72.89 | |
| 5,546.92 | | | | 07/29/05 | 74.15 | 72.95 | |
| 5,547.26 | | | | 09/12/05 | 73.81 | 72.61 | |
| 5,547.26 | | | | 12/07/05 | 73.81 | 72.61 | |
| 5,548.86 | | | | 03/08/06 | 72.21 | 71.01 | |
| 5,548.62 | | | | 06/13/06 | 72.45 | 71.25 | |
| 5,550.04 | | | | 07/18/06 | 71.03 | 69.83 | |
| 5,548.32 | | | | 11/07/06 | 72.75 | 71.55 | |
| 5,550.44 | | | | 02/27/07 | 70.63 | 69.43 | |
| 5,549.69 | | | | 05/02/07 | 71.38 | 70.18 | |
| 5,549.97 | | | | 08/14/07 | 71.10 | 69.90 | |
| 5,550.30 | | | | 10/10/07 | 70.77 | 69.57 | |
| 5,551.92 | | | | 03/26/08 | 69.15 | 67.95 | |
| 5,552.94 | | | | 06/24/08 | 68.13 | 66.93 | |
| 5,552.34 | | | | 08/26/08 | 68.73 | 67.53 | |
| 5,552.61 | | | | 10/14/08 | 68.46 | 67.26 | |
| 5,552.81 | | | | 03/10/09 | 68.26 | 67.06 | |
| 5,553.11 | | | | 06/24/09 | 67.96 | 66.76 | |
| 5,552.55 | | | | 09/10/09 | 68.52 | 67.32 | |
| 5,553.06 | | | | 12/11/09 | 68.01 | 66.81 | |
| 5,554.64 | | | | 03/11/10 | 66.43 | 65.23 | |
| 5,554.20 | | | | 05/11/10 | 66.87 | 65.67 | |
| 5,553.45 | | | | 09/29/10 | 67.62 | 66.42 | |
| 5,553.40 | | | | 12/21/10 | 67.67 | 66.47 | |
| 5,553.93 | | | | 02/28/11 | 67.14 | 65.94 | |
| 5,553.67 | | | | 06/21/11 | 67.4 | 66.20 | |
| 5,553.46 | | | | 09/20/11 | 67.61 | 66.41 | |
| 5,553.78 | | | | 12/21/11 | 67.29 | 66.09 | |
| 5,553.17 | | | | 03/27/12 | 67.90 | 66.70 | |
| 5,553.21 | | | | 06/28/12 | 67.86 | 66.66 | |
| 5,552.90 | | | | 09/27/12 | 68.17 | 66.97 | |
| 5,553.15 | | | | 12/28/12 | 67.92 | 66.72 | |

## 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 |
| 5,556.23 | | | | 03/28/13 | 64.84 | 63.64 | |
| 5,556.04 | | | | 06/27/13 | 65.03 | 63.83 | |
| 5,556.09 | | | | 09/27/13 | 64.98 | 63.78 | |
| 5,555.80 | | | | 12/20/13 | 65.27 | 64.07 | |
| 5,555.40 | | | | 03/27/14 | 65.67 | 64.47 | |
| 5,554.20 | | | | 06/25/14 | 66.87 | 65.67 | |
| 5,552.96 | | | | 09/25/14 | 68.11 | 66.91 | |
| 5,552.62 | | | | 12/17/14 | 68.45 | 67.25 | |
| 5,548.57 | | | | 03/26/15 | 72.50 | 71.30 | |
| 5,555.88 | | | | 06/22/15 | 65.19 | 63.99 | |
| 5,546.22 | | | | 09/30/15 | 74.85 | 73.65 | |
| 5,539.47 | | | | 12/02/15 | 81.60 | 80.40 | |

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



# Water Levels and Data over Time
# White Mesa Mill - Well TW4-8

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,616.80 | 5,621.40 | 4.60 | | | | 126.00 |
| 5,546.40 | | | | 11/29/99 | 75.00 | 70.40 | |
| 5,546.20 | | | | 01/02/00 | 75.20 | 70.60 | |
| 5,546.50 | | | | 01/10/00 | 74.90 | 70.30 | |
| 5,546.30 | | | | 01/17/00 | 75.10 | 70.50 | |
| 5,546.60 | | | | 01/24/00 | 74.80 | 70.20 | |
| 5,546.50 | | | | 02/01/00 | 74.90 | 70.30 | |
| 5,546.50 | | | | 02/07/00 | 74.90 | 70.30 | |
| 5,546.90 | | | | 02/14/00 | 74.50 | 69.90 | |
| 5,546.95 | | | | 02/23/00 | 74.45 | 69.85 | |
| 5,547.05 | | | | 03/01/00 | 74.35 | 69.75 | |
| 5,547.05 | | | | 03/08/00 | 74.35 | 69.75 | |
| 5,547.10 | | | | 03/15/00 | 74.30 | 69.70 | |
| 5,547.50 | | | | 03/20/00 | 73.90 | 69.30 | |
| 5,547.40 | | | | 03/29/00 | 74.00 | 69.40 | |
| 5,547.20 | | | | 04/04/00 | 74.20 | 69.60 | |
| 5,547.40 | | | | 04/13/00 | 74.00 | 69.40 | |
| 5,547.60 | | | | 04/21/00 | 73.80 | 69.20 | |
| 5,547.70 | | | | 04/28/00 | 73.70 | 69.10 | |
| 5,547.70 | | | | 05/01/00 | 73.70 | 69.10 | |
| 5,548.00 | | | | 05/11/00 | 73.40 | 68.80 | |
| 5,547.70 | | | | 05/15/00 | 73.70 | 69.10 | |
| 5,547.90 | | | | 05/25/00 | 73.50 | 68.90 | |
| 5,547.90 | | | | 06/09/00 | 73.50 | 68.90 | |
| 5,548.00 | | | | 06/16/00 | 73.40 | 68.80 | |
| 5,547.87 | | | | 06/26/00 | 73.53 | 68.93 | |
| 5,547.95 | | | | 07/06/00 | 73.45 | 68.85 | |
| 5,547.96 | | | | 07/13/00 | 73.44 | 68.84 | |
| 5,547.95 | | | | 07/18/00 | 73.45 | 68.85 | |
| 5,548.11 | | | | 07/27/00 | 73.29 | 68.69 | |
| 5,548.15 | | | | 08/02/00 | 73.25 | 68.65 | |
| 5,548.17 | | | | 08/09/00 | 73.23 | 68.63 | |
| 5,548.16 | | | | 08/15/00 | 73.24 | 68.64 | |
| 5,548.40 | | | | 08/31/00 | 73.00 | 68.40 | |
| 5,548.50 | | | | 09/08/00 | 72.90 | 68.30 | |
| 5,548.62 | | | | 09/13/00 | 72.78 | 68.18 | |
| 5,548.75 | | | | 09/20/00 | 72.65 | 68.05 | |
| 5,548.76 | | | | 10/05/00 | 72.64 | 68.04 | |
| 5,549.00 | | | | 11/09/00 | 72.40 | 67.80 | |
| 5,548.85 | | | | 12/06/00 | 72.55 | 67.95 | |
| 5,549.47 | | | | 01/03/01 | 71.93 | 67.33 | |
| 5,549.89 | | | | 02/09/01 | 71.51 | 66.91 | |
| 5,550.37 | | | | 03/27/01 | 71.03 | 66.43 | |
| 5,550.50 | | | | 04/30/01 | 70.90 | 66.30 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-8

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,616.80 | 5,621.40 | 4.60 | | | | 126.00 |
| 5,550.68 | | | | 05/31/01 | 70.72 | 66.12 | |
| 5,550.68 | | | | 06/20/01 | 70.72 | 66.12 | |
| 5,551.02 | | | | 07/10/01 | 70.38 | 65.78 | |
| 5,551.32 | | | | 08/20/01 | 70.08 | 65.48 | |
| 5,551.49 | | | | 09/19/01 | 69.91 | 65.31 | |
| 5,551.64 | | | | 10/02/01 | 69.76 | 65.16 | |
| 5,551.81 | | | | 11/08/01 | 69.59 | 64.99 | |
| 5,552.22 | | | | 12/03/01 | 69.18 | 64.58 | |
| 5,552.16 | | | | 01/03/02 | 69.24 | 64.64 | |
| 5,552.38 | | | | 02/06/02 | 69.02 | 64.42 | |
| 5,552.85 | | | | 03/26/02 | 68.55 | 63.95 | |
| 5,552.83 | | | | 04/09/02 | 68.57 | 63.97 | |
| 5,553.20 | | | | 05/23/02 | 68.20 | 63.60 | |
| 5,553.16 | | | | 06/05/02 | 68.24 | 63.64 | |
| 5,553.32 | | | | 07/08/02 | 68.08 | 63.48 | |
| 5,553.49 | | | | 08/23/02 | 67.91 | 63.31 | |
| 5,553.69 | | | | 09/11/02 | 67.71 | 63.11 | |
| 5,554.09 | | | | 10/23/02 | 67.31 | 62.71 | |
| 5,554.02 | | | | 11/22/02 | 67.38 | 62.78 | |
| 5,554.23 | | | | 12/03/02 | 67.17 | 62.57 | |
| 5,554.43 | | | | 01/09/03 | 66.97 | 62.37 | |
| 5,554.42 | | | | 02/12/03 | 66.98 | 62.38 | |
| 5,554.71 | | | | 03/26/03 | 66.69 | 62.09 | |
| 5,554.83 | | | | 04/02/03 | 66.57 | 61.97 | |
| 5,552.21 | | | | 05/01/03 | 69.19 | 64.59 | |
| 5,547.93 | | | | 06/09/03 | 73.47 | 68.87 | |
| 5,546.97 | | | | 07/07/03 | 74.43 | 69.83 | |
| 5,546.58 | | | | 08/04/03 | 74.82 | 70.22 | |
| 5,546.24 | | | | 09/11/03 | 75.16 | 70.56 | |
| 5,546.38 | | | | 10/02/03 | 75.02 | 70.42 | |
| 5,546.40 | | | | 11/07/03 | 75.00 | 70.40 | |
| 5,546.59 | | | | 12/03/03 | 74.81 | 70.21 | |
| 5,551.29 | | | | 01/15/04 | 70.11 | 65.51 | |
| 5,552.69 | | | | 02/10/04 | 68.71 | 64.11 | |
| 5,554.06 | | | | 03/28/04 | 67.34 | 62.74 | |
| 5,554.52 | | | | 04/12/04 | 66.88 | 62.28 | |
| 5,555.06 | | | | 05/13/04 | 66.34 | 61.74 | |
| 5,555.11 | | | | 06/18/04 | 66.29 | 61.69 | |
| 5,555.88 | | | | 07/28/04 | 65.52 | 60.92 | |
| 5,552.97 | | | | 08/30/04 | 68.43 | 63.83 | |
| 5,550.65 | | | | 09/16/04 | 70.75 | 66.15 | |
| 5,548.40 | | | | 10/11/04 | 73.00 | 68.40 | |
| 5,548.28 | | | | 11/16/04 | 73.12 | 68.52 | |

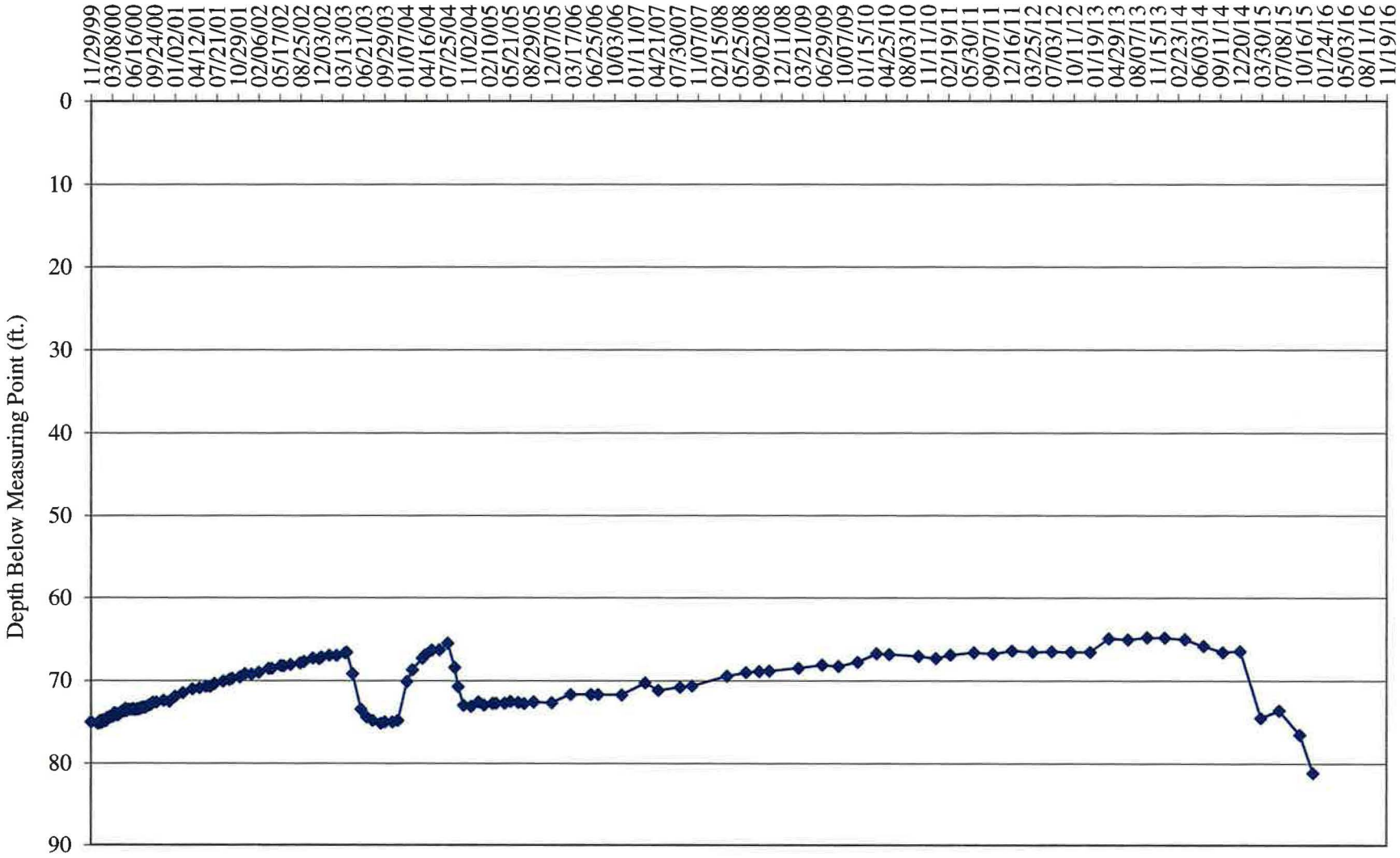
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-8

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,616.80 | 5,621.40 | 4.60 | | | | 126.00 |
| 5,548.80 | | | | 12/22/04 | 72.60 | 68.00 | |
| 5,548.43 | | | | 01/18/05 | 72.97 | 68.37 | |
| 5,548.61 | | | | 02/28/05 | 72.79 | 68.19 | |
| 5,548.64 | | | | 03/15/05 | 72.76 | 68.16 | |
| 5,548.65 | | | | 04/26/05 | 72.75 | 68.15 | |
| 5,548.85 | | | | 05/24/05 | 72.55 | 67.95 | |
| 5,548.73 | | | | 06/30/05 | 72.67 | 68.07 | |
| 5,548.62 | | | | 07/29/05 | 72.78 | 68.18 | |
| 5,548.80 | | | | 09/12/05 | 72.60 | 68.00 | |
| 5,548.71 | | | | 12/07/05 | 72.69 | 68.09 | |
| 5,549.72 | | | | 03/08/06 | 71.68 | 67.08 | |
| 5,549.70 | | | | 06/13/06 | 71.70 | 67.10 | |
| 5,549.70 | | | | 07/18/06 | 71.70 | 67.10 | |
| 5,549.65 | | | | 11/07/06 | 71.75 | 67.15 | |
| 5,551.11 | | | | 02/27/07 | 70.29 | 65.69 | |
| 5,550.20 | | | | 05/02/07 | 71.20 | 66.60 | |
| 5,550.59 | | | | 08/14/07 | 70.81 | 66.21 | |
| 5,550.76 | | | | 10/10/07 | 70.64 | 66.04 | |
| 5,551.95 | | | | 03/26/08 | 69.45 | 64.85 | |
| 5,552.36 | | | | 06/24/08 | 69.04 | 64.44 | |
| 5,552.50 | | | | 08/26/08 | 68.9 | 64.30 | |
| 5,552.56 | | | | 10/14/08 | 68.84 | 64.24 | |
| 5,552.91 | | | | 03/03/09 | 68.49 | 63.89 | |
| 5,553.27 | | | | 06/24/09 | 68.13 | 63.53 | |
| 5,553.12 | | | | 09/10/09 | 68.28 | 63.68 | |
| 5,553.63 | | | | 12/11/09 | 67.77 | 63.17 | |
| 5,554.65 | | | | 03/11/10 | 66.75 | 62.15 | |
| 5,554.57 | | | | 05/11/10 | 66.83 | 62.23 | |
| 5,554.34 | | | | 09/29/10 | 67.06 | 62.46 | |
| 5,554.09 | | | | 12/21/10 | 67.31 | 62.71 | |
| 5,554.50 | | | | 02/28/11 | 66.9 | 62.30 | |
| 5,554.79 | | | | 06/21/11 | 66.61 | 62.01 | |
| 5,554.63 | | | | 09/20/11 | 66.77 | 62.17 | |
| 5,555.01 | | | | 12/21/11 | 66.39 | 61.79 | |
| 5,554.85 | | | | 03/27/12 | 66.55 | 61.95 | |
| 5,554.90 | | | | 06/28/12 | 66.50 | 61.90 | |
| 5,554.85 | | | | 09/27/12 | 66.55 | 61.95 | |
| 5,554.86 | | | | 12/28/12 | 66.54 | 61.94 | |
| 5,556.48 | | | | 03/28/13 | 64.92 | 60.32 | |
| 5,556.35 | | | | 06/27/13 | 65.05 | 60.45 | |
| 5,556.60 | | | | 09/27/13 | 64.8 | 60.20 | |
| 5,556.56 | | | | 12/20/13 | 64.84 | 60.24 | |
| 5,556.38 | | | | 03/27/14 | 65.02 | 60.42 | |

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-8

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,616.80 | 5,621.40 | 4.60 | | | | 126.00 |
| 5,555.56 | | | | 06/25/14 | 65.84 | 61.24 | |
| 5,554.82 | | | | 09/25/14 | 66.58 | 61.98 | |
| 5,554.95 | | | | 12/17/14 | 66.45 | 61.85 | |
| 5,546.89 | | | | 03/26/15 | 74.51 | 69.91 | |
| 5,547.80 | | | | 06/22/15 | 73.6 | 69.00 | |
| 5,544.84 | | | | 09/30/15 | 76.56 | 71.96 | |
| 5,540.22 | | | | 12/02/15 | 81.18 | 76.58 | |

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



# 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 | 60.50 | 59.02 | |
| 5,577.09 | | | | 01/02/00 | 60.50 | 59.02 | |
| 5,577.29 | | | | 01/10/00 | 60.30 | 58.82 | |
| 5,577.09 | | | | 01/17/00 | 60.50 | 59.02 | |
| 5,577.39 | | | | 01/24/00 | 60.20 | 58.72 | |
| 5,577.29 | | | | 02/01/00 | 60.30 | 58.82 | |
| 5,577.19 | | | | 02/07/00 | 60.40 | 58.92 | |
| 5,577.69 | | | | 02/14/00 | 59.90 | 58.42 | |
| 5,577.69 | | | | 02/23/00 | 59.90 | 58.42 | |
| 5,577.79 | | | | 03/01/00 | 59.80 | 58.32 | |
| 5,577.79 | | | | 03/08/00 | 59.80 | 58.32 | |
| 5,577.89 | | | | 03/15/00 | 59.70 | 58.22 | |
| 5,568.49 | | | | 03/20/00 | 69.10 | 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 | 59.20 | 57.72 | |
| 5,578.39 | | | | 05/01/00 | 59.20 | 57.72 | |
| 5,578.79 | | | | 05/11/00 | 58.80 | 57.32 | |
| 5,578.39 | | | | 05/15/00 | 59.20 | 57.72 | |
| 5,578.79 | | | | 05/25/00 | 58.80 | 57.32 | |
| 5,578.81 | | | | 06/09/00 | 58.78 | 57.30 | |
| 5,578.89 | | | | 06/16/00 | 58.70 | 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 | 57.80 | 56.32 | |
| 5,579.73 | | | | 12/06/00 | 57.86 | 56.38 | |
| 5,580.01 | | | | 01/03/01 | 57.58 | 56.10 | |
| 5,580.30 | | | | 02/09/01 | 57.29 | 55.81 | |
| 5,580.66 | | | | 03/27/01 | 56.93 | 55.45 | |
| 5,580.75 | | | | 04/30/01 | 56.84 | 55.36 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-9

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,636.11 | 5,637.59 | 1.48 | | | | 121.33 |
| 5,581.04 | | | | 05/31/01 | 56.55 | 55.07 | |
| 5,581.12 | | | | 06/21/01 | 56.47 | 54.99 | |
| 5,581.15 | | | | 07/10/01 | 56.44 | 54.96 | |
| 5,581.51 | | | | 08/20/01 | 56.08 | 54.60 | |
| 5,581.70 | | | | 09/19/01 | 55.89 | 54.41 | |
| 5,581.61 | | | | 10/02/01 | 55.98 | 54.50 | |
| 5,581.83 | | | | 11/08/01 | 55.76 | 54.28 | |
| 5,582.17 | | | | 12/03/01 | 55.42 | 53.94 | |
| 5,582.21 | | | | 01/03/02 | 55.38 | 53.90 | |
| 5,582.57 | | | | 02/06/02 | 55.02 | 53.54 | |
| 5,583.12 | | | | 03/26/02 | 54.47 | 52.99 | |
| 5,582.77 | | | | 04/09/02 | 54.82 | 53.34 | |
| 5,583.21 | | | | 05/23/02 | 54.38 | 52.90 | |
| 5,582.94 | | | | 06/05/02 | 54.65 | 53.17 | |
| 5,582.71 | | | | 07/08/02 | 54.88 | 53.40 | |
| 5,583.67 | | | | 08/23/02 | 53.92 | 52.44 | |
| 5,583.82 | | | | 09/11/02 | 53.77 | 52.29 | |
| 5,584.01 | | | | 10/23/02 | 53.58 | 52.10 | |
| 5,583.88 | | | | 11/22/02 | 53.71 | 52.23 | |
| 5,583.81 | | | | 12/03/02 | 53.78 | 52.30 | |
| 5,584.28 | | | | 01/09/03 | 53.31 | 51.83 | |
| 5,584.41 | | | | 02/12/03 | 53.18 | 51.70 | |
| 5,584.68 | | | | 03/26/03 | 52.91 | 51.43 | |
| 5,584.49 | | | | 04/02/03 | 53.10 | 51.62 | |
| 5,584.51 | | | | 05/01/03 | 53.08 | 51.60 | |
| 5,583.59 | | | | 06/09/03 | 54.00 | 52.52 | |
| 5,582.96 | | | | 07/07/03 | 54.63 | 53.15 | |
| 5,582.98 | | | | 08/04/03 | 54.61 | 53.13 | |
| 5,582.57 | | | | 09/11/03 | 55.02 | 53.54 | |
| 5,582.25 | | | | 10/02/03 | 55.34 | 53.86 | |
| 5,582.09 | | | | 11/07/03 | 55.50 | 54.02 | |
| 5,582.48 | | | | 12/03/03 | 55.11 | 53.63 | |
| 5,583.69 | | | | 01/15/04 | 53.90 | 52.42 | |
| 5,583.89 | | | | 02/10/04 | 53.70 | 52.22 | |
| 5,584.30 | | | | 03/28/04 | 53.29 | 51.81 | |
| 5,584.59 | | | | 04/12/04 | 53.00 | 51.52 | |
| 5,584.87 | | | | 05/13/04 | 52.72 | 51.24 | |
| 5,584.96 | | | | 06/18/04 | 52.63 | 51.15 | |
| 5,585.50 | | | | 07/28/04 | 52.09 | 50.61 | |
| 5,584.81 | | | | 08/30/04 | 52.78 | 51.30 | |
| 5,584.40 | | | | 09/16/04 | 53.19 | 51.71 | |
| 5,583.91 | | | | 10/11/04 | 53.68 | 52.20 | |
| 5,583.39 | | | | 11/16/04 | 54.20 | 52.72 | |

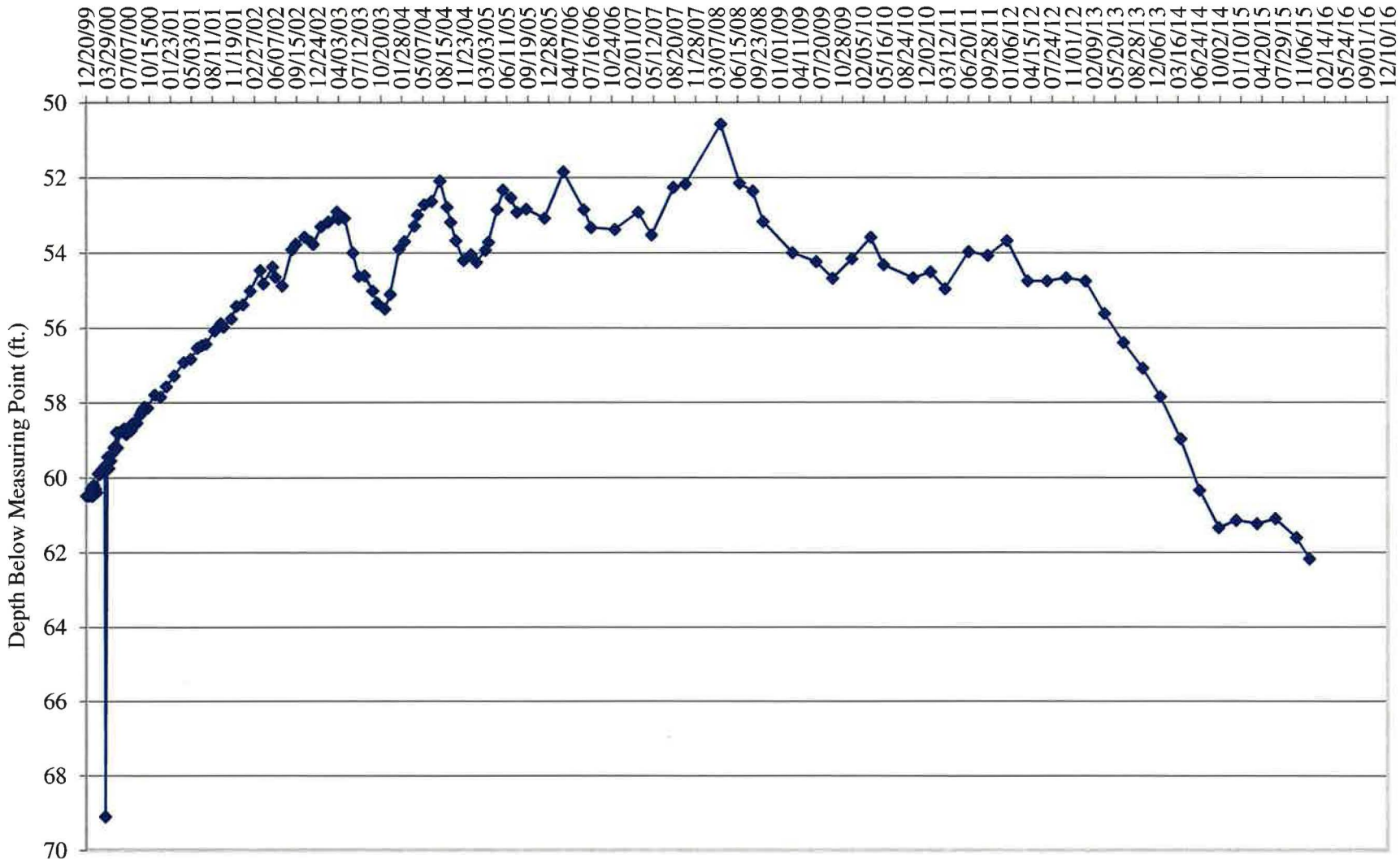
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-9

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,636.11 | 5,637.59 | 1.48 | | | | 121.33 |
| 5,583.54 | | | | 12/22/04 | 54.05 | 52.57 | |
| 5,583.34 | | | | 01/18/05 | 54.25 | 52.77 | |
| 5,583.66 | | | | 02/28/05 | 53.93 | 52.45 | |
| 5,583.87 | | | | 03/15/05 | 53.72 | 52.24 | |
| 5,584.74 | | | | 04/26/05 | 52.85 | 51.37 | |
| 5,585.26 | | | | 05/24/05 | 52.33 | 50.85 | |
| 5,585.06 | | | | 06/30/05 | 52.53 | 51.05 | |
| 5,584.67 | | | | 07/29/05 | 52.92 | 51.44 | |
| 5,584.75 | | | | 09/12/05 | 52.84 | 51.36 | |
| 5,584.51 | | | | 12/07/05 | 53.08 | 51.60 | |
| 5,585.74 | | | | 03/08/06 | 51.85 | 50.37 | |
| 5,584.74 | | | | 06/13/06 | 52.85 | 51.37 | |
| 5,584.26 | | | | 07/18/06 | 53.33 | 51.85 | |
| 5,584.21 | | | | 11/07/06 | 53.38 | 51.90 | |
| 5,584.67 | | | | 02/27/07 | 52.92 | 51.44 | |
| 5,584.06 | | | | 05/02/07 | 53.53 | 52.05 | |
| 5,585.33 | | | | 08/14/07 | 52.26 | 50.78 | |
| 5,585.42 | | | | 10/10/07 | 52.17 | 50.69 | |
| 5,587.01 | | | | 03/26/08 | 50.58 | 49.10 | |
| 5,585.44 | | | | 06/24/08 | 52.15 | 50.67 | |
| 5,585.23 | | | | 08/26/08 | 52.36 | 50.88 | |
| 5,584.42 | | | | 10/14/08 | 53.17 | 51.69 | |
| 5,583.59 | | | | 03/03/09 | 54.00 | 52.52 | |
| 5,583.35 | | | | 06/24/09 | 54.24 | 52.76 | |
| 5,582.91 | | | | 09/10/09 | 54.68 | 53.20 | |
| 5,583.43 | | | | 12/11/09 | 54.16 | 52.68 | |
| 5,584.00 | | | | 03/11/10 | 53.59 | 52.11 | |
| 5,583.27 | | | | 05/11/10 | 54.32 | 52.84 | |
| 5,582.92 | | | | 09/29/10 | 54.67 | 53.19 | |
| 5,583.08 | | | | 12/21/10 | 54.51 | 53.03 | |
| 5,582.63 | | | | 02/28/11 | 54.96 | 53.48 | |
| 5,583.62 | | | | 06/21/11 | 53.97 | 52.49 | |
| 5,583.52 | | | | 09/20/11 | 54.07 | 52.59 | |
| 5,583.91 | | | | 12/21/11 | 53.68 | 52.20 | |
| 5,582.84 | | | | 03/27/12 | 54.75 | 53.27 | |
| 5,582.84 | | | | 06/28/12 | 54.75 | 53.27 | |
| 5,582.92 | | | | 09/27/12 | 54.67 | 53.19 | |
| 5,582.84 | | | | 12/28/12 | 54.75 | 53.27 | |
| 5,581.97 | | | | 03/28/13 | 55.62 | 54.14 | |
| 5,581.19 | | | | 06/27/13 | 56.40 | 54.92 | |
| 5,580.50 | | | | 09/27/13 | 57.09 | 55.61 | |
| 5,579.73 | | | | 12/20/13 | 57.86 | 56.38 | |
| 5,578.61 | | | | 03/27/14 | 58.98 | 57.50 | |

## 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 |
| 5,577.24 | | | | 06/25/14 | 60.35 | 58.87 | |
| 5,576.24 | | | | 09/25/14 | 61.35 | 59.87 | |
| 5,576.44 | | | | 12/17/14 | 61.15 | 59.67 | |
| 5,576.35 | | | | 03/26/15 | 61.24 | 59.76 | |
| 5,576.48 | | | | 06/22/15 | 61.11 | 59.63 | |
| 5,575.98 | | | | 09/30/15 | 61.61 | 60.13 | |
| 5,575.41 | | | | 12/02/15 | 62.18 | 60.70 | |

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



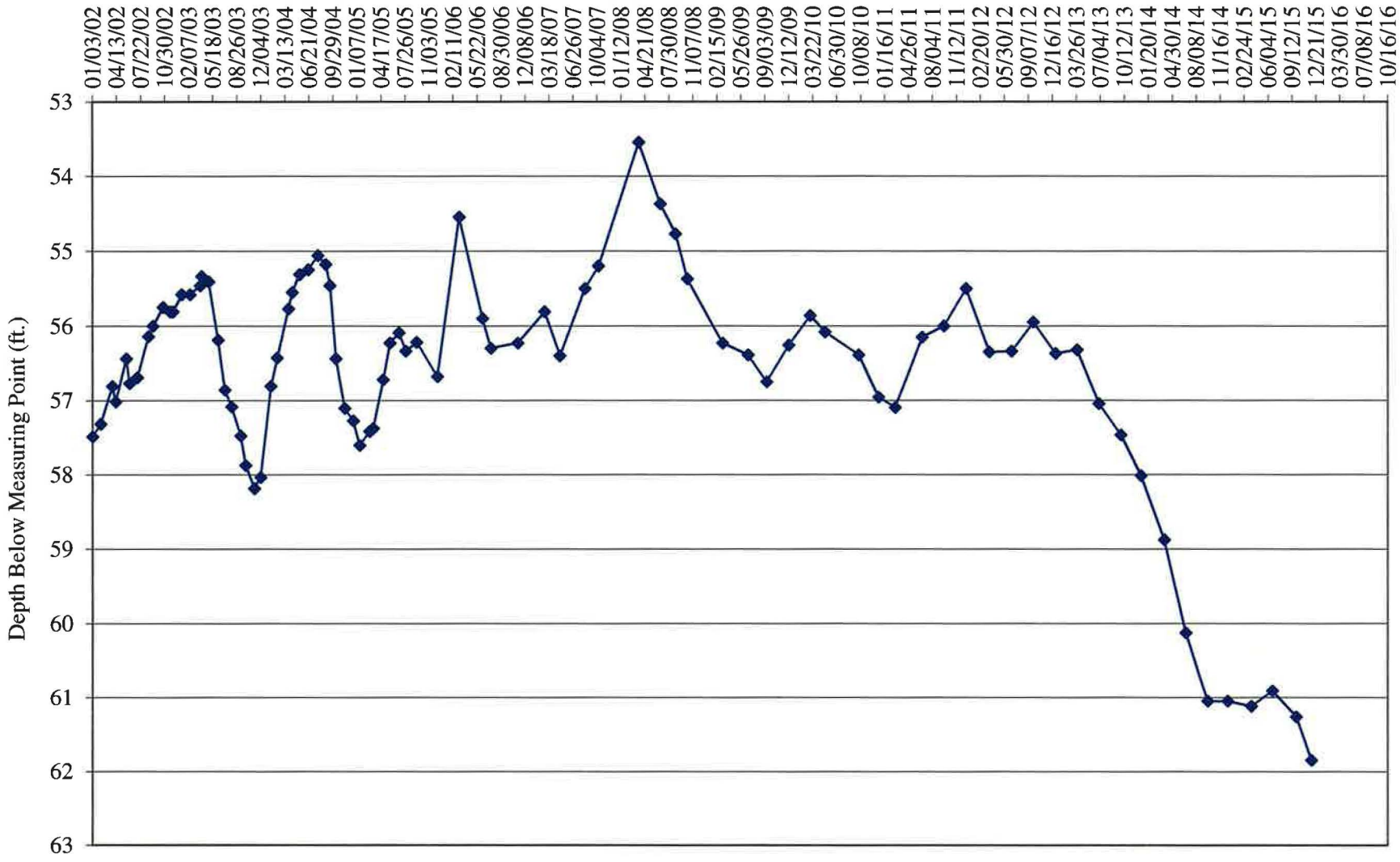
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-10

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,631.99 | 5,634.24 | 2.25 | | | | 111 |
| 5,576.75 | | | | 01/03/02 | 57.49 | 55.24 | |
| 5,576.92 | | | | 02/06/02 | 57.32 | 55.07 | |
| 5,577.43 | | | | 03/26/02 | 56.81 | 54.56 | |
| 5,577.22 | | | | 04/09/02 | 57.02 | 54.77 | |
| 5,577.80 | | | | 05/23/02 | 56.44 | 54.19 | |
| 5,577.47 | | | | 06/05/02 | 56.77 | 54.52 | |
| 5,577.55 | | | | 07/08/02 | 56.69 | 54.44 | |
| 5,578.10 | | | | 08/23/02 | 56.14 | 53.89 | |
| 5,578.24 | | | | 09/11/02 | 56.00 | 53.75 | |
| 5,578.49 | | | | 10/23/02 | 55.75 | 53.50 | |
| 5,578.43 | | | | 11/22/02 | 55.81 | 53.56 | |
| 5,578.43 | | | | 12/03/02 | 55.81 | 53.56 | |
| 5,578.66 | | | | 01/09/03 | 55.58 | 53.33 | |
| 5,578.66 | | | | 02/12/03 | 55.58 | 53.33 | |
| 5,578.78 | | | | 03/26/03 | 55.46 | 53.21 | |
| 5,578.90 | | | | 04/02/03 | 55.34 | 53.09 | |
| 5,578.83 | | | | 05/01/03 | 55.41 | 53.16 | |
| 5,578.05 | | | | 06/09/03 | 56.19 | 53.94 | |
| 5,577.38 | | | | 07/07/03 | 56.86 | 54.61 | |
| 5,577.15 | | | | 08/04/03 | 57.09 | 54.84 | |
| 5,576.76 | | | | 09/11/03 | 57.48 | 55.23 | |
| 5,576.36 | | | | 10/02/03 | 57.88 | 55.63 | |
| 5,576.05 | | | | 11/07/03 | 58.19 | 55.94 | |
| 5,576.20 | | | | 12/03/03 | 58.04 | 55.79 | |
| 5,577.43 | | | | 01/15/04 | 56.81 | 54.56 | |
| 5,577.81 | | | | 02/10/04 | 56.43 | 54.18 | |
| 5,578.47 | | | | 03/28/04 | 55.77 | 53.52 | |
| 5,578.69 | | | | 04/12/04 | 55.55 | 53.30 | |
| 5,578.93 | | | | 05/13/04 | 55.31 | 53.06 | |
| 5,578.99 | | | | 06/18/04 | 55.25 | 53.00 | |
| 5,579.18 | | | | 07/28/04 | 55.06 | 52.81 | |
| 5,579.06 | | | | 08/30/04 | 55.18 | 52.93 | |
| 5,578.78 | | | | 09/16/04 | 55.46 | 53.21 | |
| 5,577.80 | | | | 10/11/04 | 56.44 | 54.19 | |
| 5,577.13 | | | | 11/16/04 | 57.11 | 54.86 | |
| 5,576.96 | | | | 12/22/04 | 57.28 | 55.03 | |
| 5,576.63 | | | | 01/18/05 | 57.61 | 55.36 | |
| 5,576.82 | | | | 02/28/05 | 57.42 | 55.17 | |
| 5,576.86 | | | | 03/15/05 | 57.38 | 55.13 | |
| 5,577.52 | | | | 04/26/05 | 56.72 | 54.47 | |
| 5,578.01 | | | | 05/24/05 | 56.23 | 53.98 | |
| 5,578.15 | | | | 06/30/05 | 56.09 | 53.84 | |
| 5,577.90 | | | | 07/29/05 | 56.34 | 54.09 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-10

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,631.99 | 5,634.24 | 2.25 | | | | 111 |
| 5,578.02 | | | | 09/12/05 | 56.22 | 53.97 | |
| 5,577.56 | | | | 12/07/05 | 56.68 | 54.43 | |
| 5,579.69 | | | | 03/08/06 | 54.55 | 52.30 | |
| 5,578.34 | | | | 06/13/06 | 55.90 | 53.65 | |
| 5,577.94 | | | | 07/18/06 | 56.30 | 54.05 | |
| 5,578.01 | | | | 11/07/06 | 56.23 | 53.98 | |
| 5578.43 | | | | 02/27/07 | 55.81 | 53.56 | |
| 5,577.84 | | | | 05/02/07 | 56.40 | 54.15 | |
| 5,578.74 | | | | 08/14/07 | 55.50 | 53.25 | |
| 5,579.04 | | | | 10/10/07 | 55.20 | 52.95 | |
| 5,580.69 | | | | 03/26/08 | 53.55 | 51.30 | |
| 5,579.87 | | | | 06/24/08 | 54.37 | 52.12 | |
| 5,579.47 | | | | 08/26/08 | 54.77 | 52.52 | |
| 5,578.87 | | | | 10/14/08 | 55.37 | 53.12 | |
| 5,578.01 | | | | 03/10/09 | 56.23 | 53.98 | |
| 5,577.85 | | | | 06/24/09 | 56.39 | 54.14 | |
| 5,577.49 | | | | 09/10/09 | 56.75 | 54.50 | |
| 5,577.98 | | | | 12/11/09 | 56.26 | 54.01 | |
| 5,578.38 | | | | 03/11/10 | 55.86 | 53.61 | |
| 5,578.16 | | | | 05/11/10 | 56.08 | 53.83 | |
| 5,577.85 | | | | 09/29/10 | 56.39 | 54.14 | |
| 5,577.28 | | | | 12/21/10 | 56.96 | 54.71 | |
| 5,577.14 | | | | 02/28/11 | 57.1 | 54.85 | |
| 5,578.09 | | | | 06/21/11 | 56.15 | 53.90 | |
| 5,578.24 | | | | 09/20/11 | 56 | 53.75 | |
| 5,578.74 | | | | 12/21/11 | 55.5 | 53.25 | |
| 5,577.89 | | | | 03/27/12 | 56.35 | 54.10 | |
| 5,577.90 | | | | 06/28/12 | 56.34 | 54.09 | |
| 5,578.29 | | | | 09/27/12 | 55.95 | 53.70 | |
| 5,577.87 | | | | 12/28/12 | 56.37 | 54.12 | |
| 5,577.92 | | | | 03/28/13 | 56.32 | 54.07 | |
| 5,577.19 | | | | 06/27/13 | 57.05 | 54.80 | |
| 5,576.77 | | | | 09/27/13 | 57.47 | 55.22 | |
| 5,576.22 | | | | 12/20/13 | 58.02 | 55.77 | |
| 5,575.36 | | | | 03/27/14 | 58.88 | 56.63 | |
| 5,574.11 | | | | 06/25/14 | 60.13 | 57.88 | |
| 5,573.19 | | | | 09/25/14 | 61.05 | 58.80 | |
| 5,573.19 | | | | 12/17/14 | 61.05 | 58.80 | |
| 5,573.12 | | | | 03/26/15 | 61.12 | 58.87 | |
| 5,573.33 | | | | 06/22/15 | 60.91 | 58.66 | |
| 5,572.98 | | | | 09/30/15 | 61.26 | 59.01 | |
| 5,572.39 | | | | 12/02/15 | 61.85 | 59.60 | |

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



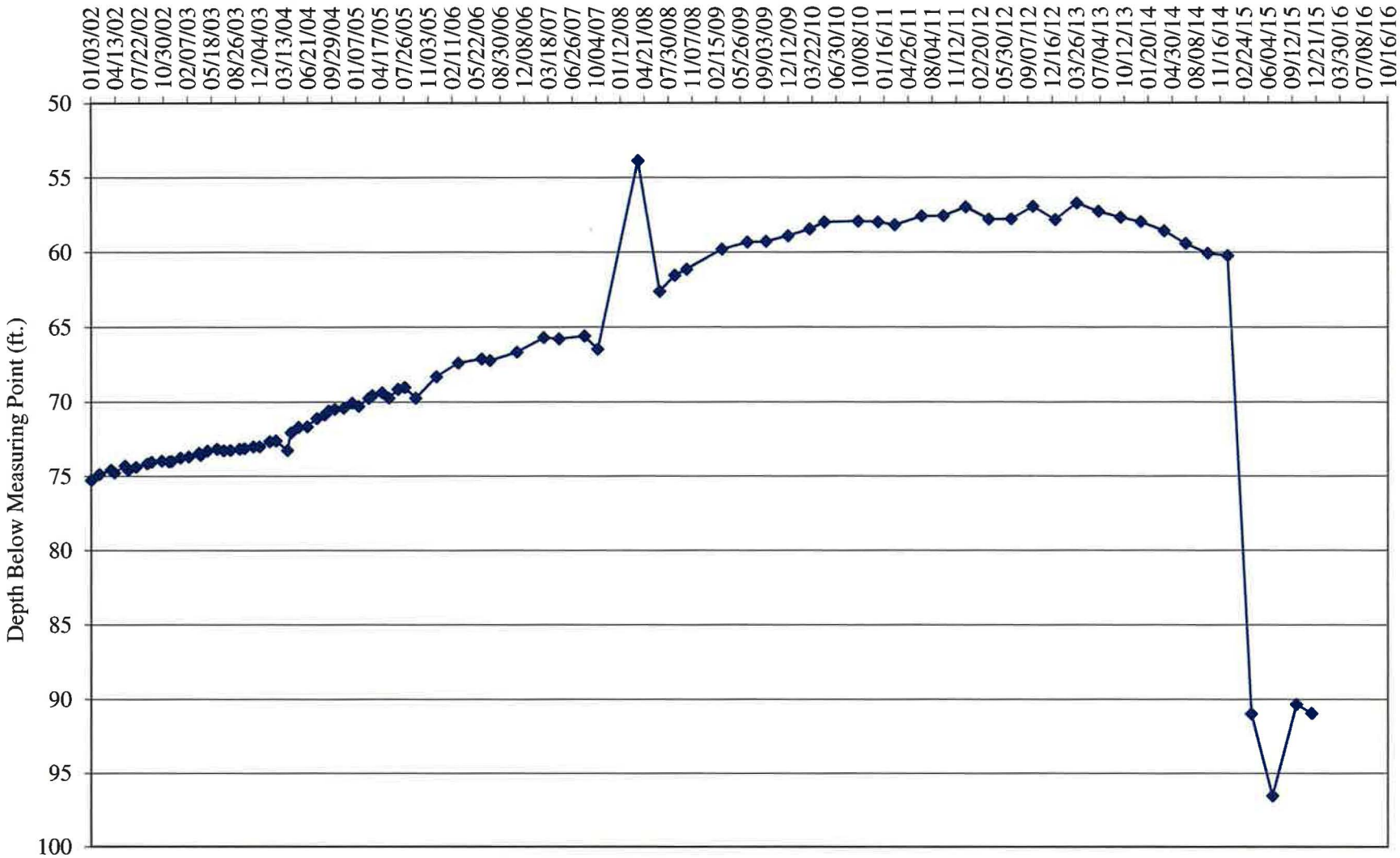
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-11

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,621.92 | 5,623.62 | 1.70 | | | | 100 |
| 5,548.32 | | | | 01/03/02 | 75.30 | 73.60 | |
| 5,548.73 | | | | 02/06/02 | 74.89 | 73.19 | |
| 5,549.03 | | | | 03/26/02 | 74.59 | 72.89 | |
| 5,548.84 | | | | 04/09/02 | 74.78 | 73.08 | |
| 5,549.30 | | | | 05/23/02 | 74.32 | 72.62 | |
| 5,549.01 | | | | 06/05/02 | 74.61 | 72.91 | |
| 5,549.22 | | | | 07/08/02 | 74.40 | 72.70 | |
| 5,549.44 | | | | 08/23/02 | 74.18 | 72.48 | |
| 5,549.57 | | | | 09/11/02 | 74.05 | 72.35 | |
| 5,549.64 | | | | 10/23/02 | 73.98 | 72.28 | |
| 5,549.58 | | | | 11/22/02 | 74.04 | 72.34 | |
| 5,549.62 | | | | 12/03/02 | 74.00 | 72.30 | |
| 5,549.85 | | | | 01/09/03 | 73.77 | 72.07 | |
| 5,549.91 | | | | 02/12/03 | 73.71 | 72.01 | |
| 5,550.15 | | | | 03/26/03 | 73.47 | 71.77 | |
| 5,550.01 | | | | 04/02/03 | 73.61 | 71.91 | |
| 5,550.31 | | | | 05/01/03 | 73.31 | 71.61 | |
| 5,550.44 | | | | 06/09/03 | 73.18 | 71.48 | |
| 5,550.33 | | | | 07/07/03 | 73.29 | 71.59 | |
| 5,550.35 | | | | 08/04/03 | 73.27 | 71.57 | |
| 5,550.44 | | | | 09/11/03 | 73.18 | 71.48 | |
| 5,550.47 | | | | 10/02/03 | 73.15 | 71.45 | |
| 5,550.60 | | | | 11/07/03 | 73.02 | 71.32 | |
| 5,550.60 | | | | 12/03/03 | 73.02 | 71.32 | |
| 5,550.94 | | | | 01/15/04 | 72.68 | 70.98 | |
| 5,551.00 | | | | 02/10/04 | 72.62 | 70.92 | |
| 5,550.34 | | | | 03/28/04 | 73.28 | 71.58 | |
| 5,551.54 | | | | 04/12/04 | 72.08 | 70.38 | |
| 5,551.89 | | | | 05/13/04 | 71.73 | 70.03 | |
| 5,551.94 | | | | 06/18/04 | 71.68 | 69.98 | |
| 5,552.49 | | | | 07/28/04 | 71.13 | 69.43 | |
| 5,552.74 | | | | 08/30/04 | 70.88 | 69.18 | |
| 5,553.01 | | | | 09/16/04 | 70.61 | 68.91 | |
| 5,553.11 | | | | 10/11/04 | 70.51 | 68.81 | |
| 5,553.19 | | | | 11/16/04 | 70.43 | 68.73 | |
| 5,553.53 | | | | 12/22/04 | 70.09 | 68.39 | |
| 5,553.31 | | | | 01/18/05 | 70.31 | 68.61 | |
| 5,553.84 | | | | 02/28/05 | 69.78 | 68.08 | |
| 5,554.04 | | | | 03/15/05 | 69.58 | 67.88 | |
| 5,554.23 | | | | 04/26/05 | 69.39 | 67.69 | |
| 5,553.87 | | | | 05/24/05 | 69.75 | 68.05 | |
| 5,554.46 | | | | 06/30/05 | 69.16 | 67.46 | |
| 5,554.57 | | | | 07/29/05 | 69.05 | 67.35 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-11

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,621.92 | 5,623.62 | 1.70 | | | | 100 |
| 5,553.86 | | | | 09/12/05 | 69.76 | 68.06 | |
| 5,555.30 | | | | 12/07/05 | 68.32 | 66.62 | |
| 5,556.20 | | | | 03/08/06 | 67.42 | 65.72 | |
| 5,556.48 | | | | 06/14/06 | 67.14 | 65.44 | |
| 5,556.37 | | | | 07/18/06 | 67.25 | 65.55 | |
| 5,556.94 | | | | 11/07/06 | 66.68 | 64.98 | |
| 5557.92 | | | | 02/27/07 | 65.70 | 64 | |
| 5,557.84 | | | | 05/02/07 | 65.78 | 64.08 | |
| 5,558.02 | | | | 08/15/07 | 65.60 | 63.90 | |
| 5,557.13 | | | | 10/10/07 | 66.49 | 64.79 | |
| 5,569.74 | | | | 03/26/08 | 53.88 | 52.18 | |
| 5,561.01 | | | | 06/24/08 | 62.61 | 60.91 | |
| 5,562.07 | | | | 08/26/08 | 61.55 | 59.85 | |
| 5,562.47 | | | | 10/14/08 | 61.15 | 59.45 | |
| 5,563.80 | | | | 03/10/09 | 59.82 | 58.12 | |
| 5,564.27 | | | | 06/24/09 | 59.35 | 57.65 | |
| 5,564.32 | | | | 09/10/09 | 59.30 | 57.60 | |
| 5,564.70 | | | | 12/11/09 | 58.92 | 57.22 | |
| 5,565.14 | | | | 03/11/10 | 58.48 | 56.78 | |
| 5,565.61 | | | | 05/11/10 | 58.01 | 56.31 | |
| 5,565.67 | | | | 09/29/10 | 57.95 | 56.25 | |
| 5,565.62 | | | | 12/21/10 | 58.00 | 56.30 | |
| 5,565.42 | | | | 02/28/11 | 58.20 | 56.50 | |
| 5,566.01 | | | | 06/21/11 | 57.61 | 55.91 | |
| 5,566.03 | | | | 09/20/11 | 57.59 | 55.89 | |
| 5,566.63 | | | | 12/21/11 | 56.99 | 55.29 | |
| 5,565.81 | | | | 03/27/12 | 57.81 | 56.11 | |
| 5,565.82 | | | | 06/28/12 | 57.80 | 56.10 | |
| 5,566.66 | | | | 09/27/12 | 56.96 | 55.26 | |
| 5,565.77 | | | | 12/28/12 | 57.85 | 56.15 | |
| 5,566.89 | | | | 03/28/13 | 56.73 | 55.03 | |
| 5,566.32 | | | | 06/27/13 | 57.30 | 55.60 | |
| 5,565.92 | | | | 09/27/13 | 57.70 | 56.00 | |
| 5,565.63 | | | | 12/20/13 | 57.99 | 56.29 | |
| 5,565.03 | | | | 03/27/14 | 58.59 | 56.89 | |
| 5,564.18 | | | | 06/25/14 | 59.44 | 57.74 | |
| 5,563.52 | | | | 09/25/14 | 60.10 | 58.40 | |
| 5,563.37 | | | | 12/17/14 | 60.25 | 58.55 | |
| 5,532.62 | | | | 03/26/15 | 91.00 | 89.30 | |
| 5,527.07 | | | | 06/22/15 | 96.55 | 94.85 | |
| 5,533.27 | | | | 09/30/15 | 90.35 | 88.65 | |
| 5,532.67 | | | | 12/02/15 | 90.95 | 89.25 | |

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



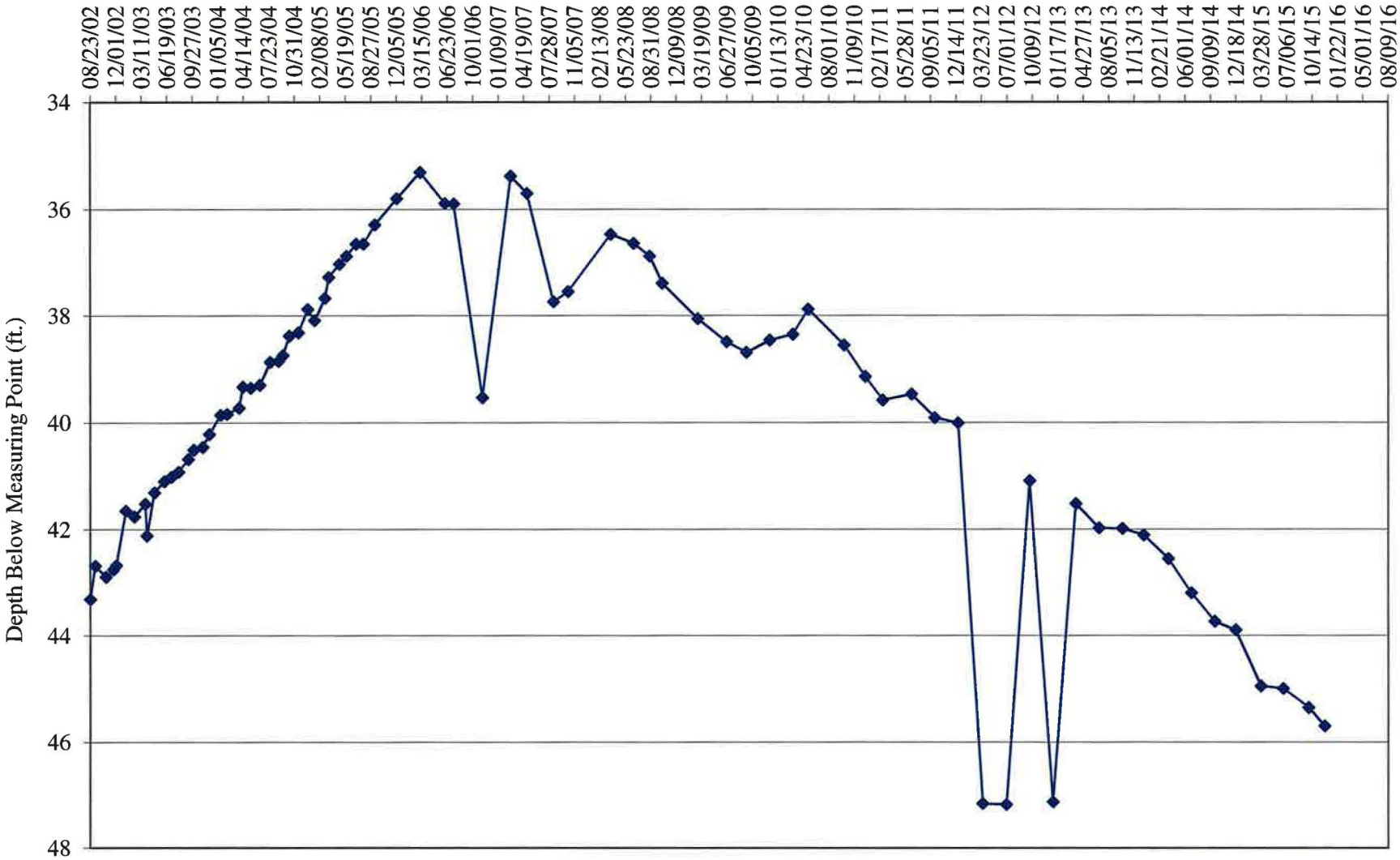
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-12

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,622.38 | 5,624.23 | 1.85 | | | | 101.5 |
| 5,580.91 | | | | 08/23/02 | 43.32 | 41.47 | |
| 5,581.54 | | | | 09/11/02 | 42.69 | 40.84 | |
| 5,581.33 | | | | 10/23/02 | 42.90 | 41.05 | |
| 5,581.47 | | | | 11/22/02 | 42.76 | 40.91 | |
| 5,581.55 | | | | 12/03/02 | 42.68 | 40.83 | |
| 5,582.58 | | | | 01/09/03 | 41.65 | 39.80 | |
| 5,582.47 | | | | 02/12/03 | 41.76 | 39.91 | |
| 5,582.71 | | | | 03/26/03 | 41.52 | 39.67 | |
| 5,582.11 | | | | 04/02/03 | 42.12 | 40.27 | |
| 5,582.92 | | | | 05/01/03 | 41.31 | 39.46 | |
| 5,583.13 | | | | 06/09/03 | 41.10 | 39.25 | |
| 5,583.21 | | | | 07/07/03 | 41.02 | 39.17 | |
| 5,583.31 | | | | 08/04/03 | 40.92 | 39.07 | |
| 5,583.55 | | | | 09/11/03 | 40.68 | 38.83 | |
| 5,583.72 | | | | 10/02/03 | 40.51 | 38.66 | |
| 5,583.77 | | | | 11/07/03 | 40.46 | 38.61 | |
| 5,584.01 | | | | 12/03/03 | 40.22 | 38.37 | |
| 5,584.37 | | | | 01/15/04 | 39.86 | 38.01 | |
| 5,584.39 | | | | 02/10/04 | 39.84 | 37.99 | |
| 5,584.51 | | | | 03/28/04 | 39.72 | 37.87 | |
| 5,584.90 | | | | 04/12/04 | 39.33 | 37.48 | |
| 5,584.88 | | | | 05/13/04 | 39.35 | 37.50 | |
| 5,584.93 | | | | 06/18/04 | 39.30 | 37.45 | |
| 5,585.36 | | | | 07/28/04 | 38.87 | 37.02 | |
| 5,585.38 | | | | 08/30/04 | 38.85 | 37.00 | |
| 5,585.49 | | | | 09/16/04 | 38.74 | 36.89 | |
| 5,585.85 | | | | 10/11/04 | 38.38 | 36.53 | |
| 5,585.91 | | | | 11/16/04 | 38.32 | 36.47 | |
| 5,586.35 | | | | 12/22/04 | 37.88 | 36.03 | |
| 5,586.14 | | | | 01/18/05 | 38.09 | 36.24 | |
| 5,586.56 | | | | 02/28/05 | 37.67 | 35.82 | |
| 5,586.95 | | | | 03/15/05 | 37.28 | 35.43 | |
| 5,587.20 | | | | 04/26/05 | 37.03 | 35.18 | |
| 5,587.35 | | | | 05/24/05 | 36.88 | 35.03 | |
| 5,587.58 | | | | 06/30/05 | 36.65 | 34.80 | |
| 5,587.58 | | | | 07/29/05 | 36.65 | 34.80 | |
| 5,587.94 | | | | 09/12/05 | 36.29 | 34.44 | |
| 5,588.43 | | | | 12/07/05 | 35.80 | 33.95 | |
| 5,588.92 | | | | 03/08/06 | 35.31 | 33.46 | |
| 5,588.34 | | | | 06/13/06 | 35.89 | 34.04 | |
| 5,588.33 | | | | 07/18/06 | 35.90 | 34.05 | |
| 5,584.70 | | | | 11/07/06 | 39.53 | 37.68 | |
| 5588.85 | | | | 02/27/07 | 35.38 | 33.53 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-12

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,622.38 | 5,624.23 | 1.85 | | | | 101.5 |
| 5,588.53 | | | | 05/02/07 | 35.70 | 33.85 | |
| 5,586.49 | | | | 08/14/07 | 37.74 | 35.89 | |
| 5,586.68 | | | | 10/10/07 | 37.55 | 35.70 | |
| 5,587.76 | | | | 03/26/08 | 36.47 | 34.62 | |
| 5,587.59 | | | | 06/24/08 | 36.64 | 34.79 | |
| 5,587.35 | | | | 08/26/08 | 36.88 | 35.03 | |
| 5,586.84 | | | | 10/14/08 | 37.39 | 35.54 | |
| 5,586.17 | | | | 03/03/09 | 38.06 | 36.21 | |
| 5,585.74 | | | | 06/24/09 | 38.49 | 36.64 | |
| 5,585.54 | | | | 09/10/09 | 38.69 | 36.84 | |
| 5,585.77 | | | | 12/11/09 | 38.46 | 36.61 | |
| 5,585.88 | | | | 03/11/10 | 38.35 | 36.50 | |
| 5,586.35 | | | | 05/11/10 | 37.88 | 36.03 | |
| 5,585.68 | | | | 09/29/10 | 38.55 | 36.70 | |
| 5,585.09 | | | | 12/21/10 | 39.14 | 37.29 | |
| 5,584.65 | | | | 02/28/11 | 39.58 | 37.73 | |
| 5,584.76 | | | | 06/21/11 | 39.47 | 37.62 | |
| 5,584.32 | | | | 09/20/11 | 39.91 | 38.06 | |
| 5,584.22 | | | | 12/21/11 | 40.01 | 38.16 | |
| 5,577.07 | | | | 03/27/12 | 47.16 | 45.31 | |
| 5,577.05 | | | | 06/28/12 | 47.18 | 45.33 | |
| 5,583.14 | | | | 09/27/12 | 41.09 | 39.24 | |
| 5,577.10 | | | | 12/28/12 | 47.13 | 45.28 | |
| 5,582.71 | | | | 03/28/13 | 41.52 | 39.67 | |
| 5,582.25 | | | | 06/27/13 | 41.98 | 40.13 | |
| 5,582.24 | | | | 09/27/13 | 41.99 | 40.14 | |
| 5,582.12 | | | | 12/20/13 | 42.11 | 40.26 | |
| 5,581.67 | | | | 03/27/14 | 42.56 | 40.71 | |
| 5,581.03 | | | | 06/25/14 | 43.20 | 41.35 | |
| 5,580.49 | | | | 09/25/14 | 43.74 | 41.89 | |
| 5,580.33 | | | | 12/17/14 | 43.90 | 42.05 | |
| 5,579.28 | | | | 03/26/15 | 44.95 | 43.10 | |
| 5,579.23 | | | | 06/22/15 | 45.00 | 43.15 | |
| 5,578.87 | | | | 09/30/15 | 45.36 | 43.51 | |
| 5,578.53 | | | | 12/02/15 | 45.70 | 43.85 | |

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



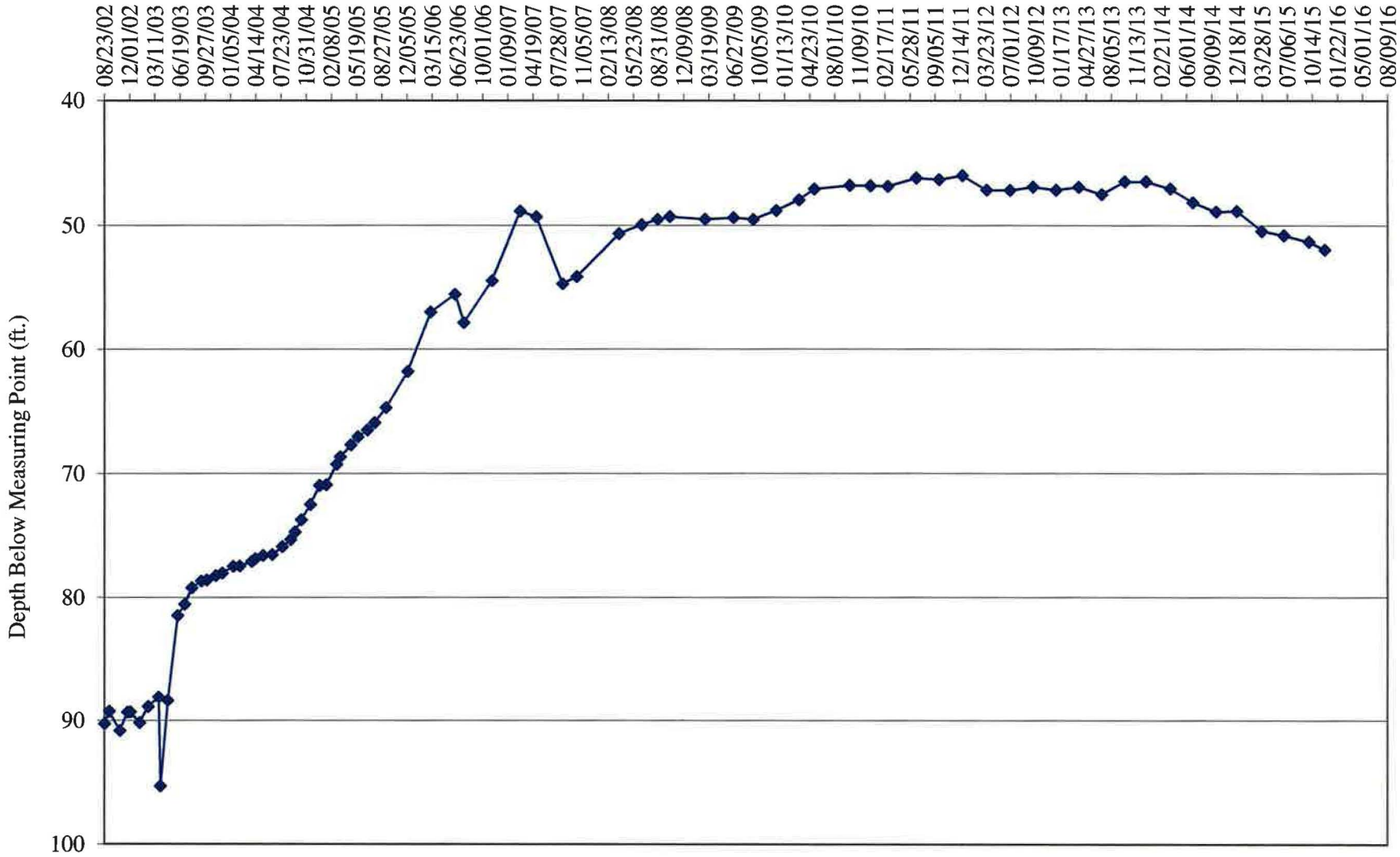
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-13

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,618.09 | 5,619.94 | 1.85 | | | | 102.5 |
| 5,529.66 | | | | 08/23/02 | 90.28 | 88.43 | |
| 5,530.66 | | | | 09/11/02 | 89.28 | 87.43 | |
| 5,529.10 | | | | 10/23/02 | 90.84 | 88.99 | |
| 5,530.58 | | | | 11/22/02 | 89.36 | 87.51 | |
| 5,530.61 | | | | 12/03/02 | 89.33 | 87.48 | |
| 5,529.74 | | | | 01/09/03 | 90.20 | 88.35 | |
| 5,531.03 | | | | 02/12/03 | 88.91 | 87.06 | |
| 5,531.82 | | | | 03/26/03 | 88.12 | 86.27 | |
| 5,524.63 | | | | 04/02/03 | 95.31 | 93.46 | |
| 5,531.54 | | | | 05/01/03 | 88.40 | 86.55 | |
| 5,538.46 | | | | 06/09/03 | 81.48 | 79.63 | |
| 5,539.38 | | | | 07/07/03 | 80.56 | 78.71 | |
| 5,540.72 | | | | 08/04/03 | 79.22 | 77.37 | |
| 5,541.25 | | | | 09/11/03 | 78.69 | 76.84 | |
| 5,541.34 | | | | 10/02/03 | 78.60 | 76.75 | |
| 5,541.69 | | | | 11/07/03 | 78.25 | 76.40 | |
| 5,541.91 | | | | 12/03/03 | 78.03 | 76.18 | |
| 5,542.44 | | | | 01/15/04 | 77.50 | 75.65 | |
| 5,542.47 | | | | 02/10/04 | 77.47 | 75.62 | |
| 5,542.84 | | | | 03/28/04 | 77.10 | 75.25 | |
| 5,543.08 | | | | 04/12/04 | 76.86 | 75.01 | |
| 5,543.34 | | | | 05/13/04 | 76.60 | 74.75 | |
| 5,543.40 | | | | 06/18/04 | 76.54 | 74.69 | |
| 5,544.06 | | | | 07/28/04 | 75.88 | 74.03 | |
| 5,544.61 | | | | 08/30/04 | 75.33 | 73.48 | |
| 5,545.23 | | | | 09/16/04 | 74.71 | 72.86 | |
| 5,546.20 | | | | 10/11/04 | 73.74 | 71.89 | |
| 5,547.43 | | | | 11/16/04 | 72.51 | 70.66 | |
| 5,548.96 | | | | 12/22/04 | 70.98 | 69.13 | |
| 5,549.02 | | | | 01/18/05 | 70.92 | 69.07 | |
| 5,550.66 | | | | 02/28/05 | 69.28 | 67.43 | |
| 5,551.26 | | | | 03/15/05 | 68.68 | 66.83 | |
| 5,552.23 | | | | 04/26/05 | 67.71 | 65.86 | |
| 5,552.87 | | | | 05/24/05 | 67.07 | 65.22 | |
| 5,553.42 | | | | 06/30/05 | 66.52 | 64.67 | |
| 5,554.00 | | | | 07/29/05 | 65.94 | 64.09 | |
| 5,555.21 | | | | 09/12/05 | 64.73 | 62.88 | |
| 5,558.13 | | | | 12/07/05 | 61.81 | 59.96 | |
| 5,562.93 | | | | 03/08/06 | 57.01 | 55.16 | |
| 5,564.39 | | | | 06/13/06 | 55.55 | 53.70 | |
| 5,562.09 | | | | 07/18/06 | 57.85 | 56.00 | |
| 5,565.49 | | | | 11/07/06 | 54.45 | 52.60 | |
| 5571.08 | | | | 02/27/07 | 48.86 | 47.01 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-13

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,618.09 | 5,619.94 | 1.85 | | | | 102.5 |
| 5,570.63 | | | | 05/02/07 | 49.31 | 47.46 | |
| 5,565.24 | | | | 08/14/07 | 54.70 | 52.85 | |
| 5,565.83 | | | | 10/10/07 | 54.11 | 52.26 | |
| 5,569.29 | | | | 03/26/08 | 50.65 | 48.80 | |
| 5,570.00 | | | | 06/24/08 | 49.94 | 48.09 | |
| 5,570.41 | | | | 08/26/08 | 49.53 | 47.68 | |
| 5,570.64 | | | | 10/14/08 | 49.30 | 47.45 | |
| 5,570.43 | | | | 03/03/09 | 49.51 | 47.66 | |
| 5,570.56 | | | | 06/24/09 | 49.38 | 47.53 | |
| 5,570.42 | | | | 09/10/09 | 49.52 | 47.67 | |
| 5,571.15 | | | | 12/11/09 | 48.79 | 46.94 | |
| 5,572.01 | | | | 03/11/10 | 47.93 | 46.08 | |
| 5,572.88 | | | | 05/11/10 | 47.06 | 45.21 | |
| 5,573.17 | | | | 09/29/10 | 46.77 | 44.92 | |
| 5,573.14 | | | | 12/21/10 | 46.80 | 44.95 | |
| 5,573.10 | | | | 02/28/11 | 46.84 | 44.99 | |
| 5,573.75 | | | | 06/21/11 | 46.19 | 44.34 | |
| 5,573.63 | | | | 09/20/11 | 46.31 | 44.46 | |
| 5,573.94 | | | | 12/21/11 | 46.00 | 44.15 | |
| 5,572.79 | | | | 03/27/12 | 47.15 | 45.30 | |
| 5,572.77 | | | | 06/28/12 | 47.17 | 45.32 | |
| 5,573.04 | | | | 09/27/12 | 46.90 | 45.05 | |
| 5,572.79 | | | | 12/28/12 | 47.15 | 45.30 | |
| 5,573.03 | | | | 03/28/13 | 46.91 | 45.06 | |
| 5,572.44 | | | | 06/27/13 | 47.50 | 45.65 | |
| 5,573.46 | | | | 09/27/13 | 46.48 | 44.63 | |
| 5,573.46 | | | | 12/20/13 | 46.48 | 44.63 | |
| 5,572.90 | | | | 03/27/14 | 47.04 | 45.19 | |
| 5,571.79 | | | | 06/25/14 | 48.15 | 46.30 | |
| 5,571.04 | | | | 09/25/14 | 48.90 | 47.05 | |
| 5,571.08 | | | | 12/17/14 | 48.86 | 47.01 | |
| 5,569.50 | | | | 03/26/15 | 50.44 | 48.59 | |
| 5,569.16 | | | | 06/22/15 | 50.78 | 48.93 | |
| 5,568.66 | | | | 09/30/15 | 51.28 | 49.43 | |
| 5,568.02 | | | | 12/02/15 | 51.92 | 50.07 | |

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



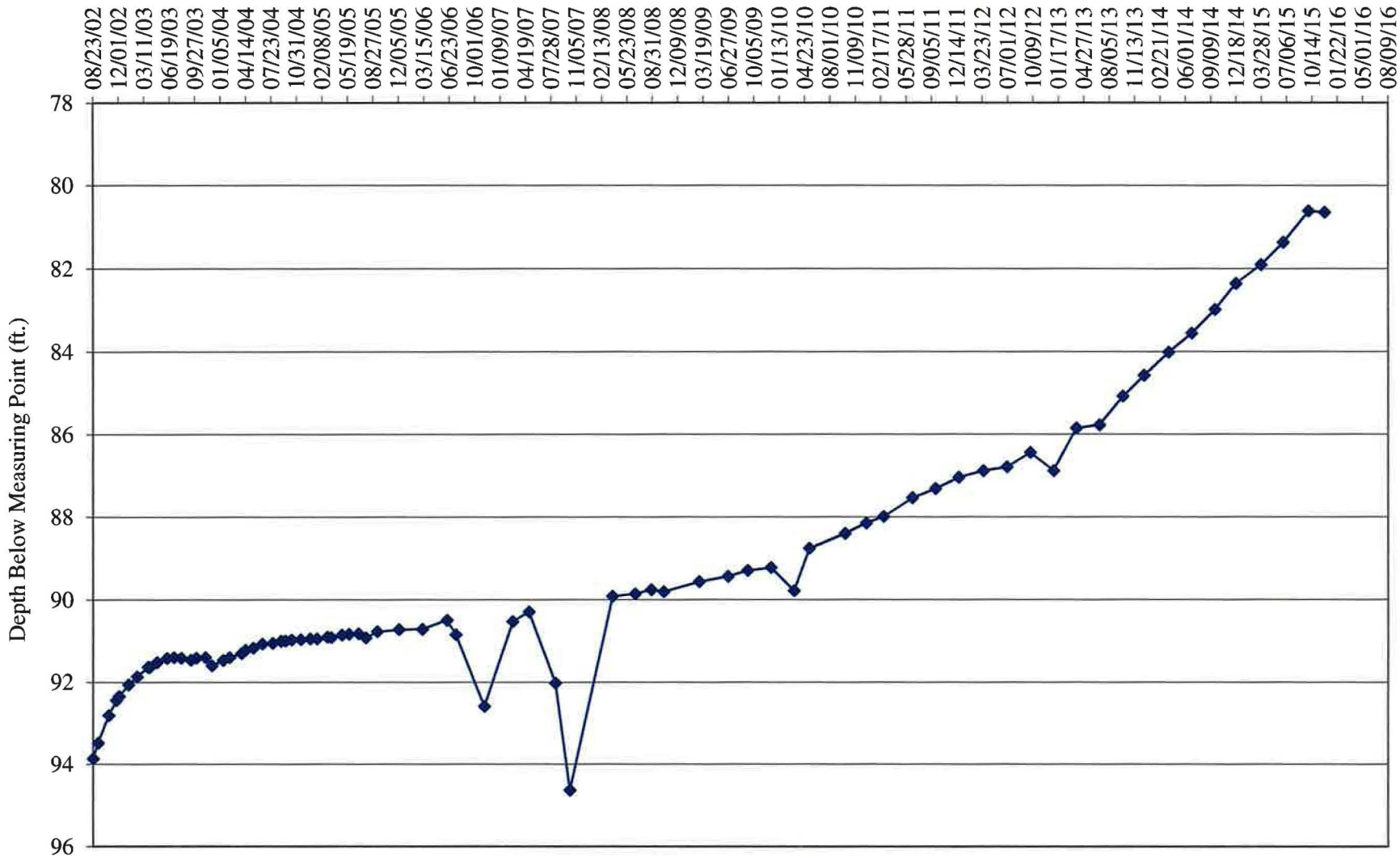
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-14

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,610.92 | 5,612.77 | 1.85 | | | | 93 |
| 5,518.90 | | | | 08/23/02 | 93.87 | 92.02 | |
| 5,519.28 | | | | 09/11/02 | 93.49 | 91.64 | |
| 5,519.95 | | | | 10/23/02 | 92.82 | 90.97 | |
| 5,520.32 | | | | 11/22/02 | 92.45 | 90.60 | |
| 5,520.42 | | | | 12/03/02 | 92.35 | 90.50 | |
| 5,520.70 | | | | 01/09/03 | 92.07 | 90.22 | |
| 5,520.89 | | | | 02/12/03 | 91.88 | 90.03 | |
| 5,521.12 | | | | 03/26/03 | 91.65 | 89.80 | |
| 5,521.12 | | | | 04/02/03 | 91.65 | 89.80 | |
| 5,521.24 | | | | 05/01/03 | 91.53 | 89.68 | |
| 5,521.34 | | | | 06/09/03 | 91.43 | 89.58 | |
| 5,521.36 | | | | 07/07/03 | 91.41 | 89.56 | |
| 5,521.35 | | | | 08/04/03 | 91.42 | 89.57 | |
| 5,521.30 | | | | 09/11/03 | 91.47 | 89.62 | |
| 5,521.35 | | | | 10/02/03 | 91.42 | 89.57 | |
| 5,521.36 | | | | 11/07/03 | 91.41 | 89.56 | |
| 5,521.16 | | | | 12/03/03 | 91.61 | 89.76 | |
| 5,521.29 | | | | 01/15/04 | 91.48 | 89.63 | |
| 5,521.36 | | | | 02/10/04 | 91.41 | 89.56 | |
| 5,521.46 | | | | 03/28/04 | 91.31 | 89.46 | |
| 5,521.54 | | | | 04/12/04 | 91.23 | 89.38 | |
| 5,521.59 | | | | 05/13/04 | 91.18 | 89.33 | |
| 5,521.69 | | | | 06/18/04 | 91.08 | 89.23 | |
| 5,521.71 | | | | 07/28/04 | 91.06 | 89.21 | |
| 5,521.76 | | | | 08/30/04 | 91.01 | 89.16 | |
| 5,521.77 | | | | 09/16/04 | 91.00 | 89.15 | |
| 5,521.79 | | | | 10/11/04 | 90.98 | 89.13 | |
| 5,521.80 | | | | 11/16/04 | 90.97 | 89.12 | |
| 5,521.82 | | | | 12/22/04 | 90.95 | 89.10 | |
| 5,521.82 | | | | 01/18/05 | 90.95 | 89.10 | |
| 5,521.86 | | | | 02/28/05 | 90.91 | 89.06 | |
| 5,521.85 | | | | 03/15/05 | 90.92 | 89.07 | |
| 5,521.91 | | | | 04/26/05 | 90.86 | 89.01 | |
| 5,521.93 | | | | 05/24/05 | 90.84 | 88.99 | |
| 5,521.94 | | | | 06/30/05 | 90.83 | 88.98 | |
| 5,521.84 | | | | 07/29/05 | 90.93 | 89.08 | |
| 5,521.99 | | | | 09/12/05 | 90.78 | 88.93 | |
| 5,522.04 | | | | 12/07/05 | 90.73 | 88.88 | |
| 5,522.05 | | | | 03/08/06 | 90.72 | 88.87 | |
| 5,522.27 | | | | 06/13/06 | 90.50 | 88.65 | |
| 5,521.92 | | | | 07/18/06 | 90.85 | 89.00 | |
| 5,520.17 | | | | 11/07/06 | 92.60 | 90.75 | |
| 5522.24 | | | | 02/27/07 | 90.53 | 88.68 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-14

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,610.92 | 5,612.77 | 1.85 | | | | 93 |
| 5,522.47 | | | | 05/02/07 | 90.30 | 88.45 | |
| 5,520.74 | | | | 08/14/07 | 92.03 | 90.18 | |
| 5,518.13 | | | | 10/10/07 | 94.64 | 92.79 | |
| 5,522.85 | | | | 03/26/08 | 89.92 | 88.07 | |
| 5,522.91 | | | | 06/24/08 | 89.86 | 88.01 | |
| 5,523.01 | | | | 08/26/08 | 89.76 | 87.91 | |
| 5,522.96 | | | | 10/14/08 | 89.81 | 87.96 | |
| 5,523.20 | | | | 03/03/09 | 89.57 | 87.72 | |
| 5,523.33 | | | | 06/24/09 | 89.44 | 87.59 | |
| 5,523.47 | | | | 09/10/09 | 89.30 | 87.45 | |
| 5,523.54 | | | | 12/11/09 | 89.23 | 87.38 | |
| 5,522.98 | | | | 03/11/10 | 89.79 | 87.94 | |
| 5,524.01 | | | | 05/11/10 | 88.76 | 86.91 | |
| 5,524.37 | | | | 09/29/10 | 88.40 | 86.55 | |
| 5,524.62 | | | | 12/21/10 | 88.15 | 86.30 | |
| 5,524.78 | | | | 02/28/11 | 87.99 | 86.14 | |
| 5,525.23 | | | | 06/21/11 | 87.54 | 85.69 | |
| 5,525.45 | | | | 09/20/11 | 87.32 | 85.47 | |
| 5,525.72 | | | | 12/21/11 | 87.05 | 85.20 | |
| 5,525.88 | | | | 03/27/12 | 86.89 | 85.04 | |
| 5,525.97 | | | | 06/28/12 | 86.80 | 84.95 | |
| 5,526.32 | | | | 09/27/12 | 86.45 | 84.60 | |
| 5,525.88 | | | | 12/28/12 | 86.89 | 85.04 | |
| 5,526.91 | | | | 03/28/13 | 85.86 | 84.01 | |
| 5,526.99 | | | | 06/27/13 | 85.78 | 83.93 | |
| 5,527.68 | | | | 09/27/13 | 85.09 | 83.24 | |
| 5,528.19 | | | | 12/20/13 | 84.58 | 82.73 | |
| 5,528.75 | | | | 03/27/14 | 84.02 | 82.17 | |
| 5,529.21 | | | | 06/25/14 | 83.56 | 81.71 | |
| 5,529.78 | | | | 09/25/14 | 82.99 | 81.14 | |
| 5,530.41 | | | | 12/17/14 | 82.36 | 80.51 | |
| 5,530.86 | | | | 03/26/15 | 81.91 | 80.06 | |
| 5,531.40 | | | | 06/22/15 | 81.37 | 79.52 | |
| 5,532.15 | | | | 09/30/15 | 80.62 | 78.77 | |
| 5,532.12 | | | | 12/02/15 | 80.65 | 78.80 | |

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



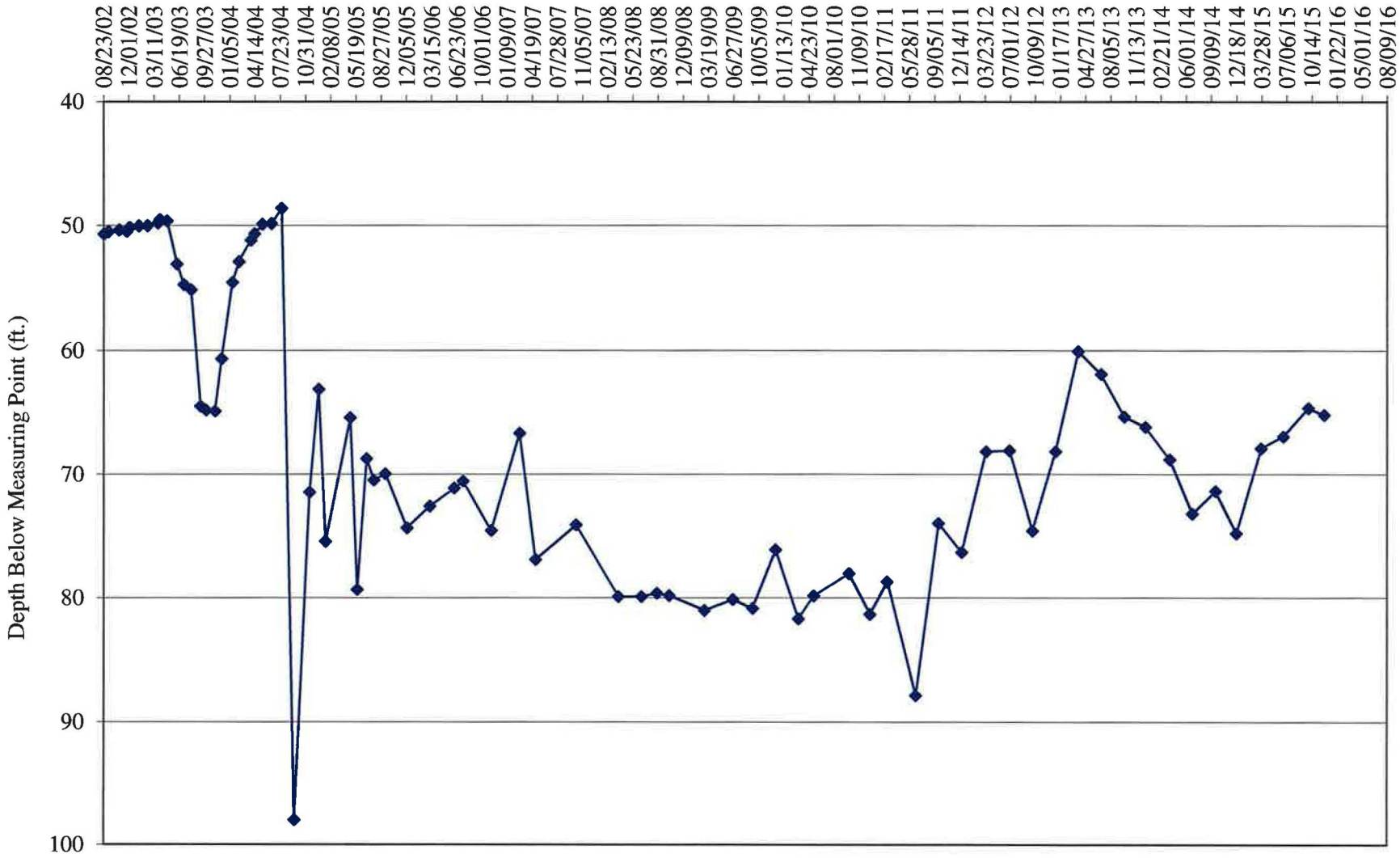
# Water Levels and Data over Time
# White Mesa Mill - Well MW-26

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,624.15 | 5,625.45 | 1.30 | | | | 121.33 |
| 5,574.75 | | | | 08/23/02 | 50.70 | 49.40 | |
| 5,574.97 | | | | 09/11/02 | 50.48 | 49.18 | |
| 5,575.10 | | | | 10/23/02 | 50.35 | 49.05 | |
| 5,574.99 | | | | 11/22/02 | 50.46 | 49.16 | |
| 5,575.28 | | | | 12/03/02 | 50.17 | 48.87 | |
| 5,575.41 | | | | 01/09/03 | 50.04 | 48.74 | |
| 5,575.43 | | | | 02/12/03 | 50.02 | 48.72 | |
| 5,575.63 | | | | 03/26/03 | 49.82 | 48.52 | |
| 5,575.91 | | | | 04/02/03 | 49.54 | 48.24 | |
| 5,575.81 | | | | 05/01/03 | 49.64 | 48.34 | |
| 5,572.36 | | | | 06/09/03 | 53.09 | 51.79 | |
| 5,570.70 | | | | 07/07/03 | 54.75 | 53.45 | |
| 5,570.29 | | | | 08/04/03 | 55.16 | 53.86 | |
| 5,560.94 | | | | 09/11/03 | 64.51 | 63.21 | |
| 5,560.63 | | | | 10/02/03 | 64.82 | 63.52 | |
| 5,560.56 | | | | 11/07/03 | 64.89 | 63.59 | |
| 5,564.77 | | | | 12/03/03 | 60.68 | 59.38 | |
| 5,570.89 | | | | 01/15/04 | 54.56 | 53.26 | |
| 5,572.55 | | | | 02/10/04 | 52.90 | 51.60 | |
| 5,574.25 | | | | 03/28/04 | 51.20 | 49.90 | |
| 5,574.77 | | | | 04/12/04 | 50.68 | 49.38 | |
| 5,575.53 | | | | 05/13/04 | 49.92 | 48.62 | |
| 5,575.59 | | | | 06/18/04 | 49.86 | 48.56 | |
| 5,576.82 | | | | 07/28/04 | 48.63 | 47.33 | |
| 5,527.47 | | | | 09/16/04 | 97.98 | 96.68 | |
| 5,553.97 | | | | 11/16/04 | 71.48 | 70.18 | |
| 5,562.33 | | | | 12/22/04 | 63.12 | 61.82 | |
| 5,550.00 | | | | 01/18/05 | 75.45 | 74.15 | |
| 5,560.02 | | | | 04/26/05 | 65.43 | 64.13 | |
| 5,546.11 | | | | 05/24/05 | 79.34 | 78.04 | |
| 5,556.71 | | | | 06/30/05 | 68.74 | 67.44 | |
| 5,554.95 | | | | 07/29/05 | 70.50 | 69.20 | |
| 5,555.48 | | | | 09/12/05 | 69.97 | 68.67 | |
| 5,551.09 | | | | 12/07/05 | 74.36 | 73.06 | |
| 5,552.85 | | | | 03/08/06 | 72.60 | 71.30 | |
| 5,554.30 | | | | 06/13/06 | 71.15 | 69.85 | |
| 5,554.87 | | | | 07/18/06 | 70.58 | 69.28 | |
| 5,550.88 | | | | 11/07/06 | 74.57 | 73.27 | |
| 5558.77 | | | | 02/27/07 | 66.68 | 65.38 | |
| 5,548.54 | | | | 05/02/07 | 76.91 | 75.61 | |
| 5,551.33 | | | | 10/10/07 | 74.12 | 72.82 | |
| 5,545.56 | | | | 03/26/08 | 79.89 | 78.59 | |
| 5,545.56 | | | | 06/25/08 | 79.89 | 78.59 | |

# Water Levels and Data over Time
## White Mesa Mill - Well MW-26

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,624.15 | 5,625.45 | 1.30 | | | | 121.33 |
| 5,545.82 | | | | 08/26/08 | 79.63 | 78.33 | |
| 5,545.64 | | | | 10/14/08 | 79.81 | 78.51 | |
| 5,544.45 | | | | 03/03/09 | 81.00 | 79.70 | |
| 5,545.32 | | | | 06/24/09 | 80.13 | 78.83 | |
| 5,544.61 | | | | 09/10/09 | 80.84 | 79.54 | |
| 5,549.33 | | | | 12/11/09 | 76.12 | 74.82 | |
| 5,543.78 | | | | 03/11/10 | 81.67 | 80.37 | |
| 5,545.61 | | | | 05/11/10 | 79.84 | 78.54 | |
| 5,547.43 | | | | 09/29/10 | 78.02 | 76.72 | |
| 5,544.14 | | | | 12/21/10 | 81.31 | 80.01 | |
| 5,546.77 | | | | 02/28/11 | 78.68 | 77.38 | |
| 5,537.60 | | | | 06/21/11 | 87.85 | 86.55 | |
| 5,551.46 | | | | 09/20/11 | 73.99 | 72.69 | |
| 5,549.12 | | | | 12/21/11 | 76.33 | 75.03 | |
| 5,557.30 | | | | 03/27/12 | 68.15 | 66.85 | |
| 5,557.38 | | | | 06/28/12 | 68.07 | 66.77 | |
| 5,550.86 | | | | 09/27/12 | 74.59 | 73.29 | |
| 5,557.30 | | | | 12/28/12 | 68.15 | 66.85 | |
| 5,565.37 | | | | 03/28/13 | 60.08 | 58.78 | |
| 5,563.55 | | | | 06/27/13 | 61.90 | 60.60 | |
| 5,560.12 | | | | 09/27/13 | 65.33 | 64.03 | |
| 5,559.27 | | | | 12/20/13 | 66.18 | 64.88 | |
| 5,556.65 | | | | 03/27/14 | 68.80 | 67.50 | |
| 5,552.23 | | | | 06/25/14 | 73.22 | 71.92 | |
| 5,554.05 | | | | 09/25/14 | 71.40 | 70.10 | |
| 5,550.65 | | | | 12/17/14 | 74.80 | 73.50 | |
| 5,557.55 | | | | 03/26/15 | 67.90 | 66.60 | |
| 5,558.51 | | | | 06/22/15 | 66.94 | 65.64 | |
| 5,560.81 | | | | 09/30/15 | 64.64 | 63.34 | |
| 5,560.25 | | | | 12/02/15 | 65.20 | 63.90 | |

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



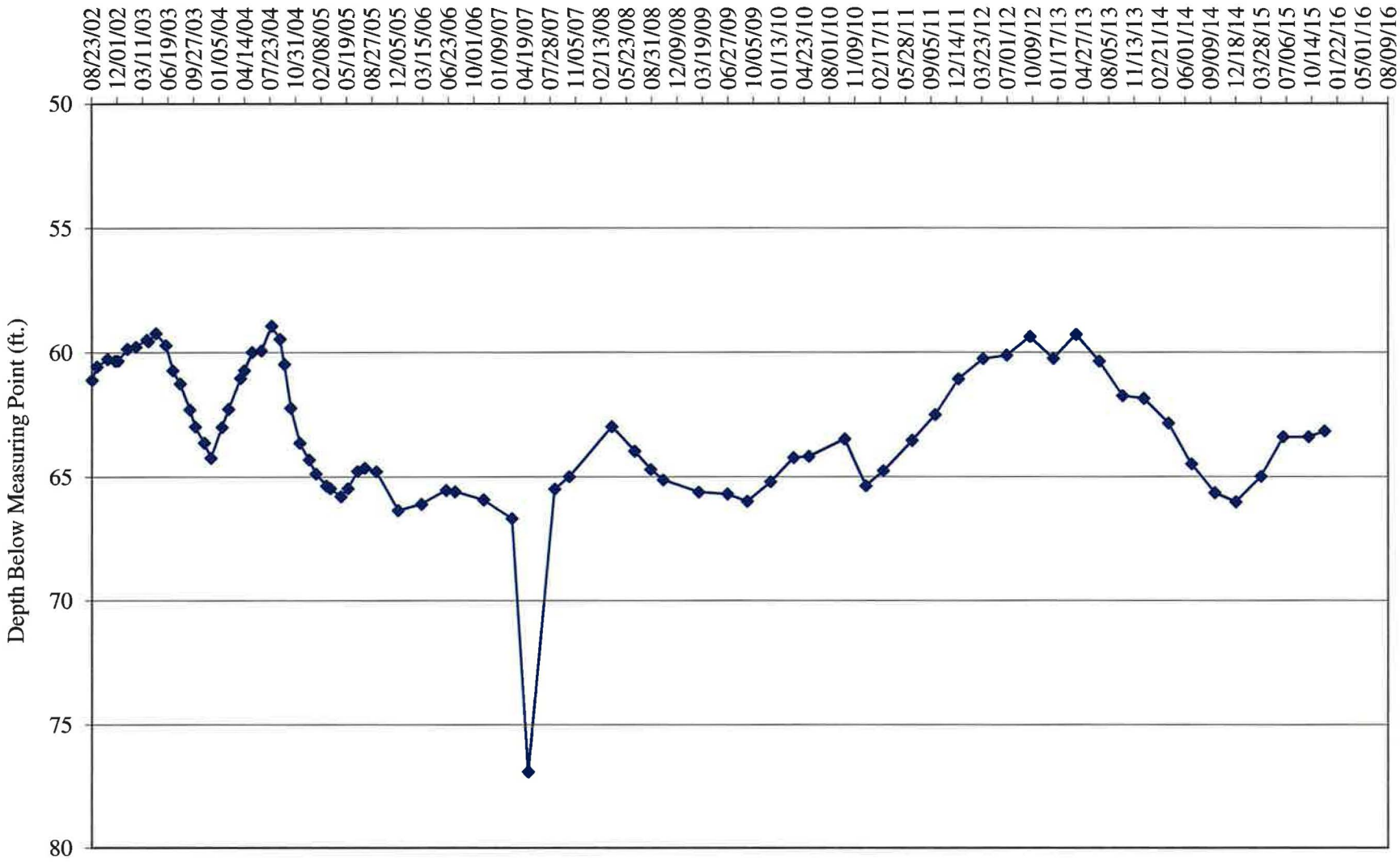
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-16

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,622.19 | 5,624.02 | 1.83 | | | | 142 |
| 5,562.91 | | | | 08/23/02 | 61.11 | 59.28 | |
| 5,563.45 | | | | 09/11/02 | 60.57 | 58.74 | |
| 5,563.75 | | | | 10/23/02 | 60.27 | 58.44 | |
| 5,563.68 | | | | 11/22/02 | 60.34 | 58.51 | |
| 5,563.68 | | | | 12/03/02 | 60.34 | 58.51 | |
| 5,564.16 | | | | 01/09/03 | 59.86 | 58.03 | |
| 5,564.25 | | | | 02/12/03 | 59.77 | 57.94 | |
| 5,564.53 | | | | 03/26/03 | 59.49 | 57.66 | |
| 5,564.46 | | | | 04/02/03 | 59.56 | 57.73 | |
| 5,564.79 | | | | 05/01/03 | 59.23 | 57.40 | |
| 5,564.31 | | | | 06/09/03 | 59.71 | 57.88 | |
| 5,563.29 | | | | 07/07/03 | 60.73 | 58.90 | |
| 5,562.76 | | | | 08/04/03 | 61.26 | 59.43 | |
| 5,561.73 | | | | 09/11/03 | 62.29 | 60.46 | |
| 5,561.04 | | | | 10/02/03 | 62.98 | 61.15 | |
| 5,560.39 | | | | 11/07/03 | 63.63 | 61.80 | |
| 5,559.79 | | | | 12/03/03 | 64.23 | 62.40 | |
| 5,561.02 | | | | 01/15/04 | 63.00 | 61.17 | |
| 5,561.75 | | | | 02/10/04 | 62.27 | 60.44 | |
| 5,562.98 | | | | 03/28/04 | 61.04 | 59.21 | |
| 5,563.29 | | | | 04/12/04 | 60.73 | 58.90 | |
| 5,564.03 | | | | 05/13/04 | 59.99 | 58.16 | |
| 5,564.09 | | | | 06/18/04 | 59.93 | 58.10 | |
| 5,565.08 | | | | 07/28/04 | 58.94 | 57.11 | |
| 5,564.56 | | | | 08/30/04 | 59.46 | 57.63 | |
| 5,563.55 | | | | 09/16/04 | 60.47 | 58.64 | |
| 5,561.79 | | | | 10/11/04 | 62.23 | 60.40 | |
| 5,560.38 | | | | 11/16/04 | 63.64 | 61.81 | |
| 5,559.71 | | | | 12/22/04 | 64.31 | 62.48 | |
| 5,559.14 | | | | 01/18/05 | 64.88 | 63.05 | |
| 5,558.65 | | | | 02/28/05 | 65.37 | 63.54 | |
| 5,558.54 | | | | 03/15/05 | 65.48 | 63.65 | |
| 5,558.22 | | | | 04/26/05 | 65.80 | 63.97 | |
| 5,558.54 | | | | 05/24/05 | 65.48 | 63.65 | |
| 5,559.24 | | | | 06/30/05 | 64.78 | 62.95 | |
| 5,559.38 | | | | 07/29/05 | 64.64 | 62.81 | |
| 5,559.23 | | | | 09/12/05 | 64.79 | 62.96 | |
| 5,557.67 | | | | 12/07/05 | 66.35 | 64.52 | |
| 5,557.92 | | | | 03/08/06 | 66.10 | 64.27 | |
| 5,558.47 | | | | 06/13/06 | 65.55 | 63.72 | |
| 5,558.42 | | | | 07/18/06 | 65.60 | 63.77 | |
| 5,558.09 | | | | 11/07/06 | 65.93 | 64.10 | |
| 5557.34 | | | | 02/27/07 | 66.68 | 64.85 | |

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-16

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,622.19 | 5,624.02 | 1.83 | | | | 142 |
| 5,547.11 | | | | 05/02/07 | 76.91 | 75.08 | |
| 5,558.52 | | | | 08/14/07 | 65.50 | 63.67 | |
| 5,559.02 | | | | 10/10/07 | 65.00 | 63.17 | |
| 5,561.04 | | | | 03/26/08 | 62.98 | 61.15 | |
| 5,560.06 | | | | 06/24/08 | 63.96 | 62.13 | |
| 5,559.32 | | | | 08/26/08 | 64.70 | 62.87 | |
| 5,558.89 | | | | 10/14/08 | 65.13 | 63.30 | |
| 5,558.40 | | | | 03/03/09 | 65.62 | 63.79 | |
| 5,558.32 | | | | 06/24/09 | 65.70 | 63.87 | |
| 5,558.03 | | | | 09/10/09 | 65.99 | 64.16 | |
| 5,558.81 | | | | 12/11/09 | 65.21 | 63.38 | |
| 5,559.80 | | | | 03/11/10 | 64.22 | 62.39 | |
| 5,559.85 | | | | 05/11/10 | 64.17 | 62.34 | |
| 5,560.54 | | | | 09/29/10 | 63.48 | 61.65 | |
| 5,558.65 | | | | 12/21/10 | 65.37 | 63.54 | |
| 5,559.26 | | | | 02/28/11 | 64.76 | 62.93 | |
| 5,560.48 | | | | 06/21/11 | 63.54 | 61.71 | |
| 5,561.52 | | | | 09/20/11 | 62.50 | 60.67 | |
| 5,562.95 | | | | 12/21/11 | 61.07 | 59.24 | |
| 5,563.76 | | | | 03/27/12 | 60.26 | 58.43 | |
| 5,563.90 | | | | 06/28/12 | 60.12 | 58.29 | |
| 5,564.65 | | | | 09/27/12 | 59.37 | 57.54 | |
| 5,563.77 | | | | 12/28/12 | 60.25 | 58.42 | |
| 5,564.74 | | | | 03/28/13 | 59.28 | 57.45 | |
| 5,563.66 | | | | 06/27/13 | 60.36 | 58.53 | |
| 5,562.27 | | | | 09/27/13 | 61.75 | 59.92 | |
| 5,562.17 | | | | 12/20/13 | 61.85 | 60.02 | |
| 5,561.17 | | | | 03/27/14 | 62.85 | 61.02 | |
| 5,559.53 | | | | 06/25/14 | 64.49 | 62.66 | |
| 5,558.36 | | | | 09/25/14 | 65.66 | 63.83 | |
| 5,558.00 | | | | 12/17/14 | 66.02 | 64.19 | |
| 5,559.02 | | | | 03/26/15 | 65.00 | 63.17 | |
| 5,560.62 | | | | 06/22/15 | 63.40 | 61.57 | |
| 5,560.62 | | | | 09/30/15 | 63.40 | 61.57 | |
| 5,560.85 | | | | 12/02/15 | 63.17 | 61.34 | |

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



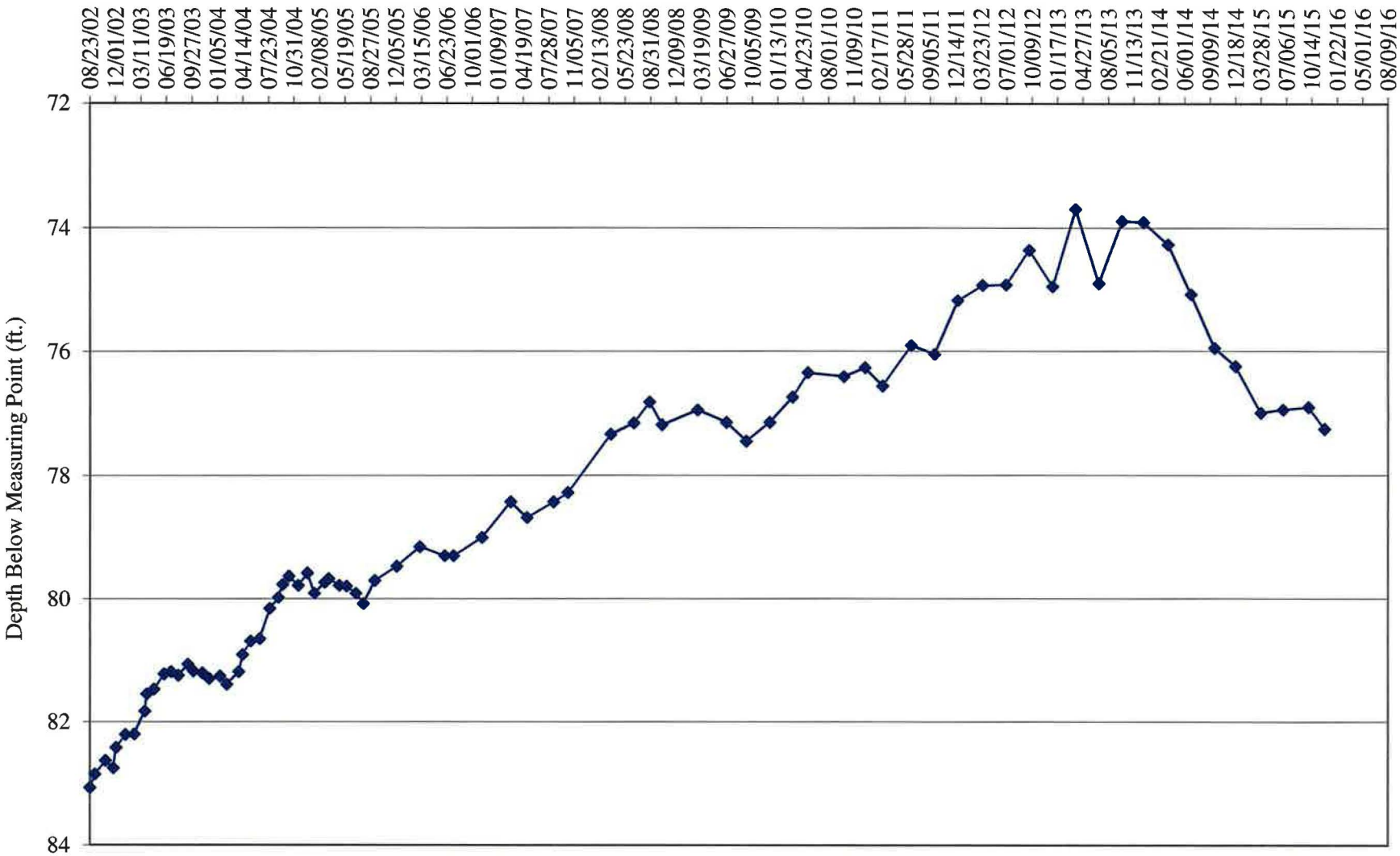
# Water Levels and Data over Time
## White Mesa Mill - Well MW-32

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.41 | 5,625.24 | 1.83 | | | | 130.6 |
| 5,542.17 | | | | 08/23/02 | 83.07 | 81.24 | |
| 5,542.39 | | | | 09/11/02 | 82.85 | 81.02 | |
| 5,542.61 | | | | 10/23/02 | 82.63 | 80.80 | |
| 5,542.49 | | | | 11/22/02 | 82.75 | 80.92 | |
| 5,542.82 | | | | 12/03/02 | 82.42 | 80.59 | |
| 5,543.03 | | | | 01/09/03 | 82.21 | 80.38 | |
| 5,543.04 | | | | 02/12/03 | 82.20 | 80.37 | |
| 5,543.41 | | | | 03/26/03 | 81.83 | 80.00 | |
| 5,543.69 | | | | 04/02/03 | 81.55 | 79.72 | |
| 5,543.77 | | | | 05/01/03 | 81.47 | 79.64 | |
| 5,544.01 | | | | 06/09/03 | 81.23 | 79.40 | |
| 5,544.05 | | | | 07/07/03 | 81.19 | 79.36 | |
| 5,543.99 | | | | 08/04/03 | 81.25 | 79.42 | |
| 5,544.17 | | | | 09/11/03 | 81.07 | 79.24 | |
| 5,544.06 | | | | 10/02/03 | 81.18 | 79.35 | |
| 5,544.03 | | | | 11/07/03 | 81.21 | 79.38 | |
| 5,543.94 | | | | 12/03/03 | 81.30 | 79.47 | |
| 5,543.98 | | | | 01/15/04 | 81.26 | 79.43 | |
| 5,543.85 | | | | 02/10/04 | 81.39 | 79.56 | |
| 5,544.05 | | | | 03/28/04 | 81.19 | 79.36 | |
| 5,544.33 | | | | 04/12/04 | 80.91 | 79.08 | |
| 5,544.55 | | | | 05/13/04 | 80.69 | 78.86 | |
| 5,544.59 | | | | 06/18/04 | 80.65 | 78.82 | |
| 5,545.08 | | | | 07/28/04 | 80.16 | 78.33 | |
| 5,545.26 | | | | 08/30/04 | 79.98 | 78.15 | |
| 5,545.48 | | | | 09/16/04 | 79.76 | 77.93 | |
| 5,545.61 | | | | 10/11/04 | 79.63 | 77.80 | |
| 5,545.46 | | | | 11/16/04 | 79.78 | 77.95 | |
| 5,545.66 | | | | 12/22/04 | 79.58 | 77.75 | |
| 5,545.33 | | | | 01/18/05 | 79.91 | 78.08 | |
| 5,545.51 | | | | 02/28/05 | 79.73 | 77.90 | |
| 5,545.57 | | | | 03/15/05 | 79.67 | 77.84 | |
| 5,545.46 | | | | 04/26/05 | 79.78 | 77.95 | |
| 5,545.45 | | | | 05/24/05 | 79.79 | 77.96 | |
| 5,545.33 | | | | 06/30/05 | 79.91 | 78.08 | |
| 5,545.16 | | | | 07/29/05 | 80.08 | 78.25 | |
| 5,545.54 | | | | 09/12/05 | 79.70 | 77.87 | |
| 5,545.77 | | | | 12/07/05 | 79.47 | 77.64 | |
| 5,546.09 | | | | 03/08/06 | 79.15 | 77.32 | |
| 5,545.94 | | | | 06/13/06 | 79.30 | 77.47 | |
| 5,545.94 | | | | 07/18/06 | 79.30 | 77.47 | |
| 5,546.24 | | | | 11/07/06 | 79.00 | 77.17 | |
| 5546.81 | | | | 02/27/07 | 78.43 | 76.6 | |

# Water Levels and Data over Time
# White Mesa Mill - Well MW-32

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,623.41 | 5,625.24 | 1.83 | | | | 130.6 |
| 5546.56 | | | | 05/02/07 | 78.68 | 76.85 | |
| 5546.81 | | | | 08/15/07 | 78.43 | 76.6 | |
| 5546.96 | | | | 10/10/07 | 78.28 | 76.45 | |
| 5547.9 | | | | 03/26/08 | 77.34 | 75.51 | |
| 5548.08 | | | | 06/25/08 | 77.16 | 75.33 | |
| 5548.42 | | | | 08/26/08 | 76.82 | 74.99 | |
| 5548.05 | | | | 10/14/08 | 77.19 | 75.36 | |
| 5548.29 | | | | 03/03/09 | 76.95 | 75.12 | |
| 5548.09 | | | | 06/24/09 | 77.15 | 75.32 | |
| 5547.79 | | | | 09/10/09 | 77.45 | 75.62 | |
| 5548.09 | | | | 12/11/09 | 77.15 | 75.32 | |
| 5,548.50 | | | | 03/11/10 | 76.74 | 74.91 | |
| 5,548.89 | | | | 05/11/10 | 76.35 | 74.52 | |
| 5,548.83 | | | | 09/29/10 | 76.41 | 74.58 | |
| 5,548.97 | | | | 12/21/10 | 76.27 | 74.44 | |
| 5,548.68 | | | | 02/28/11 | 76.56 | 74.73 | |
| 5,549.33 | | | | 06/21/11 | 75.91 | 74.08 | |
| 5,549.19 | | | | 09/20/11 | 76.05 | 74.22 | |
| 5,550.06 | | | | 12/21/11 | 75.18 | 73.35 | |
| 5,550.31 | | | | 03/27/12 | 74.93 | 73.10 | |
| 5,550.32 | | | | 06/28/12 | 74.92 | 73.09 | |
| 5,550.88 | | | | 09/27/12 | 74.36 | 72.53 | |
| 5,550.29 | | | | 12/28/12 | 74.95 | 73.12 | |
| 5,551.54 | | | | 03/28/13 | 73.70 | 71.87 | |
| 5,550.34 | | | | 06/27/13 | 74.90 | 73.07 | |
| 5,551.35 | | | | 09/27/13 | 73.89 | 72.06 | |
| 5,551.33 | | | | 12/20/13 | 73.91 | 72.08 | |
| 5,550.97 | | | | 03/27/14 | 74.27 | 72.44 | |
| 5,550.16 | | | | 06/25/14 | 75.08 | 73.25 | |
| 5,549.29 | | | | 09/25/14 | 75.95 | 74.12 | |
| 5,548.99 | | | | 12/17/14 | 76.25 | 74.42 | |
| 5,548.24 | | | | 03/26/15 | 77.00 | 75.17 | |
| 5,548.29 | | | | 06/22/15 | 76.95 | 75.12 | |
| 5,548.33 | | | | 09/30/15 | 76.91 | 75.08 | |
| 5,547.98 | | | | 12/02/15 | 77.26 | 75.43 | |

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



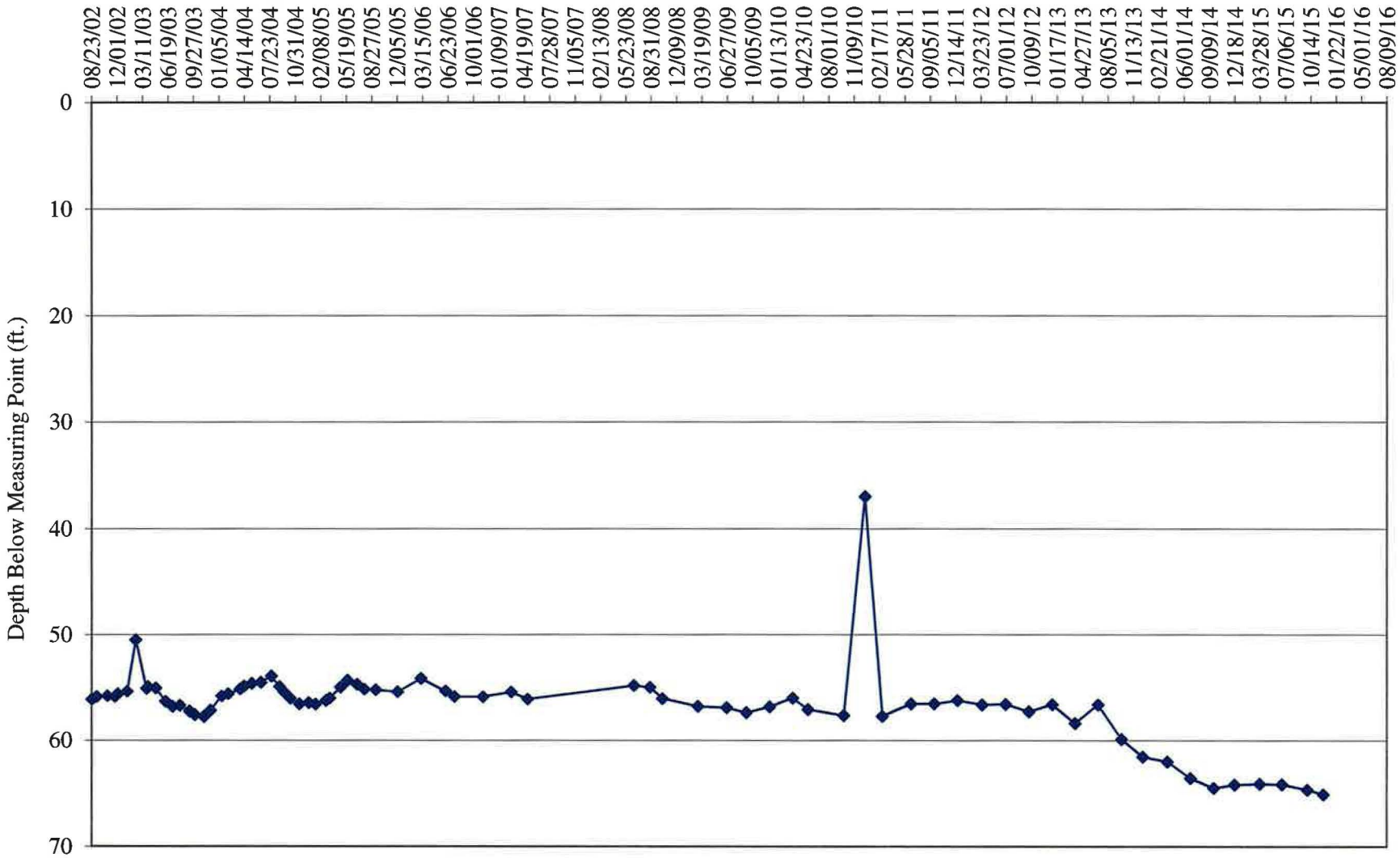
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-18

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,639.13 | 5,641.28 | 2.15 | | | | 137.5 |
| 5,585.13 | | | | 08/23/02 | 56.15 | 54.00 | |
| 5,585.41 | | | | 09/11/02 | 55.87 | 53.72 | |
| 5,585.47 | | | | 10/23/02 | 55.81 | 53.66 | |
| 5,585.40 | | | | 11/22/02 | 55.88 | 53.73 | |
| 5,585.68 | | | | 12/03/02 | 55.60 | 53.45 | |
| 5,585.90 | | | | 01/09/03 | 55.38 | 53.23 | |
| 5,590.79 | | | | 02/12/03 | 50.49 | 48.34 | |
| 5,586.18 | | | | 03/26/03 | 55.10 | 52.95 | |
| 5,586.36 | | | | 04/02/03 | 54.92 | 52.77 | |
| 5,586.24 | | | | 05/01/03 | 55.04 | 52.89 | |
| 5,584.93 | | | | 06/09/03 | 56.35 | 54.20 | |
| 5,584.46 | | | | 07/07/03 | 56.82 | 54.67 | |
| 5,584.55 | | | | 08/04/03 | 56.73 | 54.58 | |
| 5,584.01 | | | | 09/11/03 | 57.27 | 55.12 | |
| 5,583.67 | | | | 10/02/03 | 57.61 | 55.46 | |
| 5,583.50 | | | | 11/07/03 | 57.78 | 55.63 | |
| 5,584.08 | | | | 12/03/03 | 57.20 | 55.05 | |
| 5,585.45 | | | | 01/15/04 | 55.83 | 53.68 | |
| 5,585.66 | | | | 02/10/04 | 55.62 | 53.47 | |
| 5,586.13 | | | | 03/28/04 | 55.15 | 53.00 | |
| 5,586.39 | | | | 04/12/04 | 54.89 | 52.74 | |
| 5,586.66 | | | | 05/13/04 | 54.62 | 52.47 | |
| 5,586.77 | | | | 06/18/04 | 54.51 | 52.36 | |
| 5,587.35 | | | | 07/28/04 | 53.93 | 51.78 | |
| 5,586.34 | | | | 08/30/04 | 54.94 | 52.79 | |
| 5,585.85 | | | | 09/16/04 | 55.43 | 53.28 | |
| 5,585.22 | | | | 10/11/04 | 56.06 | 53.91 | |
| 5,584.70 | | | | 11/16/04 | 56.58 | 54.43 | |
| 5,584.81 | | | | 12/22/04 | 56.47 | 54.32 | |
| 5,584.68 | | | | 01/18/05 | 56.60 | 54.45 | |
| 5,585.02 | | | | 02/28/05 | 56.26 | 54.11 | |
| 5,585.25 | | | | 03/15/05 | 56.03 | 53.88 | |
| 5,586.31 | | | | 04/26/05 | 54.97 | 52.82 | |
| 5,586.97 | | | | 05/24/05 | 54.31 | 52.16 | |
| 5,586.58 | | | | 06/30/05 | 54.70 | 52.55 | |
| 5,586.10 | | | | 07/29/05 | 55.18 | 53.03 | |
| 5,586.05 | | | | 09/12/05 | 55.23 | 53.08 | |
| 5,585.86 | | | | 12/07/05 | 55.42 | 53.27 | |
| 5,587.13 | | | | 03/08/06 | 54.15 | 52.00 | |
| 5,585.93 | | | | 06/13/06 | 55.35 | 53.20 | |
| 5,585.40 | | | | 07/18/06 | 55.88 | 53.73 | |
| 5,585.38 | | | | 11/07/06 | 55.90 | 53.75 | |
| 5585.83 | | | | 02/27/07 | 55.45 | 53.30 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-18

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,639.13 | 5,641.28 | 2.15 | | | | 137.5 |
| 5585.15 | | | | 05/02/07 | 56.13 | 53.98 | |
| 5586.47 | | | | 06/24/08 | 54.81 | 52.66 | |
| 5586.3 | | | | 08/26/08 | 54.98 | 52.83 | |
| 5585.21 | | | | 10/14/08 | 56.07 | 53.92 | |
| 5584.47 | | | | 03/03/09 | 56.81 | 54.66 | |
| 5584.35 | | | | 06/24/09 | 56.93 | 54.78 | |
| 5583.88 | | | | 09/10/09 | 57.4 | 55.25 | |
| 5584.43 | | | | 12/11/09 | 56.85 | 54.70 | |
| 5,585.26 | | | | 03/11/10 | 56.02 | 53.87 | |
| 5,584.17 | | | | 05/11/10 | 57.11 | 54.96 | |
| 5,583.61 | | | | 09/29/10 | 57.67 | 55.52 | |
| 5,604.29 | | | | 12/21/10 | 36.99 | 34.84 | |
| 5,583.56 | | | | 02/28/11 | 57.72 | 55.57 | |
| 5,584.73 | | | | 06/21/11 | 56.55 | 54.40 | |
| 5,584.71 | | | | 09/20/11 | 56.57 | 54.42 | |
| 5,585.03 | | | | 12/21/11 | 56.25 | 54.10 | |
| 5,584.63 | | | | 03/27/12 | 56.65 | 54.50 | |
| 5,584.67 | | | | 06/28/12 | 56.61 | 54.46 | |
| 5,583.98 | | | | 09/27/12 | 57.30 | 55.15 | |
| 5,584.65 | | | | 12/28/12 | 56.63 | 54.48 | |
| 5,582.88 | | | | 03/28/13 | 58.40 | 56.25 | |
| 5,584.63 | | | | 06/27/13 | 56.65 | 54.50 | |
| 5,581.38 | | | | 09/27/13 | 59.90 | 57.75 | |
| 5,579.71 | | | | 12/20/13 | 61.57 | 59.42 | |
| 5,579.26 | | | | 03/27/14 | 62.02 | 59.87 | |
| 5,577.73 | | | | 06/25/14 | 63.55 | 61.40 | |
| 5,576.79 | | | | 09/25/14 | 64.49 | 62.34 | |
| 5,577.11 | | | | 12/17/14 | 64.17 | 62.02 | |
| 5,577.18 | | | | 03/26/15 | 64.10 | 61.95 | |
| 5,577.13 | | | | 06/22/15 | 64.15 | 62.00 | |
| 5,576.63 | | | | 09/30/15 | 64.65 | 62.50 | |
| 5,576.20 | | | | 12/02/15 | 65.08 | 62.93 | |

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



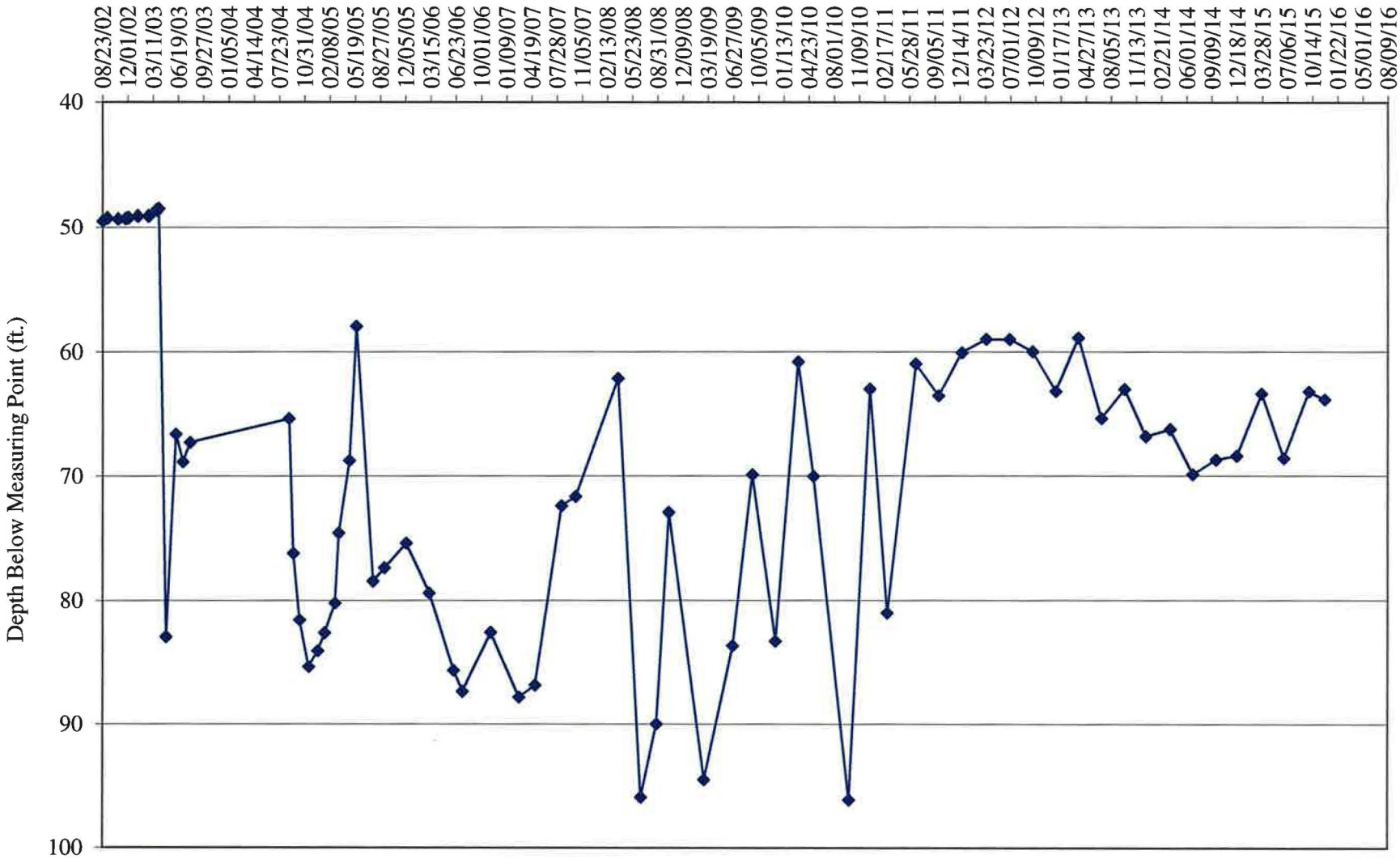
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-19

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,629.53 | 5,631.39 | 1.86 | | | | 121.33 |
| 5,581.88 | | | | 08/23/02 | 49.51 | 47.65 | |
| 5,582.14 | | | | 09/11/02 | 49.25 | 47.39 | |
| 5,582.06 | | | | 10/23/02 | 49.33 | 47.47 | |
| 5,582.07 | | | | 11/22/02 | 49.32 | 47.46 | |
| 5,582.16 | | | | 12/03/02 | 49.23 | 47.37 | |
| 5,582.28 | | | | 01/09/03 | 49.11 | 47.25 | |
| 5,582.29 | | | | 02/21/03 | 49.10 | 47.24 | |
| 5,582.74 | | | | 03/26/03 | 48.65 | 46.79 | |
| 5,582.82 | | | | 04/02/03 | 48.57 | 46.71 | |
| 5,548.47 | | | | 05/01/03 | 82.92 | 81.06 | |
| 5,564.76 | | | | 06/09/03 | 66.63 | 64.77 | |
| 5,562.53 | | | | 07/07/03 | 68.86 | 67.00 | |
| 5,564.10 | | | | 08/04/03 | 67.29 | 65.43 | |
| 5,566.01 | | | | 08/30/04 | 65.38 | 63.52 | |
| 5,555.16 | | | | 09/16/04 | 76.23 | 74.37 | |
| 5,549.80 | | | | 10/11/04 | 81.59 | 79.73 | |
| 5,546.04 | | | | 11/16/04 | 85.35 | 83.49 | |
| 5,547.34 | | | | 12/22/04 | 84.05 | 82.19 | |
| 5,548.77 | | | | 01/18/05 | 82.62 | 80.76 | |
| 5,551.18 | | | | 02/28/05 | 80.21 | 78.35 | |
| 5,556.81 | | | | 03/15/05 | 74.58 | 72.72 | |
| 5,562.63 | | | | 04/26/05 | 68.76 | 66.90 | |
| 5,573.42 | | | | 05/24/05 | 57.97 | 56.11 | |
| 5,552.94 | | | | 07/29/05 | 78.45 | 76.59 | |
| 5,554.00 | | | | 09/12/05 | 77.39 | 75.53 | |
| 5,555.98 | | | | 12/07/05 | 75.41 | 73.55 | |
| 5,552.00 | | | | 03/08/06 | 79.39 | 77.53 | |
| 5,545.74 | | | | 06/13/06 | 85.65 | 83.79 | |
| 5,544.06 | | | | 07/18/06 | 87.33 | 85.47 | |
| 5,548.81 | | | | 11/07/06 | 82.58 | 80.72 | |
| 5543.59 | | | | 02/27/07 | 87.80 | 85.94 | |
| 5544.55 | | | | 05/02/07 | 86.84 | 84.98 | |
| 5558.97 | | | | 08/15/07 | 72.42 | 70.56 | |
| 5559.73 | | | | 10/10/07 | 71.66 | 69.8 | |
| 5569.26 | | | | 03/26/08 | 62.13 | 60.27 | |
| 5535.47 | | | | 06/25/08 | 95.92 | 94.06 | |
| 5541.41 | | | | 08/26/08 | 89.98 | 88.12 | |
| 5558.45 | | | | 10/14/08 | 72.94 | 71.08 | |
| 5536.9 | | | | 03/03/09 | 94.49 | 92.63 | |
| 5547.76 | | | | 06/24/09 | 83.63 | 81.77 | |
| 5561.48 | | | | 09/10/09 | 69.91 | 68.05 | |
| 5548.14 | | | | 12/11/09 | 83.25 | 81.39 | |
| 5,570.58 | | | | 03/11/10 | 60.81 | 58.95 | |

# Water Levels and Data over Time
# White Mesa Mill - Well TW4-19

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,629.53 | 5,631.39 | 1.86 | | | | 121.33 |
| 5,561.35 | | | | 05/11/10 | 70.04 | 68.18 | |
| 5,535.26 | | | | 09/29/10 | 96.13 | 94.27 | |
| 5,568.40 | | | | 12/21/10 | 62.99 | 61.13 | |
| 5,550.36 | | | | 02/28/11 | 81.03 | 79.17 | |
| 5,570.41 | | | | 06/21/11 | 60.98 | 59.12 | |
| 5,567.84 | | | | 09/20/11 | 63.55 | 61.69 | |
| 5,571.32 | | | | 12/21/11 | 60.07 | 58.21 | |
| 5,572.40 | | | | 03/27/12 | 58.99 | 57.13 | |
| 5,572.39 | | | | 06/28/12 | 59.00 | 57.14 | |
| 5,571.40 | | | | 09/27/12 | 59.99 | 58.13 | |
| 5,568.21 | | | | 12/28/12 | 63.18 | 61.32 | |
| 5,572.51 | | | | 03/28/13 | 58.88 | 57.02 | |
| 5,566.00 | | | | 06/27/13 | 65.39 | 63.53 | |
| 5,568.37 | | | | 09/27/13 | 63.02 | 61.16 | |
| 5,564.55 | | | | 12/20/13 | 66.84 | 64.98 | |
| 5,565.11 | | | | 03/27/14 | 66.28 | 64.42 | |
| 5,561.49 | | | | 06/25/14 | 69.90 | 68.04 | |
| 5,562.67 | | | | 09/25/14 | 68.72 | 66.86 | |
| 5,562.99 | | | | 12/17/14 | 68.40 | 66.54 | |
| 5,567.99 | | | | 03/26/15 | 63.40 | 61.54 | |
| 5,562.79 | | | | 06/22/15 | 68.60 | 66.74 | |
| 5,568.16 | | | | 09/30/15 | 63.23 | 61.37 | |
| 5,567.51 | | | | 12/02/15 | 63.88 | 62.02 | |

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



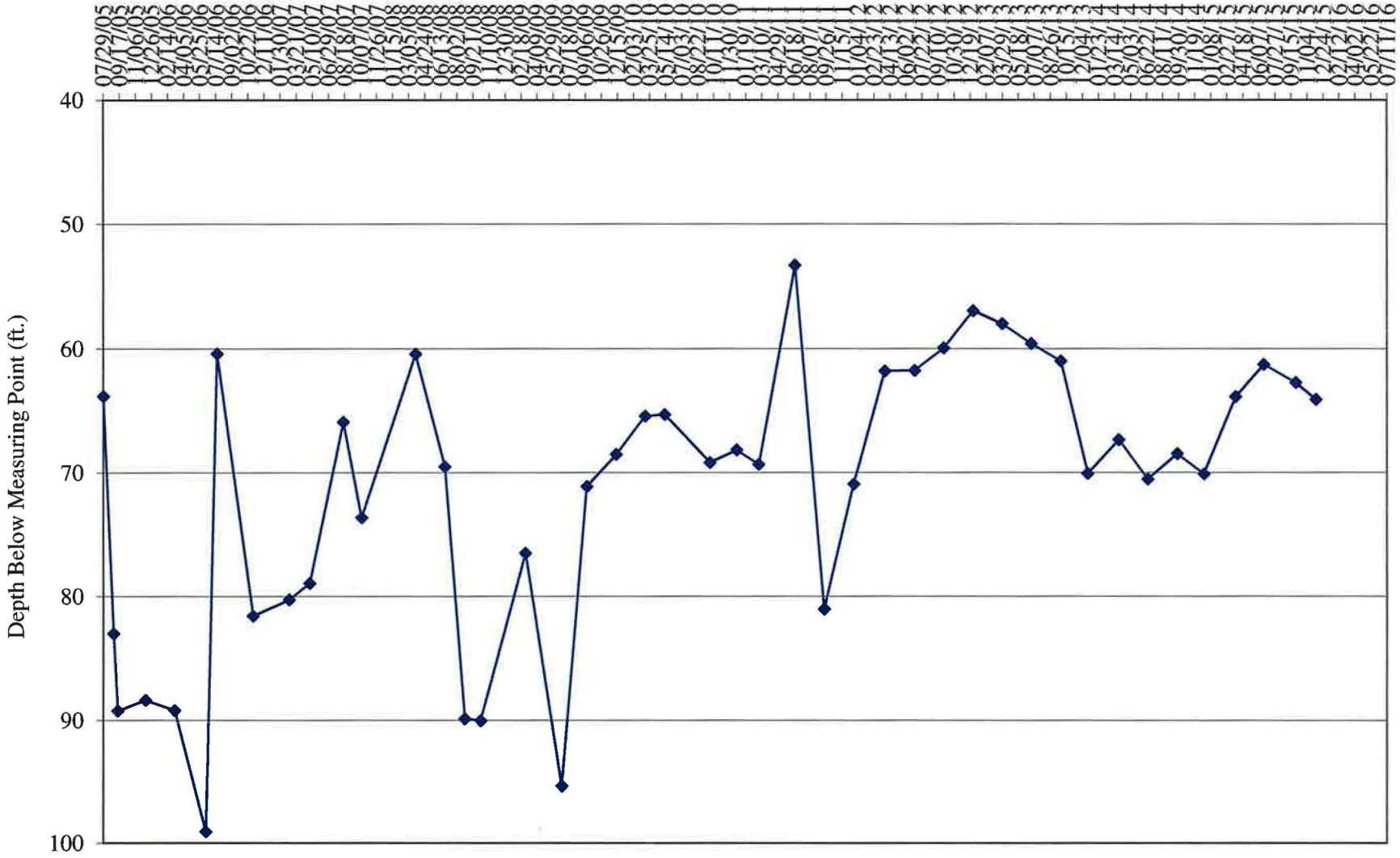
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-20

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,628.52 | 5,629.53 | 1.01 | | | | 106.0 |
| 5,565.70 | | | | 07/29/05 | 63.83 | 62.82 | |
| 5,546.53 | | | | 08/30/05 | 83.00 | 81.99 | |
| 5,540.29 | | | | 09/12/05 | 89.24 | 88.23 | |
| 5,541.17 | | | | 12/07/05 | 88.36 | 87.35 | |
| 5,540.33 | | | | 03/08/06 | 89.20 | 88.19 | |
| 5,530.43 | | | | 06/13/06 | 99.10 | 98.09 | |
| 5,569.13 | | | | 07/18/06 | 60.40 | 59.39 | |
| 5,547.95 | | | | 11/07/06 | 81.58 | 80.57 | |
| 5,549.25 | | | | 02/27/07 | 80.28 | 79.27 | |
| 5,550.58 | | | | 05/02/07 | 78.95 | 77.94 | |
| 5,563.60 | | | | 08/14/07 | 65.93 | 64.92 | |
| 5,555.85 | | | | 10/10/07 | 73.68 | 72.67 | |
| 5,569.10 | | | | 03/26/08 | 60.43 | 59.42 | |
| 5,560.00 | | | | 06/25/08 | 69.53 | 68.52 | |
| 5,539.64 | | | | 08/26/08 | 89.89 | 88.88 | |
| 5,539.51 | | | | 10/14/08 | 90.02 | 89.01 | |
| 5,553.00 | | | | 03/03/09 | 76.53 | 75.52 | |
| 5,534.18 | | | | 06/24/09 | 95.35 | 94.34 | |
| 5,558.39 | | | | 09/10/09 | 71.14 | 70.13 | |
| 5,560.99 | | | | 12/11/09 | 68.54 | 67.53 | |
| 5,564.09 | | | | 03/11/10 | 65.44 | 64.43 | |
| 5,564.22 | | | | 05/11/10 | 65.31 | 64.30 | |
| 5,560.33 | | | | 09/29/10 | 69.20 | 68.19 | |
| 5,561.35 | | | | 12/21/10 | 68.18 | 67.17 | |
| 5,560.18 | | | | 02/28/11 | 69.35 | 68.34 | |
| 5,576.23 | | | | 06/21/11 | 53.30 | 52.29 | |
| 5,548.50 | | | | 09/20/11 | 81.03 | 80.02 | |
| 5,558.58 | | | | 12/21/11 | 70.95 | 69.94 | |
| 5,567.73 | | | | 03/27/12 | 61.80 | 60.79 | |
| 5,567.77 | | | | 06/28/12 | 61.76 | 60.75 | |
| 5,569.58 | | | | 09/27/12 | 59.95 | 58.94 | |
| 5,572.58 | | | | 12/28/12 | 56.95 | 55.94 | |
| 5,571.52 | | | | 03/28/13 | 58.01 | 57.00 | |
| 5,569.93 | | | | 06/27/13 | 59.60 | 58.59 | |
| 5,568.53 | | | | 09/27/13 | 61.00 | 59.99 | |
| 5,559.44 | | | | 12/20/13 | 70.09 | 69.08 | |
| 5,562.17 | | | | 03/27/14 | 67.36 | 66.35 | |
| 5,558.98 | | | | 06/25/14 | 70.55 | 69.54 | |
| 5,561.03 | | | | 09/25/14 | 68.50 | 67.49 | |
| 5,559.39 | | | | 12/17/14 | 70.14 | 69.13 | |
| 5,565.65 | | | | 03/26/15 | 63.88 | 62.87 | |
| 5,568.25 | | | | 06/22/15 | 61.28 | 60.27 | |

# 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 |
| 5,566.78 | | | | 09/30/15 | 62.75 | 61.74 | |
| 5,565.43 | | | | 12/02/15 | 64.10 | 63.09 | |

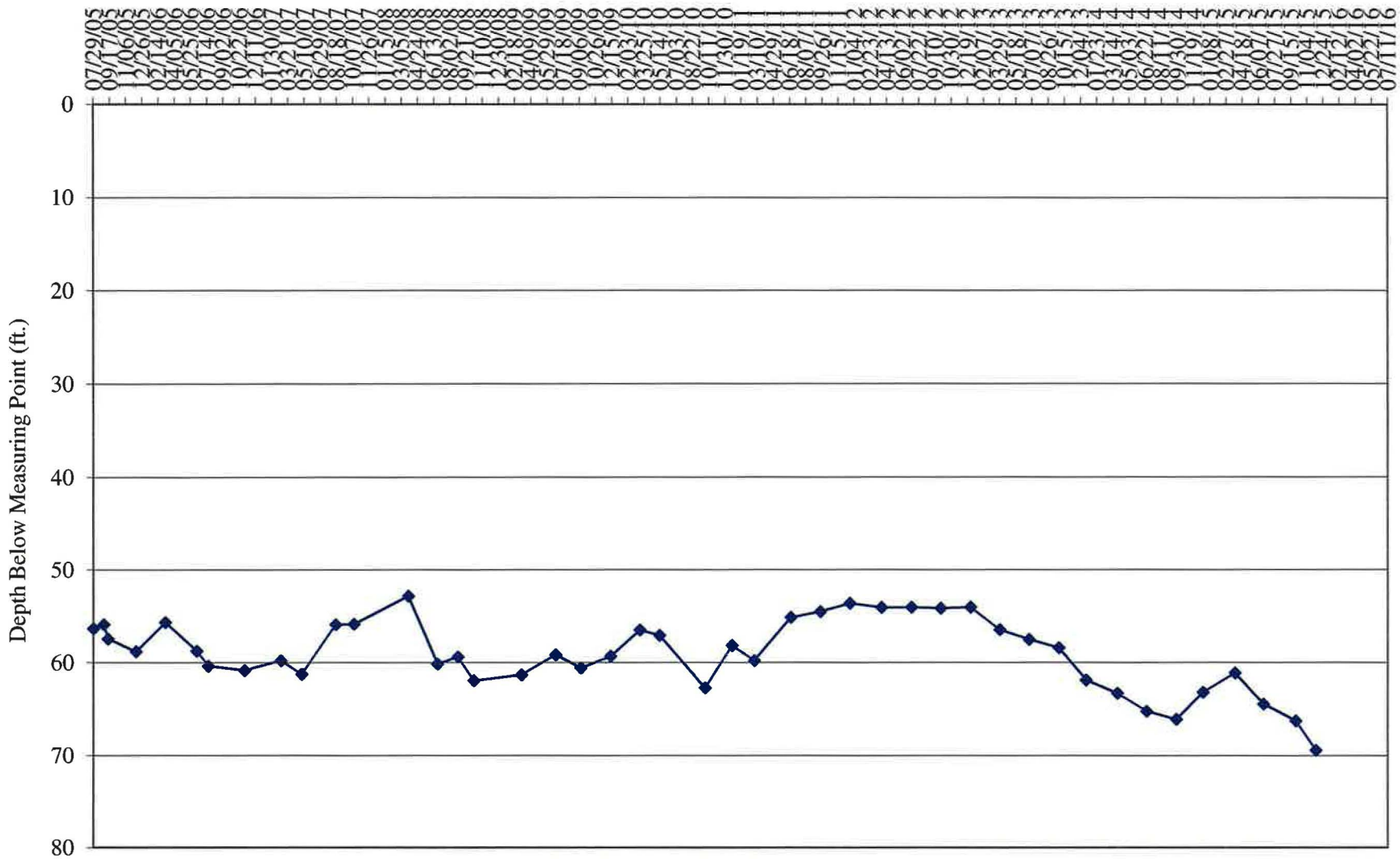
# TW4-20 Water Depth Over Time (ft. blmp)



# Water Levels and Data over Time
## White Mesa Mill - Well TW4-21

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,638.20 | 5,639.35 | 1.15 | | | | 120.92 |
| 5,582.98 | | | | 07/29/05 | 56.37 | 55.22 | |
| 5,583.43 | | | | 08/30/05 | 55.92 | 54.77 | |
| 5,581.87 | | | | 09/12/05 | 57.48 | 56.33 | |
| 5,580.50 | | | | 12/07/05 | 58.85 | 57.70 | |
| 5,583.64 | | | | 03/08/06 | 55.71 | 54.56 | |
| 5,580.55 | | | | 06/13/06 | 58.80 | 57.65 | |
| 5,578.95 | | | | 07/18/06 | 60.40 | 59.25 | |
| 5,578.47 | | | | 11/07/06 | 60.88 | 59.73 | |
| 5,579.53 | | | | 02/27/07 | 59.82 | 58.67 | |
| 5,578.07 | | | | 05/02/07 | 61.28 | 60.13 | |
| 5,583.41 | | | | 08/15/07 | 55.94 | 54.79 | |
| 5,583.45 | | | | 10/10/07 | 55.90 | 54.75 | |
| 5,586.47 | | | | 03/26/08 | 52.88 | 51.73 | |
| 5,579.16 | | | | 06/24/08 | 60.19 | 59.04 | |
| 5,579.92 | | | | 08/26/08 | 59.43 | 58.28 | |
| 5,577.37 | | | | 10/14/08 | 61.98 | 60.83 | |
| 5,578.00 | | | | 03/10/09 | 61.35 | 60.20 | |
| 5,580.14 | | | | 06/24/09 | 59.21 | 58.06 | |
| 5,578.72 | | | | 09/10/09 | 60.63 | 59.48 | |
| 5,579.99 | | | | 12/11/09 | 59.36 | 58.21 | |
| 5,582.81 | | | | 03/11/10 | 56.54 | 55.39 | |
| 5,582.23 | | | | 05/11/10 | 57.12 | 55.97 | |
| 5,576.60 | | | | 09/29/10 | 62.75 | 61.60 | |
| 5,581.14 | | | | 12/21/10 | 58.21 | 57.06 | |
| 5,579.53 | | | | 02/28/11 | 59.82 | 58.67 | |
| 5,584.17 | | | | 06/21/11 | 55.18 | 54.03 | |
| 5,584.80 | | | | 09/20/11 | 54.55 | 53.40 | |
| 5,585.68 | | | | 12/21/11 | 53.67 | 52.52 | |
| 5,585.24 | | | | 03/27/12 | 54.11 | 52.96 | |
| 5,585.26 | | | | 06/28/12 | 54.09 | 52.94 | |
| 5,585.16 | | | | 09/27/12 | 54.19 | 53.04 | |
| 5,585.25 | | | | 12/28/12 | 54.10 | 52.95 | |
| 5,582.84 | | | | 03/28/13 | 56.51 | 55.36 | |
| 5,581.79 | | | | 06/27/13 | 57.56 | 56.41 | |
| 5,580.89 | | | | 09/27/13 | 58.46 | 57.31 | |
| 5,577.45 | | | | 12/20/13 | 61.90 | 60.75 | |
| 5,576.01 | | | | 03/27/14 | 63.34 | 62.19 | |
| 5,574.08 | | | | 06/25/14 | 65.27 | 64.12 | |
| 5,573.20 | | | | 09/25/14 | 66.15 | 65.00 | |
| 5,576.13 | | | | 12/17/14 | 63.22 | 62.07 | |
| 5,578.19 | | | | 03/26/15 | 61.16 | 60.01 | |
| 5,574.85 | | | | 06/22/15 | 64.50 | 63.35 | |

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



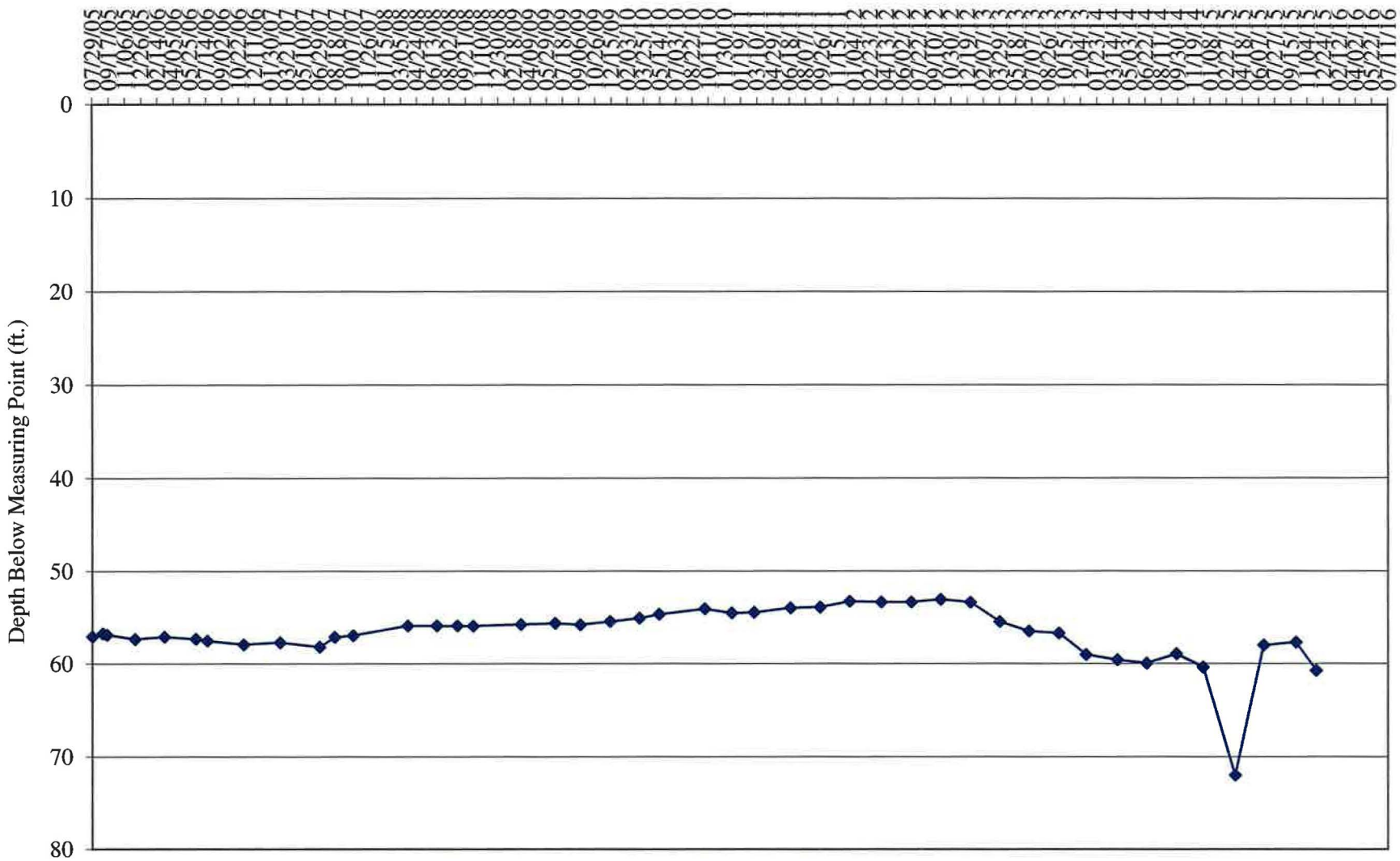
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-22

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,627.83 | 5,629.00 | 1.17 | | | | 113.5 |
| 5,571.89 | | | | 07/29/05 | 57.11 | 55.94 | |
| 5,572.20 | | | | 08/30/05 | 56.80 | 55.63 | |
| 5,572.08 | | | | 09/12/05 | 56.92 | 55.75 | |
| 5,571.61 | | | | 12/07/05 | 57.39 | 56.22 | |
| 5,571.85 | | | | 03/08/06 | 57.15 | 55.98 | |
| 5,571.62 | | | | 06/13/06 | 57.38 | 56.21 | |
| 5,571.42 | | | | 07/18/06 | 57.58 | 56.41 | |
| 5,571.02 | | | | 11/07/06 | 57.98 | 56.81 | |
| 5571.24 | | | | 02/27/07 | 57.76 | 56.59 | |
| 5,570.75 | | | | 06/29/07 | 58.25 | 57.08 | |
| 5,571.82 | | | | 08/14/07 | 57.18 | 56.01 | |
| 5,571.99 | | | | 10/10/07 | 57.01 | 55.84 | |
| 5,573.05 | | | | 03/26/08 | 55.95 | 54.78 | |
| 5,573.04 | | | | 06/24/08 | 55.96 | 54.79 | |
| 5,573.04 | | | | 08/26/08 | 55.96 | 54.79 | |
| 5,573.02 | | | | 10/14/08 | 55.98 | 54.81 | |
| 5,573.19 | | | | 03/10/09 | 55.81 | 54.64 | |
| 5,573.32 | | | | 06/24/09 | 55.68 | 54.51 | |
| 5,573.17 | | | | 09/10/09 | 55.83 | 54.66 | |
| 5,573.52 | | | | 12/11/09 | 55.48 | 54.31 | |
| 5,573.88 | | | | 03/11/10 | 55.12 | 53.95 | |
| 5,574.29 | | | | 05/11/10 | 54.71 | 53.54 | |
| 5,574.88 | | | | 09/29/10 | 54.12 | 52.95 | |
| 5,574.44 | | | | 12/21/10 | 54.56 | 53.39 | |
| 5,574.49 | | | | 02/28/11 | 54.51 | 53.34 | |
| 5,574.97 | | | | 06/21/11 | 54.03 | 52.86 | |
| 5,575.06 | | | | 09/20/11 | 53.94 | 52.77 | |
| 5,575.69 | | | | 12/21/11 | 53.31 | 52.14 | |
| 5,575.61 | | | | 03/27/12 | 53.39 | 52.22 | |
| 5,575.62 | | | | 06/28/12 | 53.38 | 52.21 | |
| 5,575.90 | | | | 09/27/12 | 53.10 | 51.93 | |
| 5,575.59 | | | | 12/28/12 | 53.41 | 52.24 | |
| 5,573.50 | | | | 03/28/13 | 55.50 | 54.33 | |
| 5,572.45 | | | | 06/27/13 | 56.55 | 55.38 | |
| 5,572.25 | | | | 09/27/13 | 56.75 | 55.58 | |
| 5,569.93 | | | | 12/20/13 | 59.07 | 57.90 | |
| 5,569.36 | | | | 03/27/14 | 59.64 | 58.47 | |
| 5,569.02 | | | | 06/25/14 | 59.98 | 58.81 | |
| 5,570.00 | | | | 09/25/14 | 59.00 | 57.83 | |
| 5,568.60 | | | | 12/17/14 | 60.40 | 59.23 | |
| 5,557.00 | | | | 03/26/15 | 72.00 | 70.83 | |
| 5,570.93 | | | | 06/22/15 | 58.07 | 56.90 | |

## 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 |
| 5,571.24 | | | | 09/30/15 | 57.76 | 56.59 | |
| 5,568.23 | | | | 12/02/15 | 60.77 | 59.60 | |

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



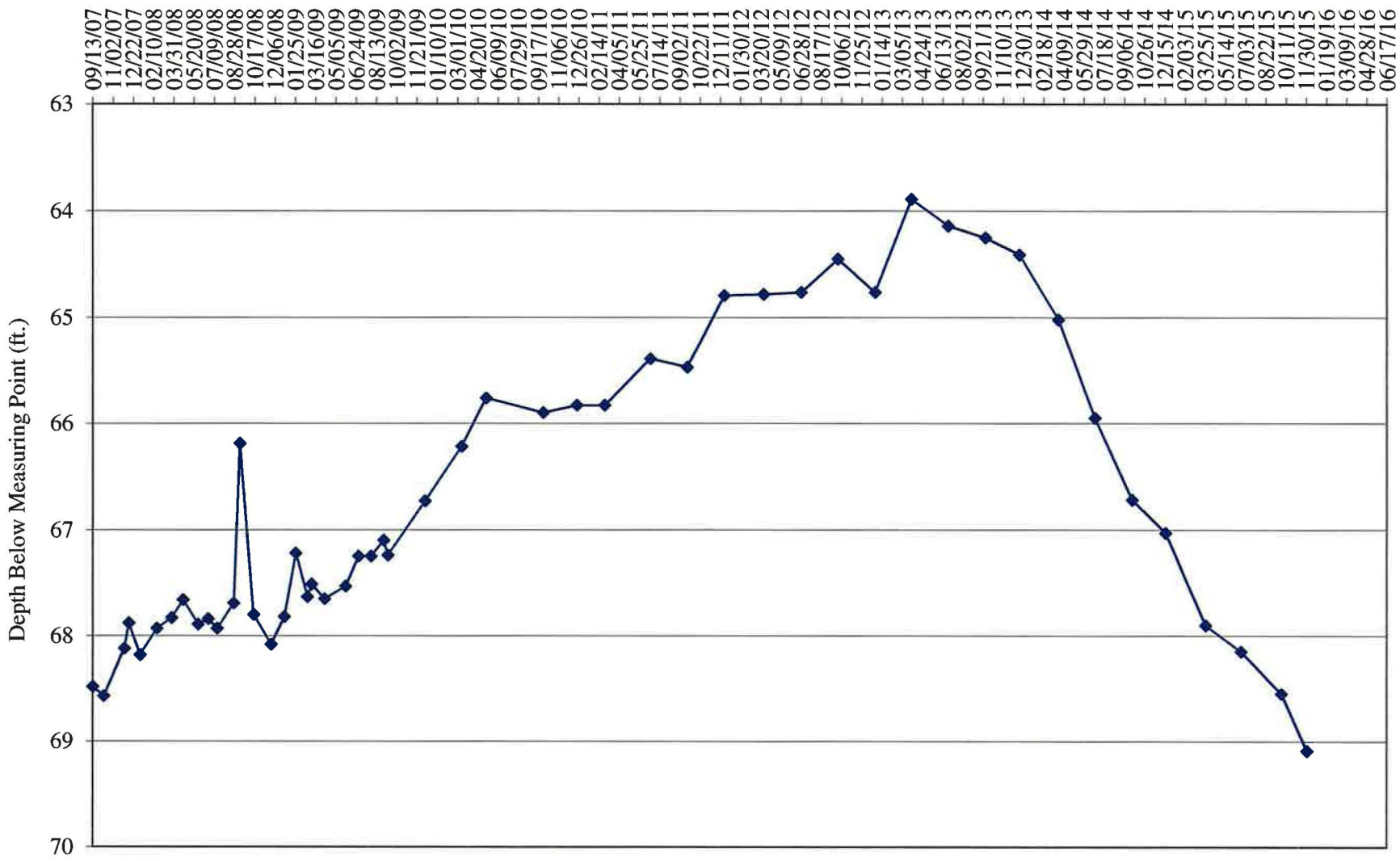
# Water Levels and Data over Time
## White Mesa Mill - Well TW4-23

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,605.77 | 5,607.37 | 1.60 | | | | 113.5 |
| 5,538.89 | | | | 09/13/07 | 68.48 | 66.88 | |
| 5,538.80 | | | | 10/10/07 | 68.57 | 66.97 | |
| 5,539.25 | | | | 11/30/07 | 68.12 | 66.52 | |
| 5,539.49 | | | | 12/11/07 | 67.88 | 66.28 | |
| 5,539.19 | | | | 01/08/08 | 68.18 | 66.58 | |
| 5,539.44 | | | | 02/18/08 | 67.93 | 66.33 | |
| 5,539.54 | | | | 03/26/08 | 67.83 | 66.23 | |
| 5,539.71 | | | | 04/23/08 | 67.66 | 66.06 | |
| 5539.48 | | | | 05/30/08 | 67.89 | 66.29 | |
| 5,539.53 | | | | 06/24/08 | 67.84 | 66.24 | |
| 5,539.44 | | | | 07/16/08 | 67.93 | 66.33 | |
| 5,539.68 | | | | 08/26/08 | 67.69 | 66.09 | |
| 5,541.18 | | | | 09/10/08 | 66.19 | 64.59 | |
| 5,539.57 | | | | 10/14/08 | 67.80 | 66.20 | |
| 5,539.29 | | | | 11/26/08 | 68.08 | 66.48 | |
| 5,539.55 | | | | 12/29/08 | 67.82 | 66.22 | |
| 5,540.15 | | | | 01/26/09 | 67.22 | 65.62 | |
| 5,539.74 | | | | 02/24/09 | 67.63 | 66.03 | |
| 5,539.86 | | | | 03/06/09 | 67.51 | 65.91 | |
| 5,539.72 | | | | 04/07/09 | 67.65 | 66.05 | |
| 5,539.84 | | | | 05/29/09 | 67.53 | 65.93 | |
| 5,540.12 | | | | 06/30/09 | 67.25 | 65.65 | |
| 5,540.12 | | | | 07/31/09 | 67.25 | 65.65 | |
| 5,540.27 | | | | 08/31/09 | 67.10 | 65.50 | |
| 5,540.13 | | | | 09/10/09 | 67.24 | 65.64 | |
| 5,540.64 | | | | 12/11/09 | 66.73 | 65.13 | |
| 5,541.15 | | | | 03/11/10 | 66.22 | 64.62 | |
| 5,541.61 | | | | 05/11/10 | 65.76 | 64.16 | |
| 5,541.47 | | | | 09/29/10 | 65.90 | 64.30 | |
| 5,541.54 | | | | 12/21/10 | 65.83 | 64.23 | |
| 5,541.54 | | | | 02/28/11 | 65.83 | 64.23 | |
| 5,541.98 | | | | 06/21/11 | 65.39 | 63.79 | |
| 5,541.90 | | | | 09/20/11 | 65.47 | 63.87 | |
| 5,542.58 | | | | 12/21/11 | 64.79 | 63.19 | |
| 5,542.59 | | | | 03/27/12 | 64.78 | 63.18 | |
| 5,542.61 | | | | 06/28/12 | 64.76 | 63.16 | |
| 5,542.92 | | | | 09/27/12 | 64.45 | 62.85 | |
| 5,542.61 | | | | 12/28/12 | 64.76 | 63.16 | |
| 5,543.48 | | | | 03/28/13 | 63.89 | 62.29 | |
| 5,543.23 | | | | 06/27/13 | 64.14 | 62.54 | |
| 5,543.12 | | | | 09/27/13 | 64.25 | 62.65 | |
| 5,542.96 | | | | 12/20/13 | 64.41 | 62.81 | |

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-23

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,605.77 | 5,607.37 | 1.60 | | | | 113.5 |
| 5,542.35 | | | | 03/27/14 | 65.02 | 63.42 | |
| 5,541.42 | | | | 06/25/14 | 65.95 | 64.35 | |
| 5,540.65 | | | | 09/25/14 | 66.72 | 65.12 | |
| 5,540.34 | | | | 12/17/14 | 67.03 | 65.43 | |
| 5,539.47 | | | | 03/26/15 | 67.90 | 66.30 | |
| 5,539.22 | | | | 06/22/15 | 68.15 | 66.55 | |
| 5,538.82 | | | | 09/30/15 | 68.55 | 66.95 | |
| 5,538.28 | | | | 12/02/15 | 69.09 | 67.49 | |

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



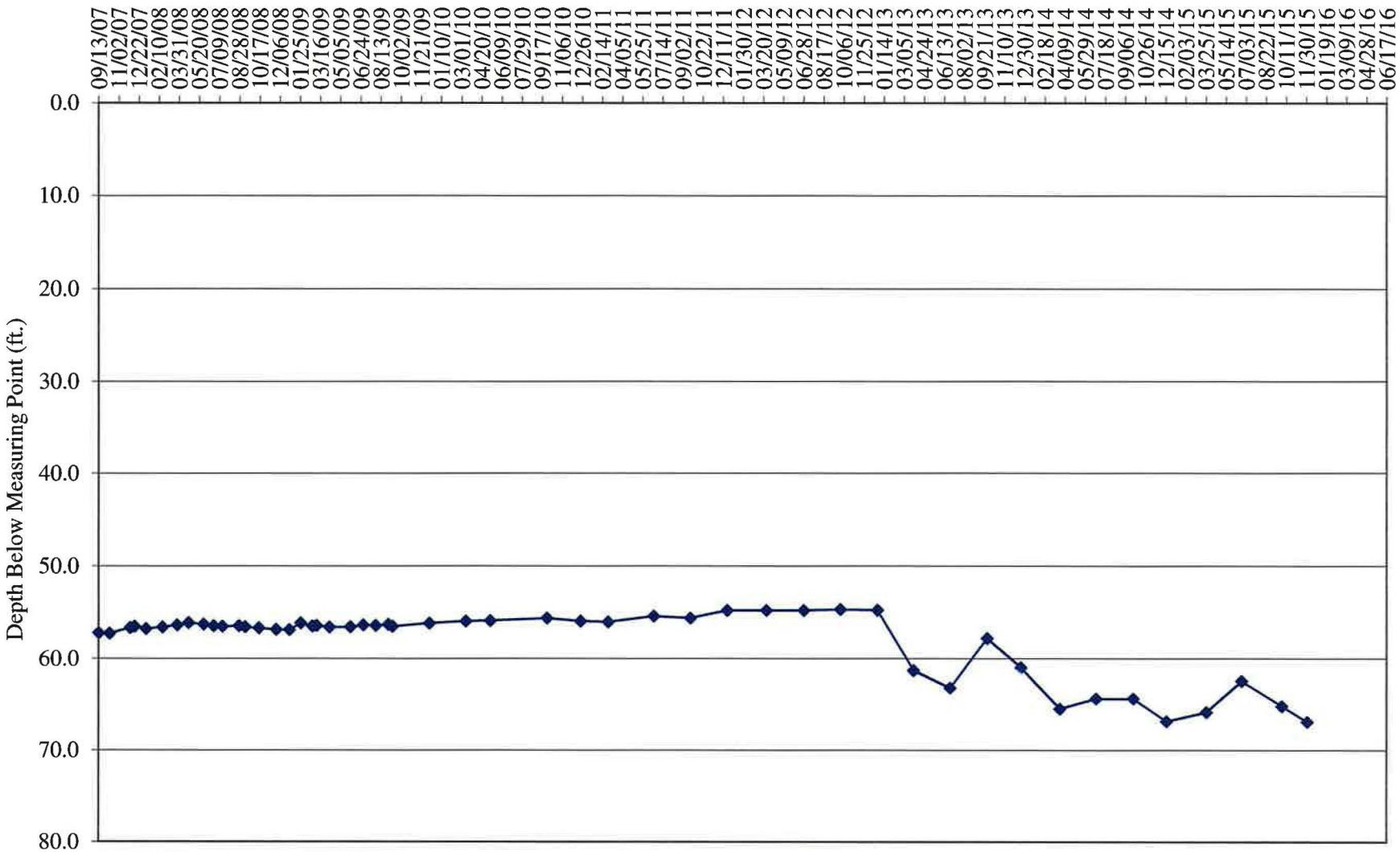
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-24

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,625.70 | 5,627.83 | 2.13 | | | | 113.5 |
| 5,570.61 | | | | 09/13/07 | 57.22 | 55.09 | |
| 5,570.53 | | | | 10/10/07 | 57.30 | 55.17 | |
| 5,571.16 | | | | 11/30/07 | 56.67 | 54.54 | |
| 5,571.30 | | | | 12/11/07 | 56.53 | 54.40 | |
| 5,571.03 | | | | 01/08/08 | 56.80 | 54.67 | |
| 5,571.22 | | | | 02/18/08 | 56.61 | 54.48 | |
| 5,571.43 | | | | 03/26/08 | 56.40 | 54.27 | |
| 5,571.68 | | | | 04/23/08 | 56.15 | 54.02 | |
| 5571.52 | | | | 05/30/08 | 56.31 | 54.18 | |
| 5,571.34 | | | | 06/24/08 | 56.49 | 54.36 | |
| 5,571.28 | | | | 07/16/08 | 56.55 | 54.42 | |
| 5,571.34 | | | | 08/26/08 | 56.49 | 54.36 | |
| 5,571.23 | | | | 09/10/08 | 56.60 | 54.47 | |
| 5,571.12 | | | | 10/14/08 | 56.71 | 54.58 | |
| 5,570.95 | | | | 11/26/08 | 56.88 | 54.75 | |
| 5,570.92 | | | | 12/29/08 | 56.91 | 54.78 | |
| 5,571.65 | | | | 01/26/09 | 56.18 | 54.05 | |
| 5,571.31 | | | | 02/24/09 | 56.52 | 54.39 | |
| 5,571.37 | | | | 03/06/09 | 56.46 | 54.33 | |
| 5,571.21 | | | | 04/07/09 | 56.62 | 54.49 | |
| 5,571.23 | | | | 05/29/09 | 56.60 | 54.47 | |
| 5,571.42 | | | | 06/30/09 | 56.41 | 54.28 | |
| 5,571.38 | | | | 07/31/09 | 56.45 | 54.32 | |
| 5,571.48 | | | | 08/31/09 | 56.35 | 54.22 | |
| 5,571.28 | | | | 09/10/09 | 56.55 | 54.42 | |
| 5,571.64 | | | | 12/11/09 | 56.19 | 54.06 | |
| 5,571.86 | | | | 03/11/10 | 55.97 | 53.84 | |
| 5,571.91 | | | | 05/11/10 | 55.92 | 53.79 | |
| 5,572.18 | | | | 09/29/10 | 55.65 | 53.52 | |
| 5,571.86 | | | | 12/21/10 | 55.97 | 53.84 | |
| 5,571.78 | | | | 02/28/11 | 56.05 | 53.92 | |
| 5,572.40 | | | | 06/21/11 | 55.43 | 53.30 | |
| 5,572.19 | | | | 09/20/11 | 55.64 | 53.51 | |
| 5,573.02 | | | | 12/21/11 | 54.81 | 52.68 | |
| 5,573.03 | | | | 03/27/12 | 54.80 | 52.67 | |
| 5,573.02 | | | | 06/28/12 | 54.81 | 52.68 | |
| 5,573.13 | | | | 09/27/12 | 54.70 | 52.57 | |
| 5,573.05 | | | | 12/28/12 | 54.78 | 52.65 | |
| 5,566.53 | | | | 03/28/13 | 61.30 | 59.17 | |
| 5,564.63 | | | | 06/27/13 | 63.20 | 61.07 | |
| 5,570.01 | | | | 09/27/13 | 57.82 | 55.69 | |
| 5,566.85 | | | | 12/20/13 | 60.98 | 58.85 | |
| 5,562.33 | | | | 03/27/14 | 65.50 | 63.37 | |

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-24

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,625.70 | 5,627.83 | 2.13 | | | | 113.5 |
| 5,563.43 | | | | 06/25/14 | 64.40 | 62.27 | |
| 5,563.43 | | | | 09/25/14 | 64.40 | 62.27 | |
| 5,560.97 | | | | 12/17/14 | 66.86 | 64.73 | |
| 5,561.95 | | | | 03/26/15 | 65.88 | 63.75 | |
| 5,565.38 | | | | 06/22/15 | 62.45 | 60.32 | |
| 5,562.61 | | | | 09/30/15 | 65.22 | 63.09 | |
| 5,560.91 | | | | 12/02/15 | 66.92 | 64.79 | |

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



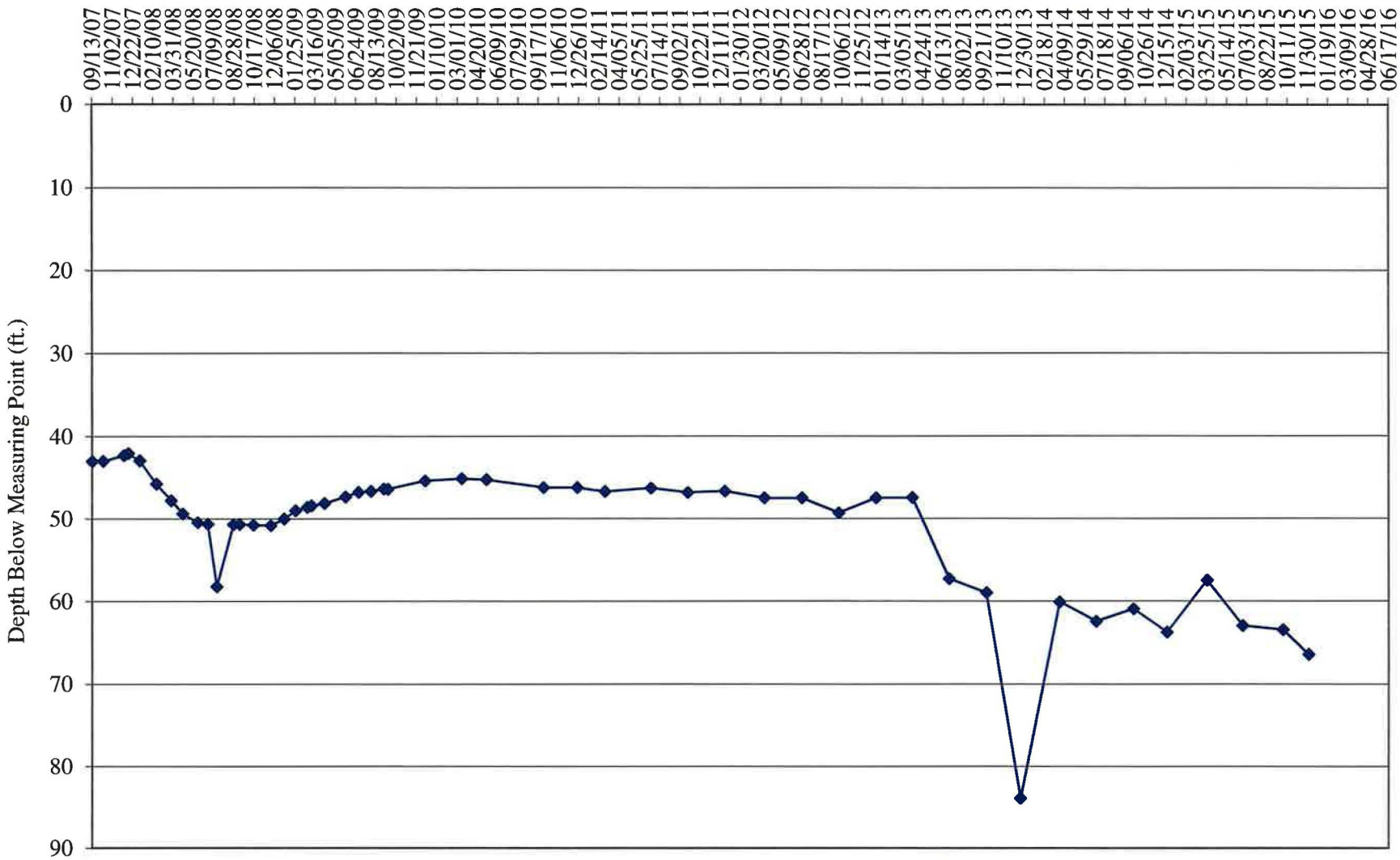
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-25

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,627.83 | 5,644.91 | 17.08 | | | | 134.8 |
| 5,601.86 | | | | 09/13/07 | 43.05 | 25.97 | |
| 5,601.89 | | | | 10/10/07 | 43.02 | 25.94 | |
| 5,602.57 | | | | 11/30/07 | 42.34 | 25.26 | |
| 5,602.82 | | | | 12/11/07 | 42.09 | 25.01 | |
| 5,601.94 | | | | 01/08/08 | 42.97 | 25.89 | |
| 5,599.13 | | | | 02/18/08 | 45.78 | 28.70 | |
| 5,597.11 | | | | 03/26/08 | 47.80 | 30.72 | |
| 5,595.51 | | | | 04/23/08 | 49.40 | 32.32 | |
| 5594.42 | | | | 05/30/08 | 50.49 | 33.41 | |
| 5,594.26 | | | | 06/24/08 | 50.65 | 33.57 | |
| 5,586.67 | | | | 07/16/08 | 58.24 | 41.16 | |
| 5,594.17 | | | | 08/26/08 | 50.74 | 33.66 | |
| 5,594.23 | | | | 09/10/08 | 50.68 | 33.60 | |
| 5,594.12 | | | | 10/14/08 | 50.79 | 33.71 | |
| 5,594.06 | | | | 11/26/08 | 50.85 | 33.77 | |
| 5,594.87 | | | | 12/29/08 | 50.04 | 32.96 | |
| 5,595.89 | | | | 01/26/09 | 49.02 | 31.94 | |
| 5,596.27 | | | | 02/24/09 | 48.64 | 31.56 | |
| 5,596.47 | | | | 03/06/09 | 48.44 | 31.36 | |
| 5,596.74 | | | | 04/07/09 | 48.17 | 31.09 | |
| 5,597.55 | | | | 05/29/09 | 47.36 | 30.28 | |
| 5,598.11 | | | | 06/30/09 | 46.80 | 29.72 | |
| 5,598.22 | | | | 07/31/09 | 46.69 | 29.61 | |
| 5,598.52 | | | | 08/31/09 | 46.39 | 29.31 | |
| 5,598.49 | | | | 09/10/09 | 46.42 | 29.34 | |
| 5,599.48 | | | | 12/11/09 | 45.43 | 28.35 | |
| 5,599.75 | | | | 03/11/10 | 45.16 | 28.08 | |
| 5,599.63 | | | | 05/11/10 | 45.28 | 28.20 | |
| 5,598.68 | | | | 09/29/10 | 46.23 | 29.15 | |
| 5,598.66 | | | | 12/21/10 | 46.25 | 29.17 | |
| 5,598.18 | | | | 02/28/11 | 46.73 | 29.65 | |
| 5,598.61 | | | | 06/21/11 | 46.30 | 29.22 | |
| 5,598.08 | | | | 09/20/11 | 46.83 | 29.75 | |
| 5,598.23 | | | | 12/21/11 | 46.68 | 29.60 | |
| 5,597.41 | | | | 03/27/12 | 47.50 | 30.42 | |
| 5,597.41 | | | | 06/28/12 | 47.50 | 30.42 | |
| 5,595.60 | | | | 09/27/12 | 49.31 | 32.23 | |
| 5,597.41 | | | | 12/28/12 | 47.50 | 30.42 | |
| 5,597.43 | | | | 03/28/13 | 47.48 | 30.40 | |
| 5,587.61 | | | | 06/27/13 | 57.30 | 40.22 | |
| 5,585.91 | | | | 09/27/13 | 59.00 | 41.92 | |
| 5,561.00 | | | | 12/20/13 | 83.91 | 66.83 | |

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-25

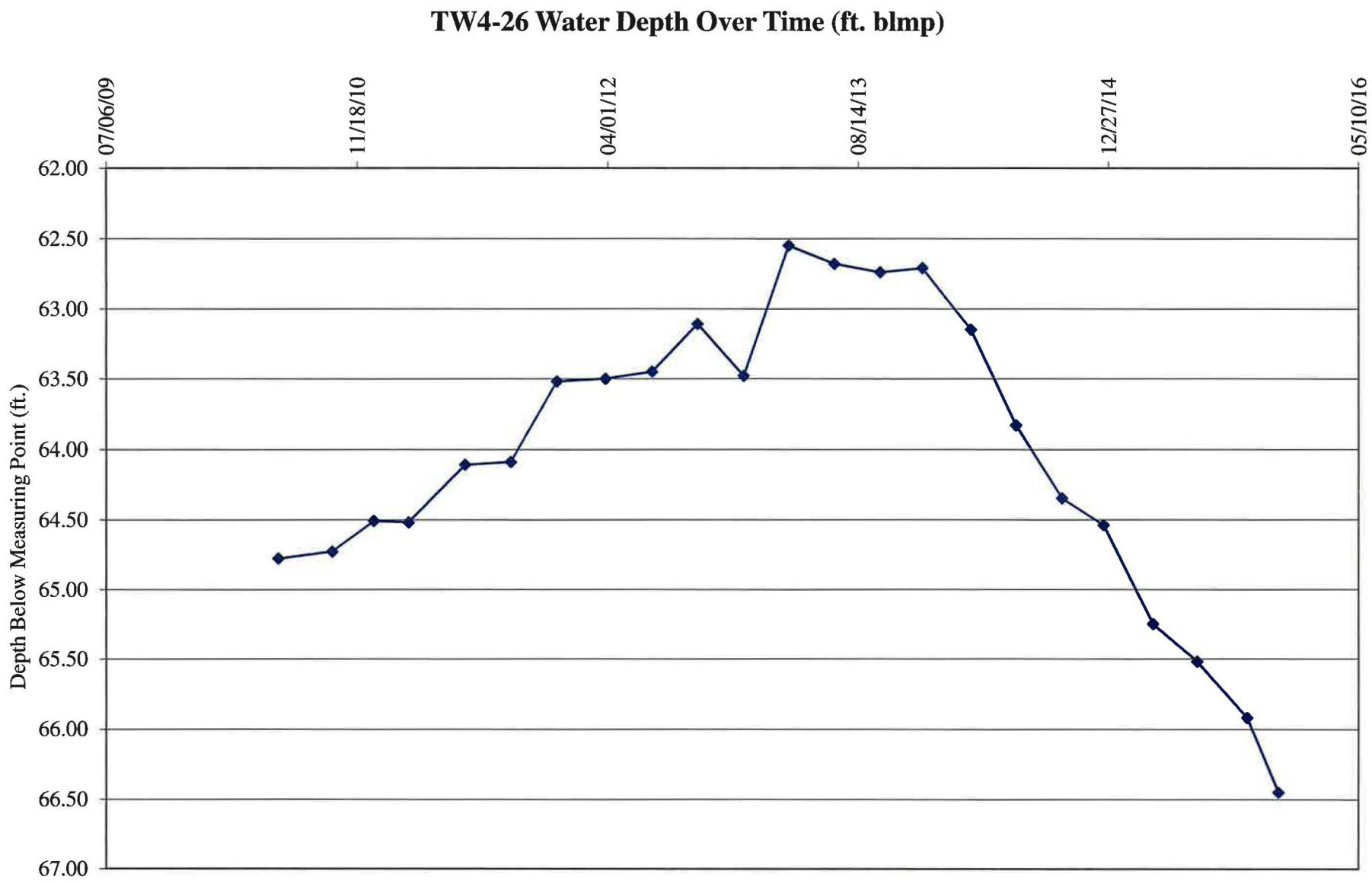
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,627.83 | 5,644.91 | 17.08 | | | | 134.8 |
| 5,584.79 | | | | 03/27/14 | 60.12 | 43.04 | |
| 5,582.44 | | | | 06/25/14 | 62.47 | 45.39 | |
| 5,583.95 | | | | 09/25/14 | 60.96 | 43.88 | |
| 5,581.13 | | | | 12/17/14 | 63.78 | 46.70 | |
| 5,587.40 | | | | 03/26/15 | 57.51 | 40.43 | |
| 5,581.91 | | | | 06/22/15 | 63.00 | 45.92 | |
| 5,581.40 | | | | 09/30/15 | 63.51 | 46.43 | |
| 5,578.42 | | | | 12/02/15 | 66.49 | 49.41 | |

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



# Water Levels and Data over Time
# White Mesa Mill - Well TW4-26

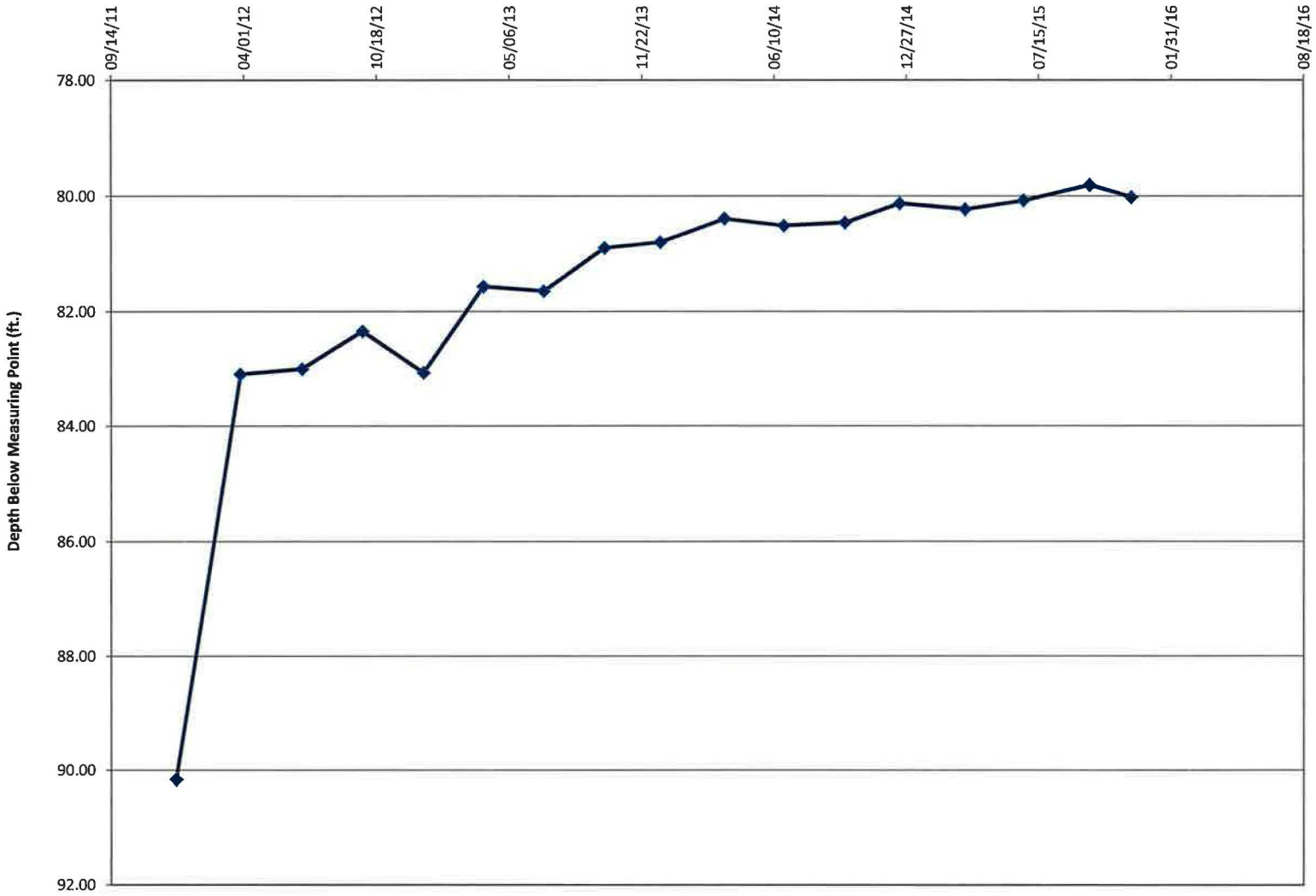
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,599.98 | 5,601.68 | 1.70 | | | | 86 |
| 5,536.90 | | | | 06/14/10 | 64.78 | 63.08 | |
| 5,536.95 | | | | 09/29/10 | 64.73 | 63.03 | |
| 5,537.17 | | | | 12/21/10 | 64.51 | 62.81 | |
| 5,537.16 | | | | 02/28/11 | 64.52 | 62.82 | |
| 5,537.57 | | | | 06/21/11 | 64.11 | 62.41 | |
| 5,537.59 | | | | 09/20/11 | 64.09 | 62.39 | |
| 5,538.16 | | | | 12/21/11 | 63.52 | 61.82 | |
| 5,538.18 | | | | 03/27/12 | 63.50 | 61.80 | |
| 5538.23 | | | | 06/28/12 | 63.45 | 61.75 | |
| 5,538.57 | | | | 09/27/12 | 63.11 | 61.41 | |
| 5,538.20 | | | | 12/28/12 | 63.48 | 61.78 | |
| 5,539.13 | | | | 03/28/13 | 62.55 | 60.85 | |
| 5,539.00 | | | | 06/27/13 | 62.68 | 60.98 | |
| 5,538.94 | | | | 09/27/13 | 62.74 | 61.04 | |
| 5,538.97 | | | | 12/20/13 | 62.71 | 61.01 | |
| 5,538.53 | | | | 03/27/14 | 63.15 | 61.45 | |
| 5,537.85 | | | | 06/25/14 | 63.83 | 62.13 | |
| 5,537.33 | | | | 09/25/14 | 64.35 | 62.65 | |
| 5,537.14 | | | | 12/17/14 | 64.54 | 62.84 | |
| 5,536.43 | | | | 03/26/15 | 65.25 | 63.55 | |
| 5,536.16 | | | | 06/22/15 | 65.52 | 63.82 | |
| 5,535.76 | | | | 09/30/15 | 65.92 | 64.22 | |
| 5,535.23 | | | | 12/02/15 | 66.45 | 64.75 | |


TW4-26 Water Depth Over Time (ft. blmp)
07/06/09
11/18/10
04/01/12
08/14/13
12/27/14
05/10/16
62.00
62.50
63.00
63.50
64.00
64.50
65.00
65.50
66.00
66.50
67.00
Depth Below Measuring Point (ft.)

# Water Levels and Data over Time
## White Mesa Mill - Well TW4-27

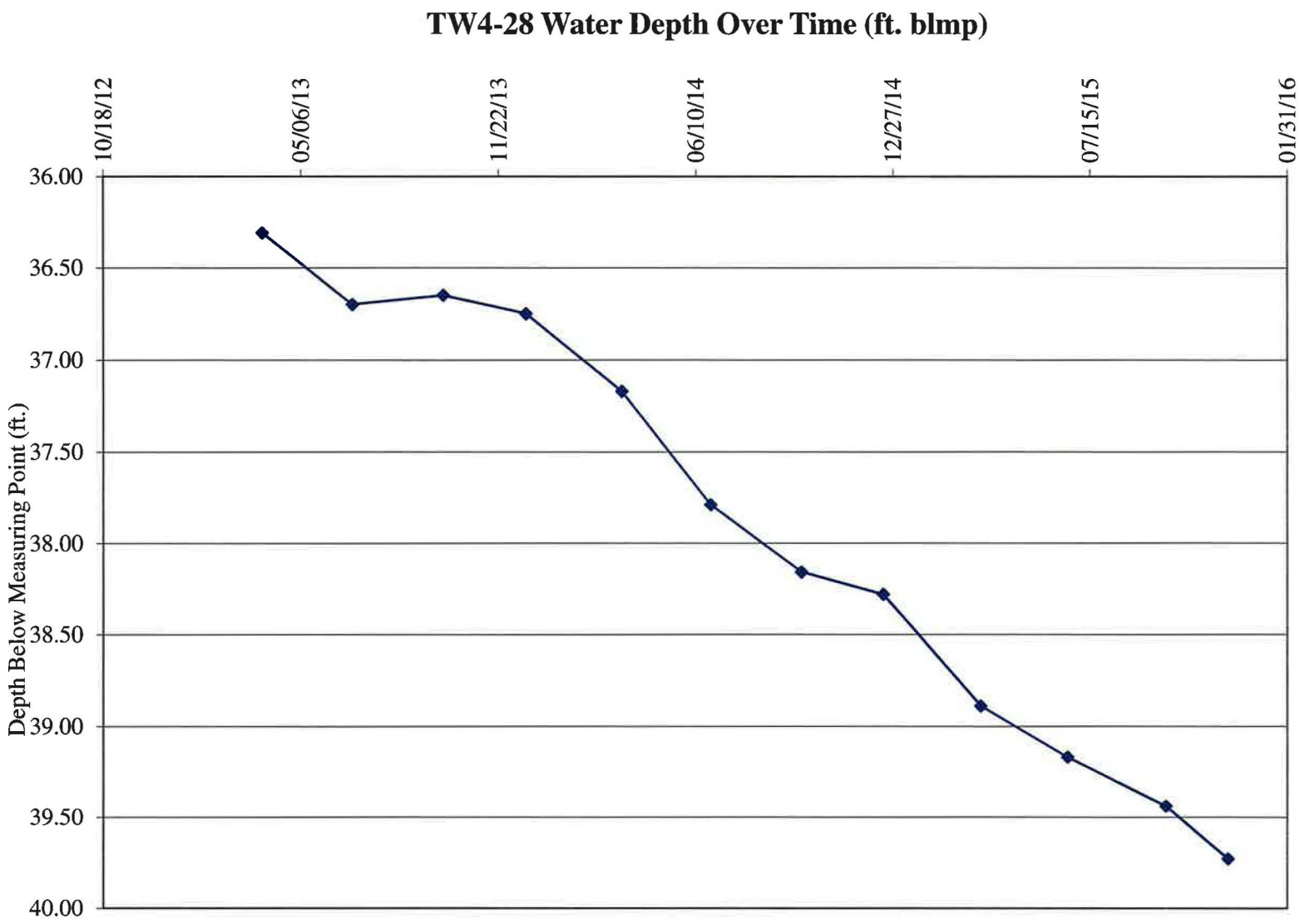
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,606.19 | 5,607.94 | 1.75 | | | | 96 |
| 5,517.78 | | | | 12/21/11 | 90.16 | 88.41 | |
| 5,524.84 | | | | 03/27/12 | 83.10 | 81.35 | |
| 5,524.93 | | | | 06/28/12 | 83.01 | 81.26 | |
| 5,525.59 | | | | 09/27/12 | 82.35 | 80.60 | |
| 5,524.86 | | | | 12/28/12 | 83.08 | 81.33 | |
| 5,526.37 | | | | 03/28/13 | 81.57 | 79.82 | |
| 5,526.29 | | | | 06/27/13 | 81.65 | 79.90 | |
| 5,527.04 | | | | 09/27/13 | 80.90 | 79.15 | |
| 5,527.14 | | | | 12/20/13 | 80.80 | 79.05 | |
| 5,527.55 | | | | 03/27/14 | 80.39 | 78.64 | |
| 5,527.43 | | | | 06/25/14 | 80.51 | 78.76 | |
| 5,527.48 | | | | 09/25/14 | 80.46 | 78.71 | |
| 5,527.81 | | | | 12/17/14 | 80.13 | 78.38 | |
| 5,527.71 | | | | 03/26/15 | 80.23 | 78.48 | |
| 5,527.86 | | | | 06/22/15 | 80.08 | 78.33 | |
| 5,528.13 | | | | 09/30/15 | 79.81 | 78.06 | |
| 5,527.92 | | | | 12/02/15 | 80.02 | 78.27 | |

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



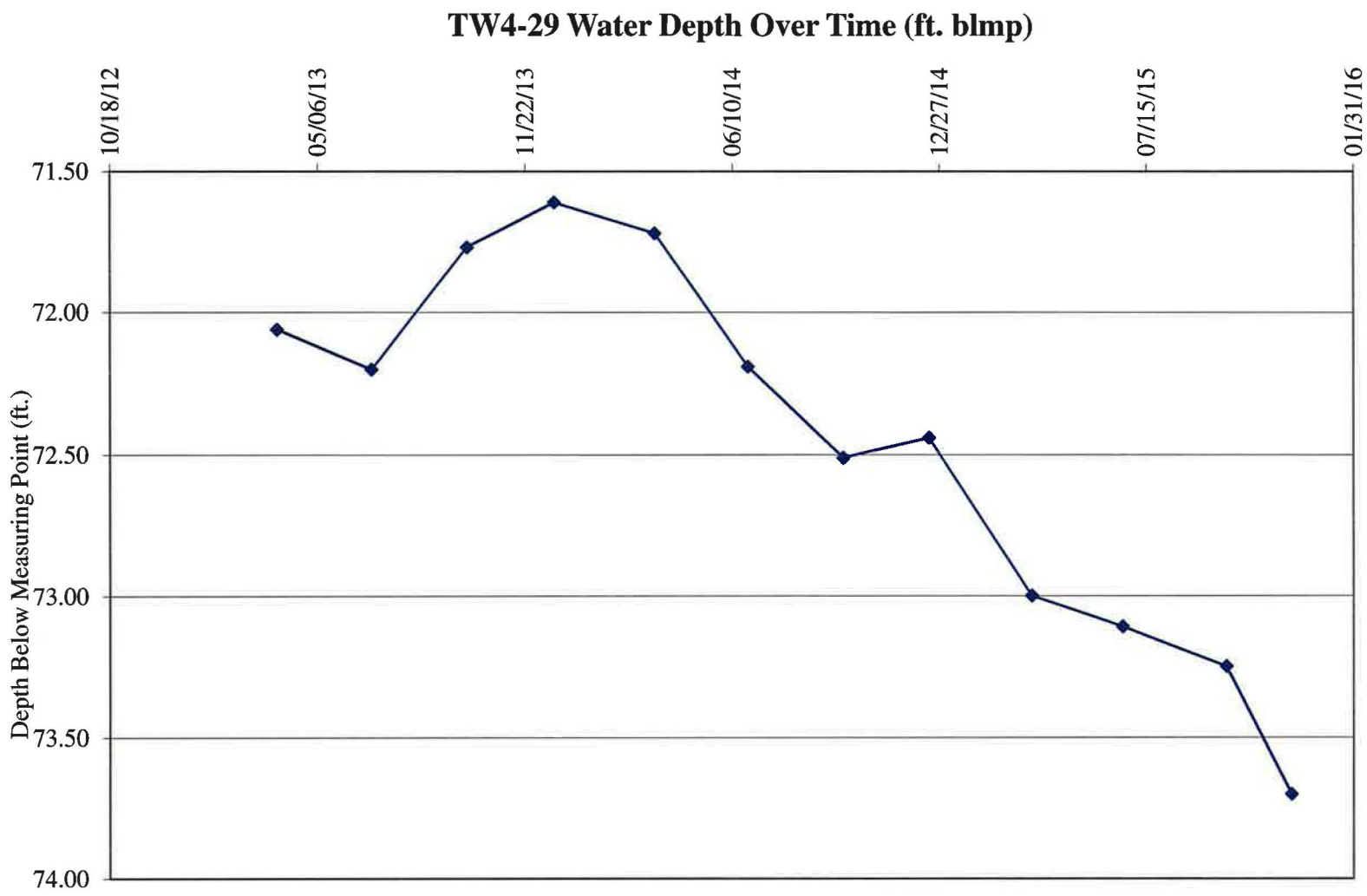
# Water Levels and Data over Time
# White Mesa Mill - Well TW4-28

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,613.52 | 5,617.00 | 3.48 | | | | 105 |
| 5,580.69 | | | | 03/28/13 | 36.31 | 32.83 | |
| 5,580.30 | | | | 06/27/13 | 36.70 | 33.22 | |
| 5,580.35 | | | | 09/27/13 | 36.65 | 33.17 | |
| 5,580.25 | | | | 12/20/13 | 36.75 | 33.27 | |
| 5,579.83 | | | | 03/27/14 | 37.17 | 33.69 | |
| 5,579.21 | | | | 06/25/14 | 37.79 | 34.31 | |
| 5,578.84 | | | | 09/25/14 | 38.16 | 34.68 | |
| 5,578.72 | | | | 12/17/14 | 38.28 | 34.80 | |
| 5,578.11 | | | | 03/26/15 | 38.89 | 35.41 | |
| 5,577.83 | | | | 06/22/15 | 39.17 | 35.69 | |
| 5,577.56 | | | | 09/30/15 | 39.44 | 35.96 | |
| 5,577.27 | | | | 12/02/15 | 39.73 | 36.25 | |


TW4-28 Water Depth Over Time (ft. blmp)
10/18/12
05/06/13
11/22/13
06/10/14
12/27/14
07/15/15
01/31/16
36.00
36.50
37.00
37.50
38.00
38.50
39.00
39.50
40.00
Depth Below Measuring Point (ft.)

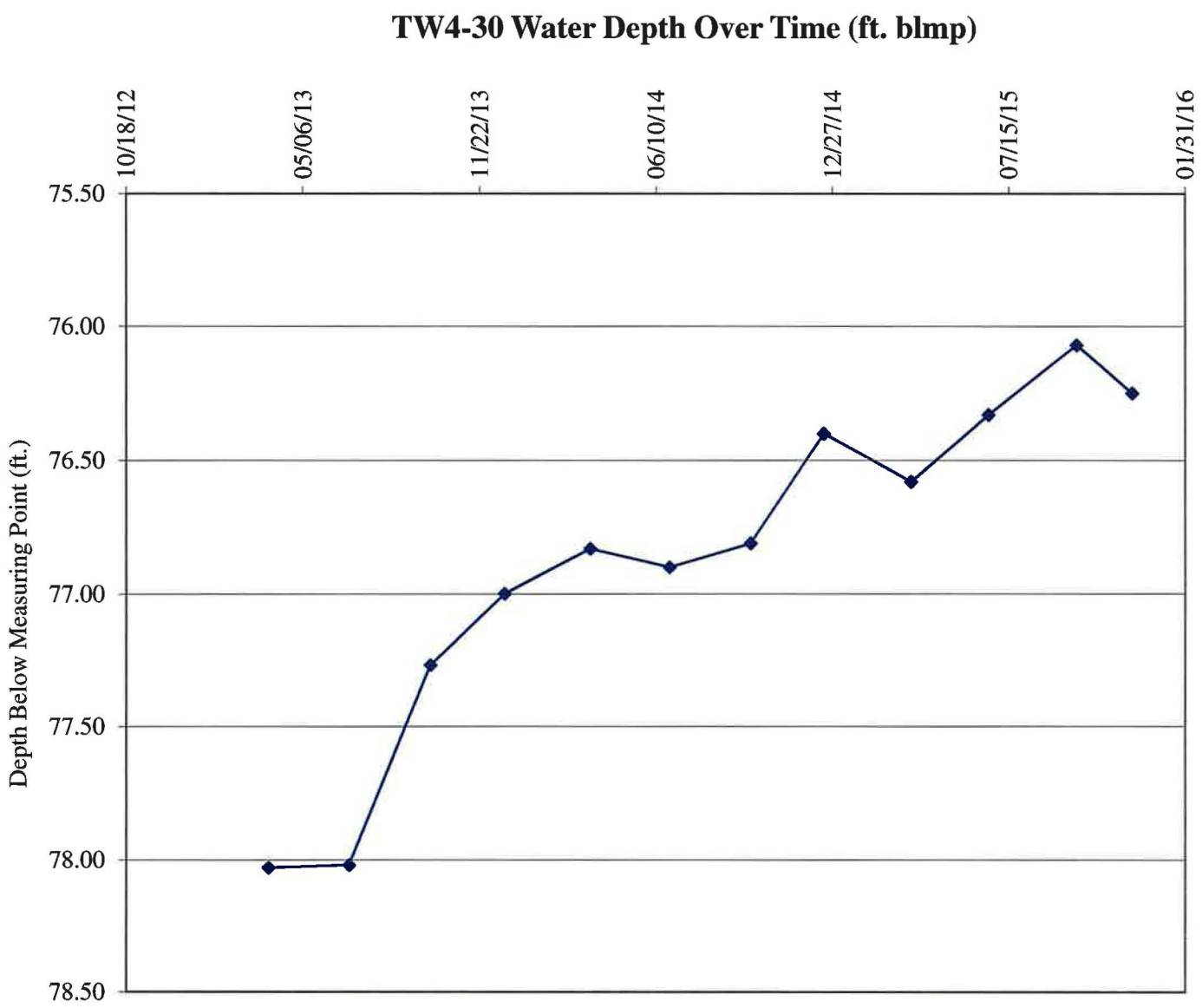
## Water Levels and Data over Time
## White Mesa Mill - Well TW4-29

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,602.56 | 5,606.04 | 3.48 | | | | 105 |
| 5,533.98 | | | | 03/28/13 | 72.06 | 68.58 | |
| 5,533.84 | | | | 06/27/13 | 72.20 | 68.72 | |
| 5,534.27 | | | | 09/27/13 | 71.77 | 68.29 | |
| 5,534.43 | | | | 12/20/13 | 71.61 | 68.13 | |
| 5,534.32 | | | | 03/27/14 | 71.72 | 68.24 | |
| 5,533.85 | | | | 06/25/14 | 72.19 | 68.71 | |
| 5,533.53 | | | | 09/25/14 | 72.51 | 69.03 | |
| 5,533.60 | | | | 12/17/14 | 72.44 | 68.96 | |
| 5,533.04 | | | | 03/26/15 | 73.00 | 69.52 | |
| 5,532.93 | | | | 06/22/15 | 73.11 | 69.63 | |
| 5,532.79 | | | | 09/30/15 | 73.25 | 69.77 | |
| 5,532.34 | | | | 12/02/15 | 73.70 | 70.22 | |


TW4-29 Water Depth Over Time (ft. blmp)
10/18/12
05/06/13
11/22/13
06/10/14
12/27/14
07/15/15
01/31/16
71.50
72.00
72.50
73.00
73.50
74.00
Depth Below Measuring Point (ft.)

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-30

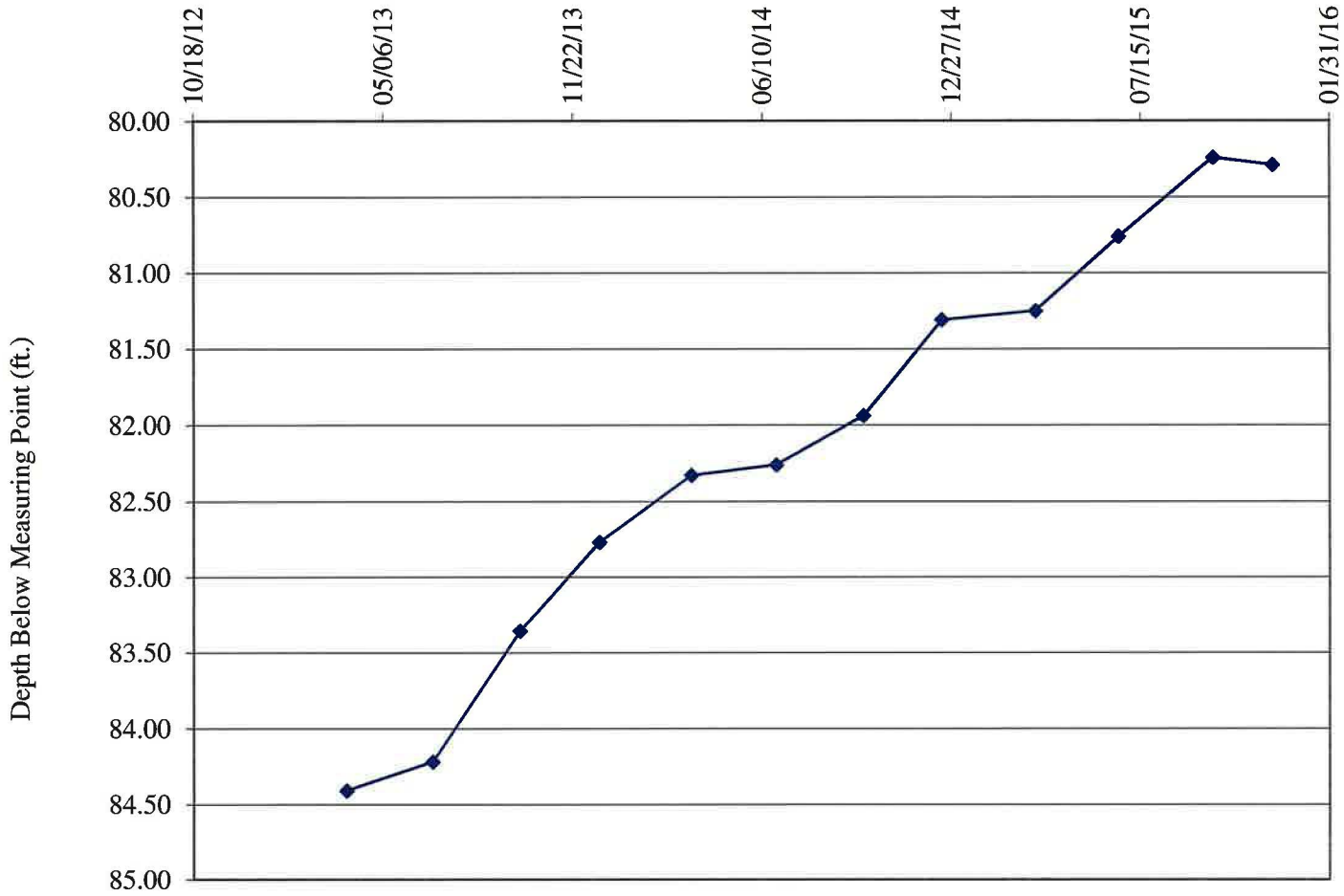
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,599.33 | 5,602.81 | 3.48 | | | | 105 |
| 5,524.78 | | | | 03/28/13 | 78.03 | 74.55 | |
| 5,524.79 | | | | 06/27/13 | 78.02 | 74.54 | |
| 5,525.54 | | | | 09/27/13 | 77.27 | 73.79 | |
| 5,525.81 | | | | 12/20/13 | 77.00 | 73.52 | |
| 5,525.98 | | | | 03/27/14 | 76.83 | 73.35 | |
| 5,525.91 | | | | 06/25/14 | 76.90 | 73.42 | |
| 5,526.00 | | | | 09/25/14 | 76.81 | 73.33 | |
| 5,526.41 | | | | 12/17/14 | 76.40 | 72.92 | |
| 5,526.23 | | | | 03/26/15 | 76.58 | 73.10 | |
| 5,526.48 | | | | 06/22/15 | 76.33 | 72.85 | |
| 5,526.74 | | | | 09/30/15 | 76.07 | 72.59 | |
| 5,526.56 | | | | 12/02/15 | 76.25 | 72.77 | |


TW4-30 Water Depth Over Time (ft. blmp)
10/18/12
05/06/13
11/22/13
06/10/14
12/27/14
07/15/15
01/31/16
75.50
76.00
76.50
77.00
77.50
78.00
78.50
Depth Below Measuring Point (ft.)

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-31

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,601.10 | 5,604.58 | 3.48 | | | | 105 |
| 5,520.17 | | | | 03/28/13 | 84.41 | 80.93 | |
| 5,520.36 | | | | 06/27/13 | 84.22 | 80.74 | |
| 5,521.22 | | | | 09/27/13 | 83.36 | 79.88 | |
| 5,521.81 | | | | 12/20/13 | 82.77 | 79.29 | |
| 5,522.25 | | | | 03/27/14 | 82.33 | 78.85 | |
| 5,522.32 | | | | 06/25/14 | 82.26 | 78.78 | |
| 5,522.64 | | | | 09/25/14 | 81.94 | 78.46 | |
| 5,523.27 | | | | 12/17/14 | 81.31 | 77.83 | |
| 5,523.33 | | | | 03/26/15 | 81.25 | 77.77 | |
| 5,523.82 | | | | 06/22/15 | 80.76 | 77.28 | |
| 5,524.34 | | | | 09/30/15 | 80.24 | 76.76 | |
| 5,524.29 | | | | 12/02/15 | 80.29 | 76.81 | |

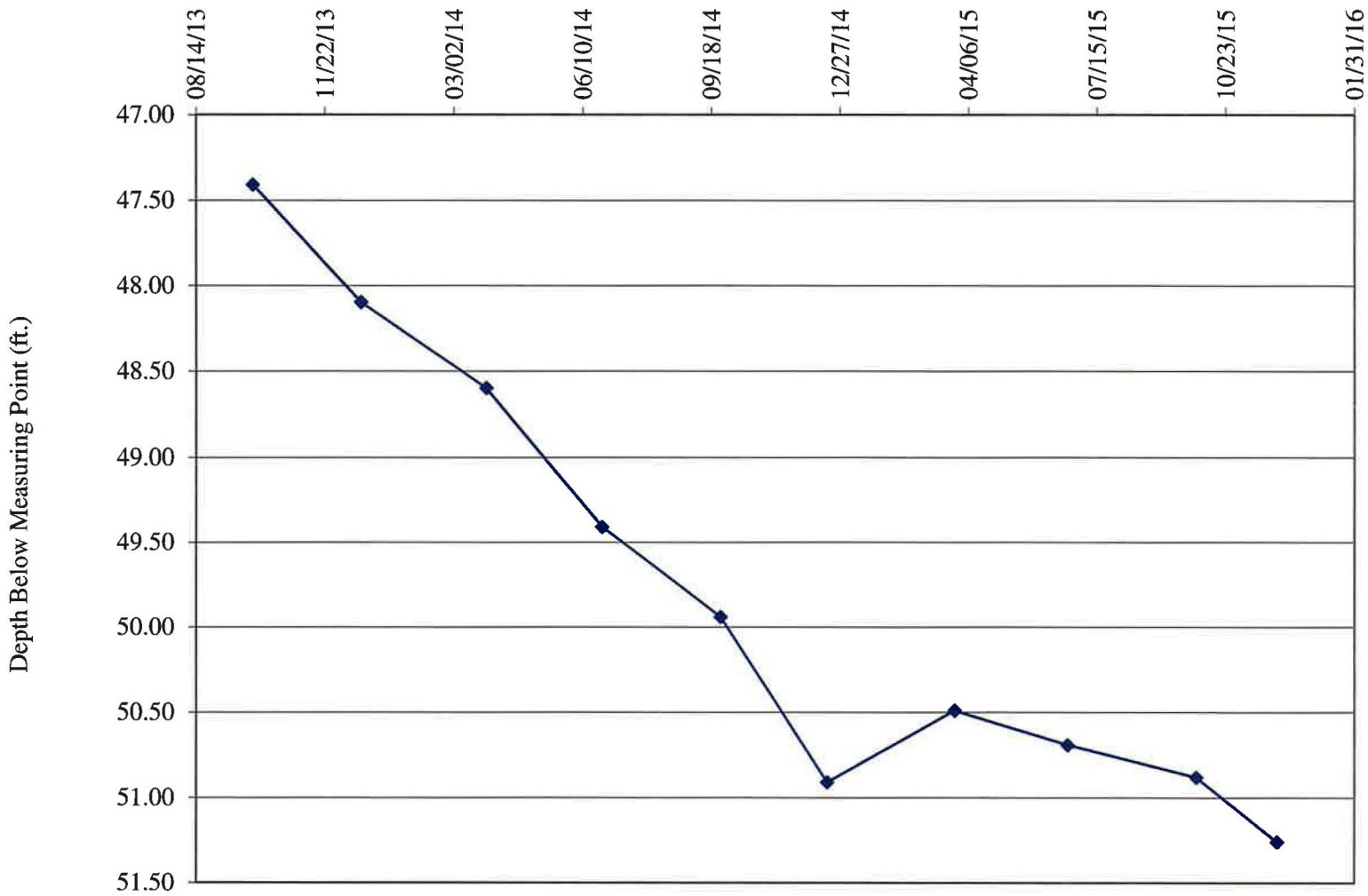
## TW4-31 Water Depth Over Time (ft. blmp)



## Water Levels and Data over Time
## White Mesa Mill - Well TW4-32

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,610.20 | 5,611.84 | 1.64 | | | | 113 |
| 5,564.43 | | | | 09/27/13 | 47.41 | 45.77 | |
| 5,563.74 | | | | 12/20/13 | 48.10 | 46.46 | |
| 5,563.24 | | | | 03/27/14 | 48.60 | 46.96 | |
| 5,562.43 | | | | 06/25/14 | 49.41 | 47.77 | |
| 5,561.90 | | | | 09/25/14 | 49.94 | 48.30 | |
| 5,560.93 | | | | 12/17/14 | 50.91 | 49.27 | |
| 5,561.35 | | | | 03/26/15 | 50.49 | 48.85 | |
| 5,561.15 | | | | 06/22/15 | 50.69 | 49.05 | |
| 5,560.96 | | | | 09/30/15 | 50.88 | 49.24 | |
| 5,560.58 | | | | 12/02/15 | 51.26 | 49.62 | |

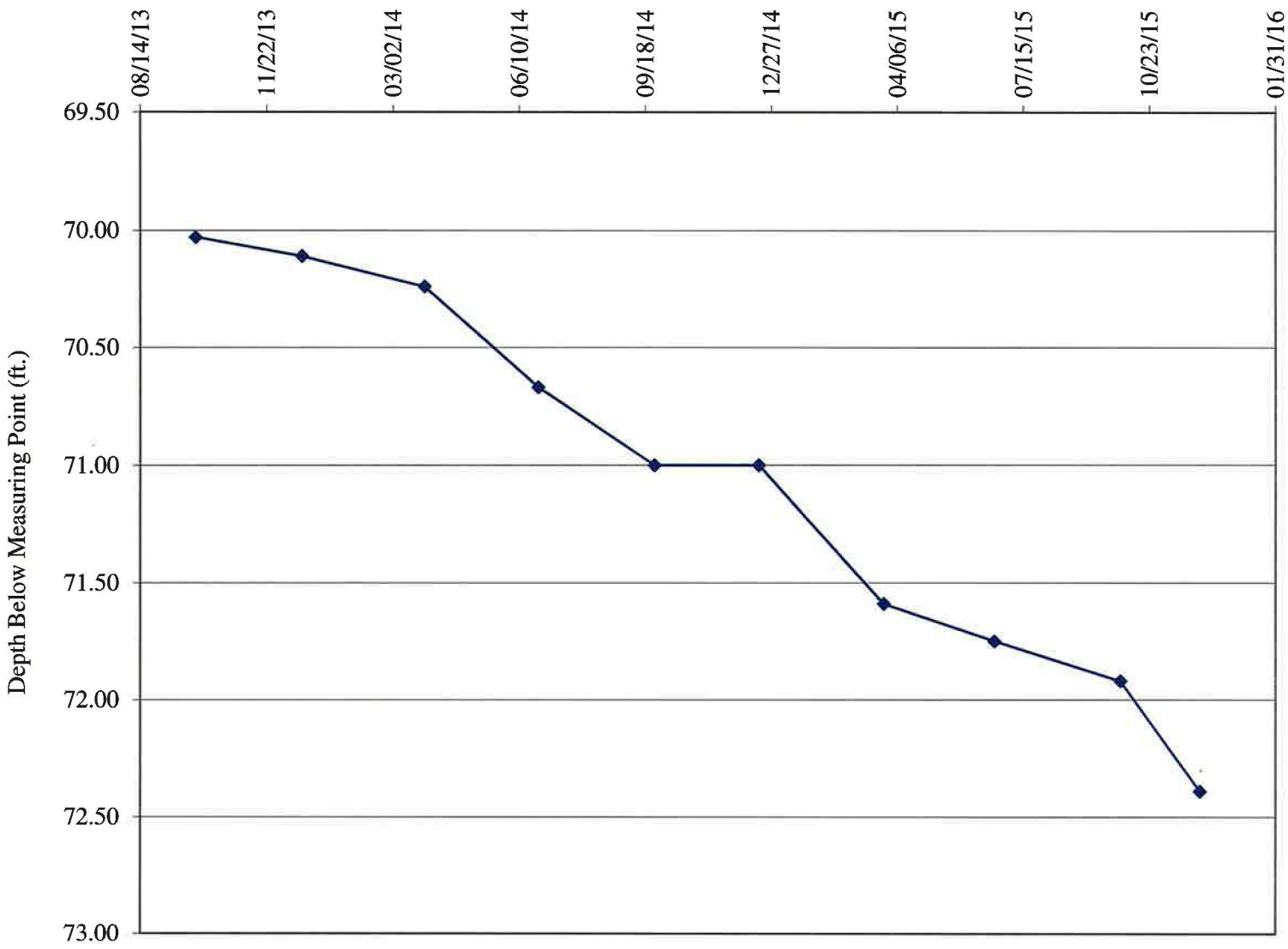
# TW4-32 Water Depth Over Time (ft. blmp)



## Water Levels and Data over Time
## White Mesa Mill - Well TW4-33

| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,605.20 | 5,606.73 | 1.53 | | | | 84.7 |
| 5,536.70 | | | | 09/27/13 | 70.03 | 68.50 | |
| 5,536.62 | | | | 12/20/13 | 70.11 | 68.58 | |
| 5,536.49 | | | | 03/27/14 | 70.24 | 68.71 | |
| 5,536.06 | | | | 06/25/14 | 70.67 | 69.14 | |
| 5,535.73 | | | | 09/25/14 | 71.00 | 69.47 | |
| 5,535.73 | | | | 12/17/14 | 71.00 | 69.47 | |
| 5,535.14 | | | | 03/26/15 | 71.59 | 70.06 | |
| 5,534.98 | | | | 06/22/15 | 71.75 | 70.22 | |
| 5,534.81 | | | | 09/30/15 | 71.92 | 70.39 | |
| 5,534.34 | | | | 12/02/15 | 72.39 | 70.86 | |

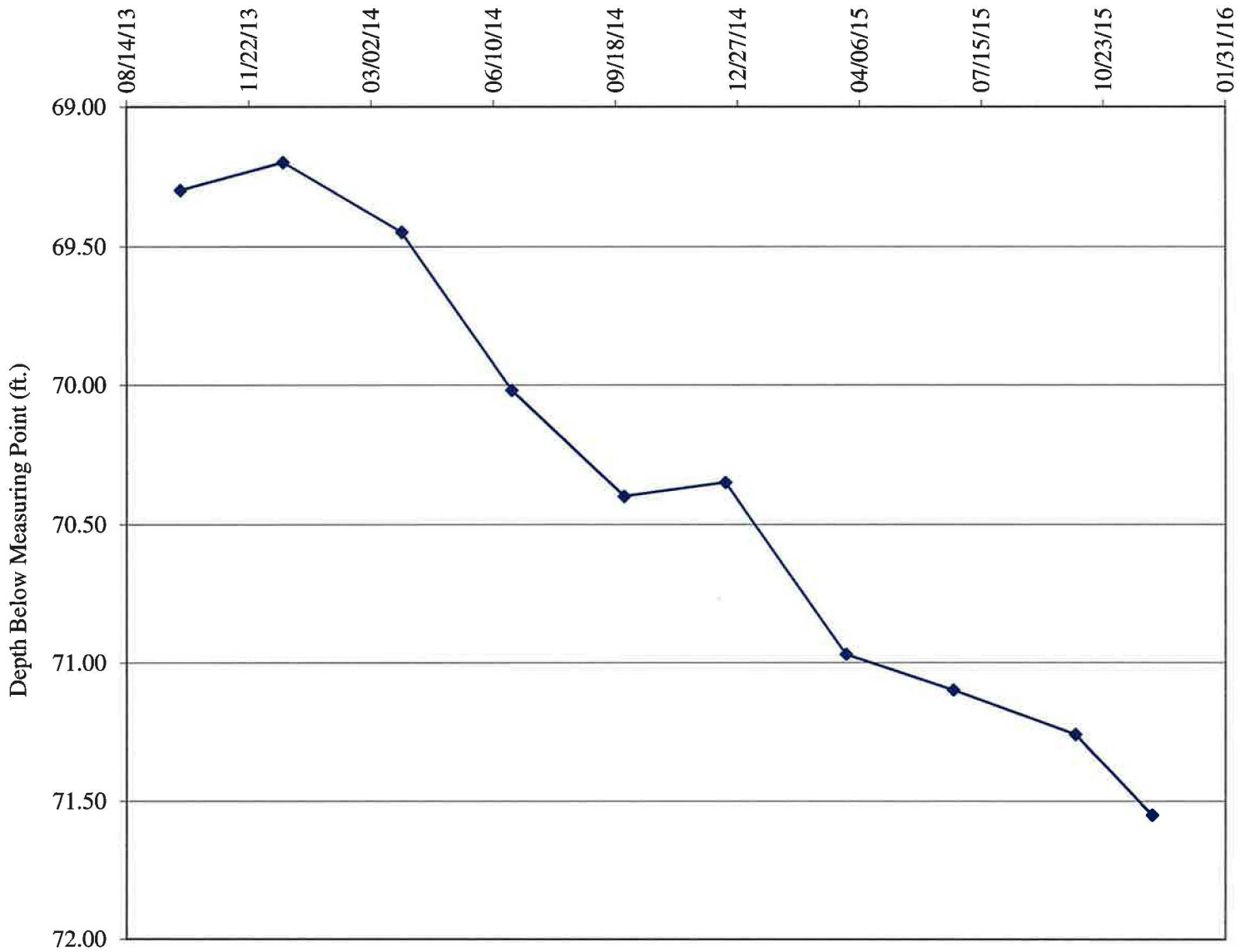
# TW4-33 Water Depth Over Time (ft. blmp)



## Water Levels and Data over Time
## White Mesa Mill - Well TW4-34

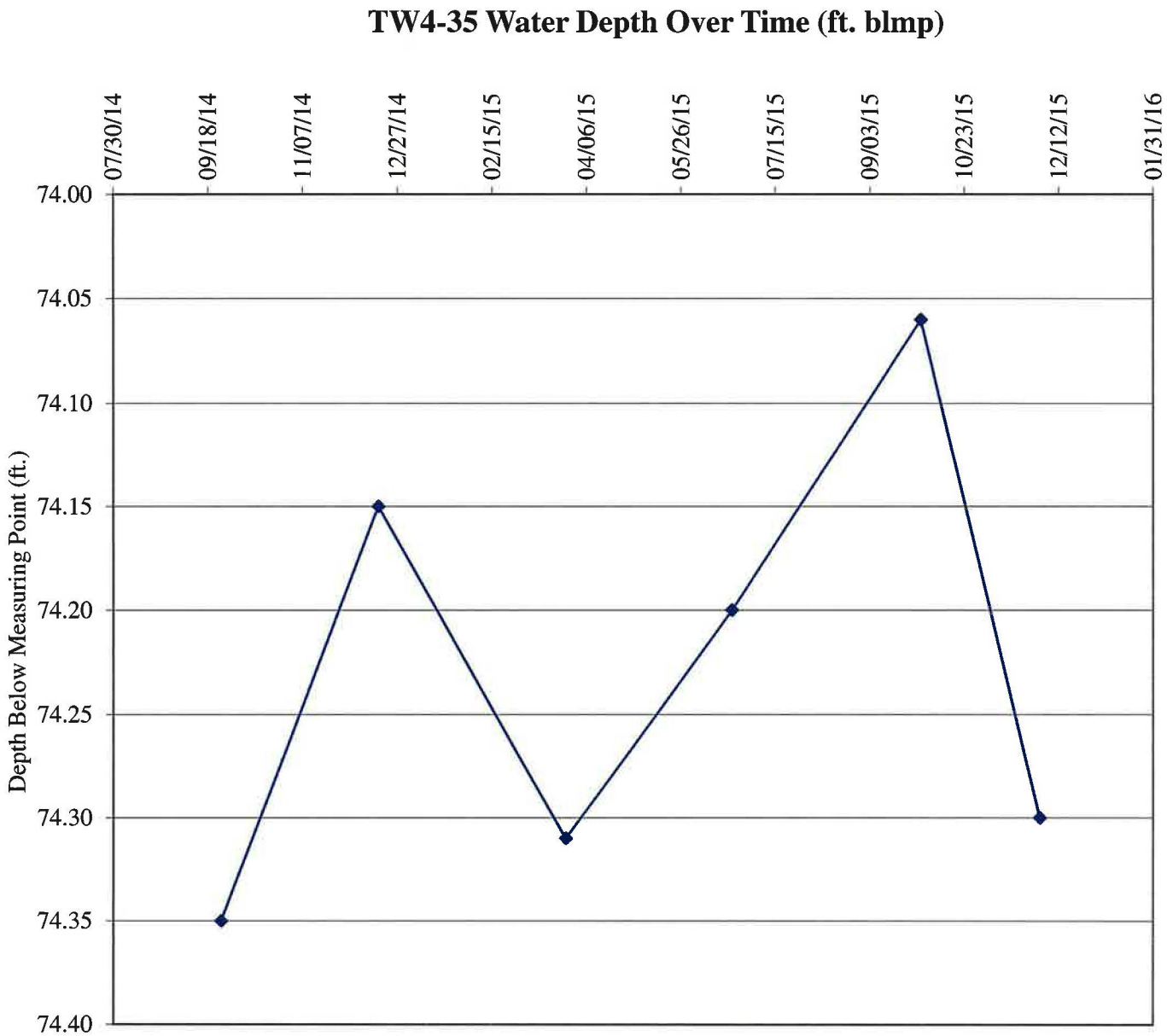
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,601.60 | 5,603.34 | 1.74 | | | | 94 |
| 5,534.04 | | | | 09/27/13 | 69.30 | 67.56 | |
| 5,534.14 | | | | 12/20/13 | 69.20 | 67.46 | |
| 5,533.89 | | | | 03/27/14 | 69.45 | 67.71 | |
| 5,533.32 | | | | 06/25/14 | 70.02 | 68.28 | |
| 5,532.94 | | | | 09/25/14 | 70.40 | 68.66 | |
| 5,532.99 | | | | 12/17/14 | 70.35 | 68.61 | |
| 5,532.37 | | | | 03/26/15 | 70.97 | 69.23 | |
| 5,532.24 | | | | 06/22/15 | 71.10 | 69.36 | |
| 5,532.08 | | | | 09/30/15 | 71.26 | 69.52 | |
| 5,531.79 | | | | 12/02/15 | 71.55 | 69.81 | |

# TW4-34 Water Depth Over Time (ft. blmp)



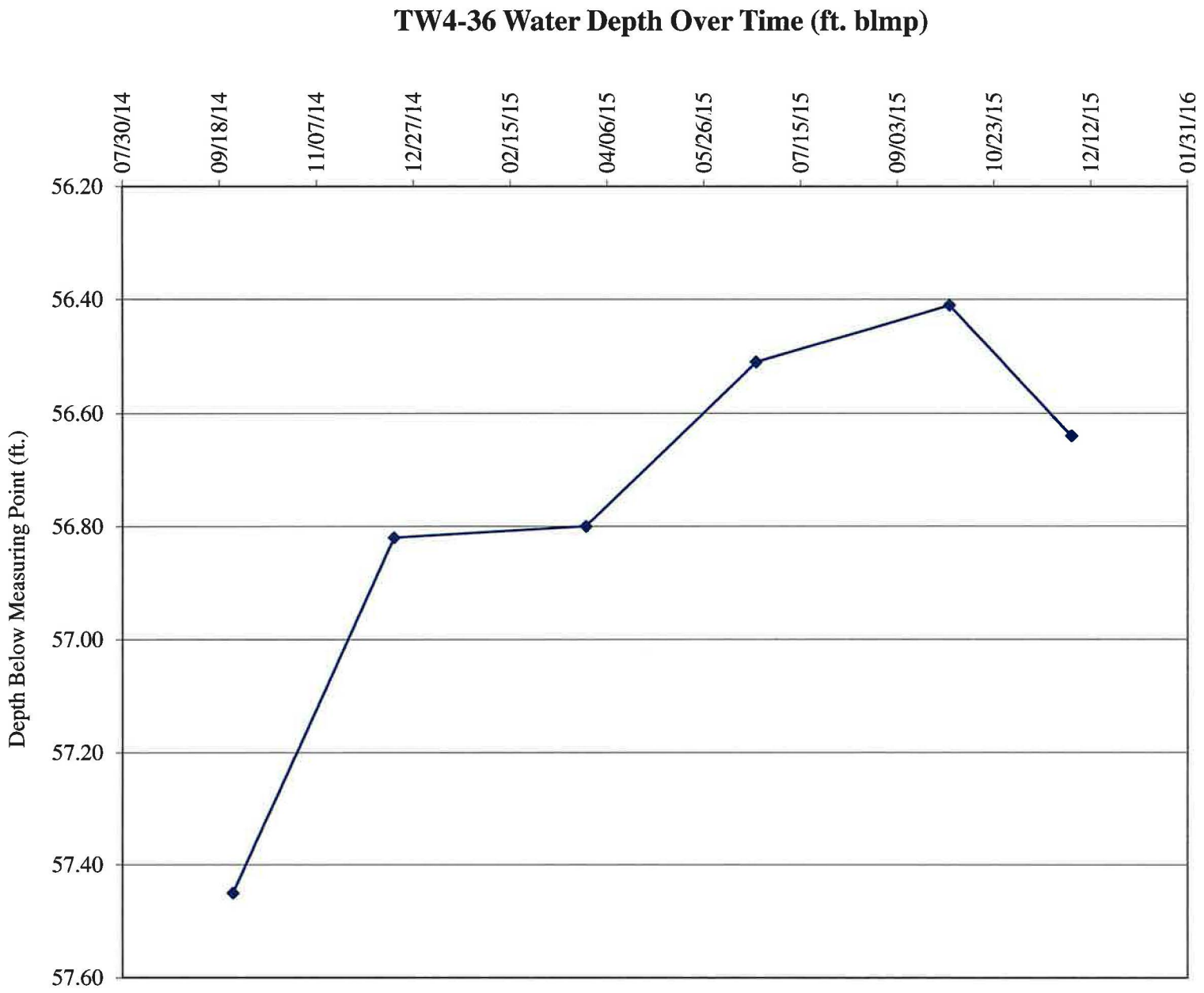
## Water Levels and Data over Time
## White Mesa Mill - Well TW4-35

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,598.67 | 5,599.87 | 1.20 | | | | 85.3 |
| 5,525.52 | | | | 09/25/14 | 74.35 | 73.15 | |
| 5,525.72 | | | | 12/17/14 | 74.15 | 72.95 | |
| 5,525.56 | | | | 03/26/15 | 74.31 | 73.11 | |
| 5,525.67 | | | | 06/22/15 | 74.20 | 73.00 | |
| 5,525.81 | | | | 09/30/15 | 74.06 | 72.86 | |
| 5,525.57 | | | | 12/02/15 | 74.30 | 73.10 | |


TW4-35 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
74.00
74.05
74.10
74.15
74.20
74.25
74.30
74.35
74.40
07/30/14
09/18/14
11/07/14
12/27/14
02/15/15
04/06/15
05/26/15
07/15/15
09/03/15
10/23/15
12/12/15
01/31/16

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-36

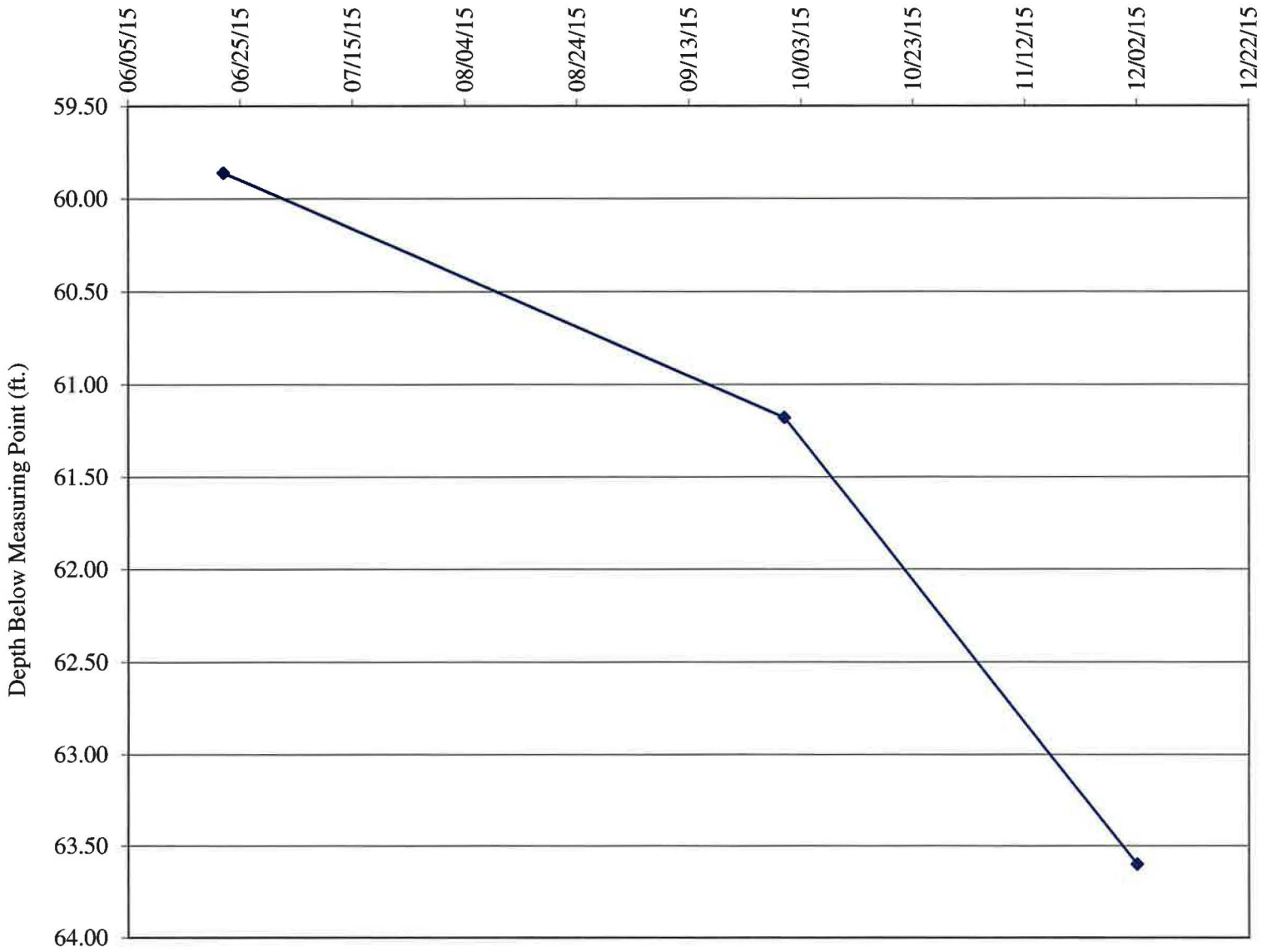
| Water Elevation (WL) | Land Surface (LSD) | Measuring Point Elevation (MP) | Length Of Riser (L) | Date Of Monitoring | Total or Measured Depth to Water (blw.MP) | Total Depth to Water (blw.LSD) | Total Depth Of Well |
|---|---|---|---|---|---|---|---|
| | 5,615.18 | 5,616.59 | 1.41 | | | | 98 |
| 5,559.14 | | | | 09/25/14 | 57.45 | 56.04 | |
| 5,559.77 | | | | 12/17/14 | 56.82 | 55.41 | |
| 5,559.79 | | | | 03/26/15 | 56.80 | 55.39 | |
| 5,560.08 | | | | 06/22/15 | 56.51 | 55.10 | |
| 5,560.18 | | | | 09/30/15 | 56.41 | 55.00 | |
| 5,559.95 | | | | 12/02/15 | 56.64 | 55.23 | |


TW4-36 Water Depth Over Time (ft. blmp)
07/30/14
09/18/14
11/07/14
12/27/14
02/15/15
04/06/15
05/26/15
07/15/15
09/03/15
10/23/15
12/12/15
01/31/16
56.20
56.40
56.60
56.80
57.00
57.20
57.40
57.60
Depth Below Measuring Point (ft.)

## Water Levels and Data over Time
## White Mesa Mill - Well TW4-37

| 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 |
|---|---|---|---|---|---|---|---|
| | 5,630.13 | 5,631.85 | 1.72 | | | | 112 |
| 5,571.99 | | | | 06/22/15 | 59.86 | 58.14 | |
| 5,570.67 | | | | 09/30/15 | 61.18 | 59.46 | |
| 5,568.25 | | | | 12/02/15 | 63.60 | 61.88 | |

# TW4-37 Water Depth Over Time (ft. blmp)



Tab G

Chloroform Mass Removed and Volume Pumped in Chloroform Pumping Wells Over Time

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | MW-4 | | | | | | TW4-15 (formerly MW-26) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | 1307110 | 3370.0 | 4947411.4 | 1.667E+10 | 16673 | 36.8 | 930510 | 1660.0 | 3521980.4 | 5.846E+09 | 5846 | 12.9 |
| Q2 2007 | 81230 | 2000.0 | 307455.6 | 614911100 | 615 | 1.4 | 54400 | 300.0 | 205904.0 | 61771200 | 62 | 0.1 |
| Q3 2007 | 100700 | 2600.0 | 381149.5 | 990988700 | 991 | 2.2 | 72080 | 1400.0 | 272822.8 | 381951920 | 382 | 0.8 |
| Q4 2007 | 90830 | 2300.0 | 343791.6 | 790720565 | 791 | 1.7 | 61750 | 2000.0 | 233723.8 | 467447500 | 467 | 1.0 |
| Q1 2008 | 83950 | 2400.0 | 317750.8 | 762601800 | 763 | 1.7 | 47780 | 930.0 | 180847.3 | 168187989 | 168 | 0.4 |
| Q2 2008 | 62780 | 2500.0 | 237622.3 | 594055750 | 594 | 1.3 | 44840 | 1300.0 | 169719.4 | 220635220 | 221 | 0.5 |
| Q3 2008 | 81400 | 1800.0 | 308099.0 | 554578200 | 555 | 1.2 | 61280 | 630.0 | 231944.8 | 146125224 | 146 | 0.3 |
| Q4 2008 | 91320 | 1700.0 | 345646.2 | 587598540 | 588 | 1.3 | 55700 | 630.0 | 210824.5 | 132819435 | 133 | 0.3 |
| Q1 2009 | 90710 | 2200.0 | 343337.4 | 755342170 | 755 | 1.7 | 52970 | 950.0 | 200491.5 | 190466878 | 190 | 0.4 |
| Q2 2009 | 450040 | 1800.0 | 1703401.4 | 3.066E+09 | 3066 | 6.8 | 58050 | 410.0 | 219719.3 | 90084893 | 90 | 0.2 |
| Q3 2009 | 90420 | 2000.0 | 342239.7 | 684479400 | 684 | 1.5 | 57610 | 850.0 | 218053.9 | 185345773 | 185 | 0.4 |
| Q4 2009 | 322380 | 1800.0 | 1220208.3 | 2.196E+09 | 2196 | 4.8 | 61960 | 1100.0 | 234518.6 | 257970460 | 258 | 0.6 |
| Q1 2010 | 68125 | 1600.0 | 257853.1 | 412565000 | 413 | 0.9 | 61320 | 780.0 | 232096.2 | 181035036 | 181 | 0.4 |
| Q2 2010 | 84005.33 | 2100.0 | 317960.2 | 667716366 | 668 | 1.5 | 60500 | 1900.0 | 228992.5 | 435085750 | 435 | 1.0 |
| Q3 2010 | 79859.1 | 1900.0 | 302266.7 | 574306718 | 574 | 1.3 | 63850 | 2200.0 | 241672.3 | 531678950 | 532 | 1.2 |
| Q4 2010 | 90042.2 | 1500.0 | 340809.7 | 511214591 | 511 | 1.1 | 60180 | 970.0 | 227781.3 | 220947861 | 221 | 0.5 |
| Q1 2011 | 76247.6 | 1700.0 | 288597.2 | 490615182 | 491 | 1.1 | 55130 | 450.0 | 208667.1 | 93900173 | 94 | 0.2 |
| Q2 2011 | 85849.3 | 1700.0 | 324939.6 | 552397321 | 552 | 1.2 | 55800.6 | 1800.0 | 211205.3 | 380169488 | 380 | 0.8 |
| Q3 2011 | 85327.7 | 1700.0 | 322965.3 | 549041086 | 549 | 1.2 | 65618 | 720.0 | 248364.1 | 178822174 | 179 | 0.4 |
| Q4 2011 | 89735.0 | 1600.0 | 339647.0 | 543435160 | 543 | 1.2 | 50191.3 | 1800.0 | 189974.1 | 341953327 | 342 | 0.8 |
| Q1 2012 | 90376.4 | 1500.0 | 342074.7 | 513112011 | 513 | 1.1 | 31440.1 | 2400.0 | 119000.8 | 285601868 | 286 | 0.6 |
| Q2 2012 | 90916.5 | 1400.0 | 344118.8 | 481766269 | 482 | 1.1 | 26701.2 | 3000.0 | 101064.1 | 303192353 | 303 | 0.7 |
| Q3 2012 | 91607.0 | 1500.0 | 346732.5 | 520098743 | 520 | 1.1 | 25246 | 3100.0 | 95556.1 | 296223941 | 296 | 0.7 |
| Q4 2012 | 78840.0 | 1300.0 | 298409.4 | 387932220 | 388 | 0.9 | 30797 | 1200.0 | 116566.6 | 139879974 | 140 | 0.3 |
| Q1 2013 | 62943.7 | 1670.0 | 238241.9 | 397863981 | 398 | 0.9 | 22650.7 | 2120.0 | 85732.9 | 181753747 | 182 | 0.4 |
| Q2 2013 | 71187.3 | 1490.0 | 269443.9 | 401471456 | 401 | 0.9 | 25343.4 | 4030.0 | 95924.8 | 386576819 | 387 | 0.9 |
| Q3 2013 | 72898.8 | 1520.0 | 275922.0 | 419401376 | 419 | 0.9 | 25763 | 2940.0 | 97513.0 | 286688088 | 287 | 0.6 |
| Q4 2013 | 70340.4 | 1410.0 | 266238.4 | 375396164 | 375 | 0.8 | 24207.6 | 1410.0 | 91625.8 | 129192330 | 129 | 0.3 |
| Q1 2014 | 69833.8 | 1390.0 | 264320.9 | 367406097 | 367 | 0.8 | 23263.1 | 1400.0 | 88050.8 | 123271167 | 123 | 0.3 |
| Q2 2014 | 71934.9 | 1390.0 | 272273.6 | 378460299 | 378 | 0.8 | 23757.5 | 1960.0 | 89922.1 | 176247390 | 176 | 0.4 |
| Q3 2014 | 74788.2 | 1490.0 | 283073.3 | 421779272 | 422 | 0.9 | 24062.4 | 2120.0 | 91076.2 | 193081510 | 193 | 0.4 |
| Q4 2014 | 63093.0 | 1440.0 | 238807.0 | 343882087 | 344 | 0.8 | 21875.8 | 2090.0 | 82799.9 | 173051797 | 173 | 0.4 |
| Q1 2015 | 76454.3 | 1400.0 | 289379.5 | 405131336 | 405 | 0.9 | 24004.9 | 1980.0 | 90858.5 | 179899922 | 180 | 0.4 |
| Q2 2015 | 60714.7 | 1300.0 | 229805.1 | 298746681 | 299 | 0.7 | 27804.6 | 1980.0 | 105240.4 | 208376014 | 208 | 0.5 |
| Q3 2015 | 89520.8 | 1290.0 | 338836.2 | 437098734 | 437 | 1.0 | 21042.0 | 2350.0 | 79644.0 | 187163330 | 187 | 0.4 |
| Q4 2015 | 99633.4 | 1200.0 | 377112.4 | 452534903 | 453 | 1.0 | 19355.6 | 2680.0 | 73260.9 | 196339335 | 196 | 0.4 |
| Totals | 4747144.38 | | | | | 86.4 | 2428834.8 | | | | | 30.8 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-19 | | | | | | TW4-20 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | 6768986 | 2660 | 25620612.0 | 6.815E+10 | 68151 | 150.2 | 642290 | 16240 | 2431067.7 | 3.948E+10 | 39481 | 87.0 |
| Q2 2007 | 605400 | 8 | 2291439.0 | 18331512 | 18 | 0.0 | 163520 | 1800 | 618923.2 | 1.114E+09 | 1114 | 2.5 |
| Q3 2007 | 316080 | 1100 | 1196362.8 | 1.316E+09 | 1316 | 2.9 | 70360 | 5200 | 266312.6 | 1.385E+09 | 1385 | 3.1 |
| Q4 2007 | 334350 | 1100 | 1265514.8 | 1.392E+09 | 1392 | 3.1 | 63630 | 9000 | 240839.6 | 2.168E+09 | 2168 | 4.8 |
| Q1 2008 | 304784 | 1800 | 1153607.4 | 2.076E+09 | 2076 | 4.6 | 66520 | 13000 | 251778.2 | 3.273E+09 | 3273 | 7.2 |
| Q2 2008 | 380310 | 1000 | 1439473.4 | 1.439E+09 | 1439 | 3.2 | 39360 | 30000 | 148977.6 | 4.469E+09 | 4469 | 9.9 |
| Q3 2008 | 529020 | 3600 | 2002340.7 | 7.208E+09 | 7208 | 15.9 | 53260 | 21000 | 201589.1 | 4.233E+09 | 4233 | 9.3 |
| Q4 2008 | 589620 | 4200 | 2231711.7 | 9.373E+09 | 9373 | 20.7 | 50230 | 1000 | 190120.6 | 190120550 | 190 | 0.4 |
| Q1 2009 | 469100 | 1100 | 1775543.5 | 1.953E+09 | 1953 | 4.3 | 52050 | 8200 | 197009.3 | 1.615E+09 | 1615 | 3.6 |
| Q2 2009 | 450040 | 990 | 1703401.4 | 1.686E+09 | 1686 | 3.7 | 49270 | 6800 | 186487.0 | 1.268E+09 | 1268 | 2.8 |
| Q3 2009 | 200650 | 6600 | 759460.3 | 5.012E+09 | 5012 | 11.1 | 51030 | 13000 | 193148.6 | 2.511E+09 | 2511 | 5.5 |
| Q4 2009 | 454205 | 4700 | 1719165.9 | 8.08E+09 | 8080 | 17.8 | 208790 | 15000 | 790270.2 | 1.185E+10 | 11854 | 26.1 |
| Q1 2010 | 348550 | 940 | 1319261.8 | 1.24E+09 | 1240 | 2.7 | 14490 | 3500 | 54844.7 | 191956275 | 192 | 0.4 |
| Q2 2010 | 453340 | 1800 | 1715891.9 | 3.089E+09 | 3089 | 6.8 | 39014.86 | 18000 | 147671.2 | 2.658E+09 | 2658 | 5.9 |
| Q3 2010 | 116899.2 | 2000 | 442463.5 | 884926944 | 885 | 2.0 | 39098.3 | 15000 | 147987.1 | 2.22E+09 | 2220 | 4.9 |
| Q4 2010 | 767970.5 | 1200 | 2906768.3 | 3.488E+09 | 3488 | 7.7 | 36752.5 | 24000 | 139108.2 | 3.339E+09 | 3339 | 7.4 |
| Q1 2011 | 454607.9 | 3400 | 1720690.9 | 5.85E+09 | 5850 | 12.9 | 37187.5 | 31000 | 140754.7 | 4.363E+09 | 4363 | 9.6 |
| Q2 2011 | 159238.9 | 4000 | 602719.2 | 2.411E+09 | 2411 | 5.3 | 67907.7 | 8100 | 257030.6 | 2.082E+09 | 2082 | 4.6 |
| Q3 2011 | 141542.6 | 970 | 535738.7 | 519666579 | 520 | 1.1 | 72311.2 | 6800 | 273697.9 | 1.861E+09 | 1861 | 4.1 |
| Q4 2011 | 147647.2 | 2200 | 558844.7 | 1.229E+09 | 1229 | 2.7 | 72089.3 | 7900 | 272858.0 | 2.156E+09 | 2156 | 4.8 |
| Q1 2012 | 148747 | 650 | 563007.4 | 365954807 | 366 | 0.8 | 76306 | 11000 | 288818.2 | 3.177E+09 | 3177 | 7.0 |
| Q2 2012 | 172082.03 | 460 | 651330.5 | 299612022 | 300 | 0.7 | 22956.43 | 36000 | 86890.1 | 3.128E+09 | 3128 | 6.9 |
| Q3 2012 | 171345 | 950 | 648540.8 | 616113784 | 616 | 1.4 | 22025 | 13000 | 83364.6 | 1.084E+09 | 1084 | 2.4 |
| Q4 2012 | 156653 | 1500 | 592931.6 | 889397408 | 889 | 2.0 | 20114 | 19000 | 76131.5 | 1.446E+09 | 1446 | 3.2 |
| Q1 2013 | 210908 | 4210 | 798286.8 | 3.361E+09 | 3361 | 7.4 | 18177 | 18500 | 68799.9 | 1.273E+09 | 1273 | 2.8 |
| Q2 2013 | 226224 | 2070 | 856257.8 | 1.772E+09 | 1772 | 3.9 | 20252.4 | 26300 | 76655.3 | 2.016E+09 | 2016 | 4.4 |
| Q3 2013 | 329460.1 | 8100 | 1247006.5 | 1.01E+10 | 10101 | 22.3 | 19731 | 26800 | 74681.8 | 2.001E+09 | 2001 | 4.4 |
| Q4 2013 | 403974 | 942 | 1529041.6 | 1.44E+09 | 1440 | 3.2 | 19280.2 | 15700 | 72975.6 | 1.146E+09 | 1146 | 2.5 |
| Q1 2014 | 304851 | 586 | 1153861.0 | 676162567 | 676 | 1.5 | 18781.6 | 17800 | 71088.4 | 1.265E+09 | 1265 | 2.8 |
| Q2 2014 | 297660.0 | 810 | 1126643.1 | 912580911 | 913 | 2.0 | 18462.4 | 22100 | 69880.2 | 1.544E+09 | 1544 | 3.4 |
| Q3 2014 | 309742.0 | 1410 | 1172373.5 | 1.653E+09 | 1653 | 3.6 | 17237.9 | 12400 | 65245.5 | 809043599 | 809 | 1.8 |
| Q4 2014 | 198331.0 | 4310 | 750682.8 | 3.235E+09 | 3235 | 7.1 | 16341.8 | 23300 | 61853.7 | 1.441E+09 | 1441 | 3.2 |
| Q1 2015 | 60553.0 | 4660 | 229193.1 | 1.068E+09 | 1068 | 2.4 | 15744.7 | 19900 | 59593.7 | 1.186E+09 | 1186 | 2.6 |
| Q2 2015 | 75102.8 | 1570 | 284264.1 | 446294634 | 446 | 1.0 | 18754.1 | 17600 | 70984.3 | 1.249E+09 | 1249 | 2.8 |
| Q3 2015 | 116503.9 | 7860 | 440967.3 | 3.466E+09 | 3466 | 7.6 | 17657.3 | 17000 | 66832.9 | 1.136E+09 | 1136 | 2.5 |
| Q4 2015 | 112762.7 | 7840 | 426806.8 | 3.346E+09 | 3346 | 7.4 | 15547.4 | 17000 | 58846.9 | 1E+09 | 1000 | 2.2 |
| Totals | 17287240.83 | | | | | 352.9 | 2246530.59 | | | | | 258.7 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-4 | | | | | | TW4-22 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2010 | 84513.9 | 2000.0 | 319885.1 | 6.4E+08 | 640 | 1.4 | NA | NA | NA | NA | NA | NA |
| Q3 2010 | 76916.8 | 2100.0 | 291130.1 | 6.1E+08 | 611 | 1.3 | NA | NA | NA | NA | NA | NA |
| Q4 2010 | 86872.1 | 1700.0 | 328810.9 | 5.6E+08 | 559 | 1.2 | NA | NA | NA | NA | NA | NA |
| Q1 2011 | 73360.0 | 1800.0 | 277667.6 | 5.0E+08 | 500 | 1.1 | NA | NA | NA | NA | NA | NA |
| Q2 2011 | 80334.6 | 1700.0 | 304066.5 | 5.2E+08 | 517 | 1.1 | NA | NA | NA | NA | NA | NA |
| Q3 2011 | 97535.0 | 1500.0 | 369170.0 | 5.5E+08 | 554 | 1.2 | NA | NA | NA | NA | NA | NA |
| Q4 2011 | 109043.5 | 1500.0 | 412729.6 | 6.2E+08 | 619 | 1.4 | NA | NA | NA | NA | NA | NA |
| Q1 2012 | 101616.8 | 1200.0 | 384619.6 | 4.6E+08 | 462 | 1.0 | NA | NA | NA | NA | NA | NA |
| Q2 2012 | 87759.1 | 1500.0 | 332168.2 | 5.0E+08 | 498 | 1.1 | NA | NA | NA | NA | NA | NA |
| Q3 2012 | 80006.0 | 1600.0 | 302822.7 | 4.8E+08 | 485 | 1.1 | NA | NA | NA | NA | NA | NA |
| Q4 2012 | 71596 | 1400.0 | 270990.9 | 3.8E+08 | 379 | 0.8 | NA | NA | NA | NA | NA | NA |
| Q1 2013 | 58716.8 | 1460.0 | 222243.1 | 3.2E+08 | 324 | 0.7 | 16677.4 | 10600.0 | 63124.0 | 669113965.4 | 669.1 | 1.5 |
| Q2 2013 | 65603.4 | 1330.0 | 248308.9 | 3.3E+08 | 330 | 0.7 | 25523.2 | 12500.0 | 96605.3 | 1207566400.0 | 1207.6 | 2.7 |
| Q3 2013 | 63515.4 | 1380.0 | 240405.8 | 3.3E+08 | 332 | 0.7 | 25592.9 | 9640.0 | 96869.1 | 933818379.5 | 933.8 | 2.1 |
| Q4 2013 | 60233.6 | 1360.0 | 227984.2 | 3.1E+08 | 310 | 0.7 | 24952.2 | 13300.0 | 94444.1 | 1256106224.1 | 1256.1 | 2.8 |
| Q1 2014 | 58992.9 | 1260.0 | 223288.1 | 2.8E+08 | 281 | 0.6 | 24532.0 | 12100.0 | 92853.6 | 1123528802.0 | 1123.5 | 2.5 |
| Q2 2014 | 60235.3 | 1220.0 | 227990.6 | 2.8E+08 | 278 | 0.6 | 24193.9 | 12400.0 | 91573.9 | 1135516502.6 | 1135.5 | 2.5 |
| Q3 2014 | 69229.4 | 1320.0 | 262033.3 | 3.5E+08 | 346 | 0.8 | 24610.9 | 12400.0 | 93152.3 | 1155087980.6 | 1155.1 | 2.5 |
| Q4 2014 | 64422.6 | 1130.0 | 243839.5 | 2.8E+08 | 276 | 0.6 | 23956.9 | 12400.0 | 90676.9 | 1124393144.6 | 1124.4 | 2.5 |
| Q1 2015 | 36941.3 | 1350.0 | 139822.8 | 1.9E+08 | 189 | 0.4 | 22046.9 | 12700.0 | 83447.5 | 1059783459.6 | 1059.8 | 2.3 |
| Q2 2015 | 68162.8 | 1280.0 | 257996.2 | 3.3E+08 | 330 | 0.7 | 23191.6 | 8050.0 | 87780.2 | 706630658.3 | 706.6 | 1.6 |
| Q3 2015 | 64333.0 | 1220.0 | 243500.4 | 3.0E+08 | 297 | 0.7 | 24619.9 | 7810.0 | 93186.3 | 727785170.9 | 727.8 | 1.6 |
| Q4 2015 | 59235.1 | 1190.0 | 224204.9 | 2.7E+08 | 267 | 0.6 | 23657.6 | 7530.0 | 89544.0 | 674266440.5 | 674.3 | 1.5 |
| Totals | 1679175.4 | | | | | 20.7 | 283555.4 | | | | | 26.0 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-24 | | | | | | TW4-25 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2013 | 144842.6 | 5.7 | 548229.2 | 3124906.7 | 3.1 | 0.0 | 99369.9 | 0.0 | 376115.1 | 0.0 | 0.0 | 0.0 |
| Q2 2013 | 187509.3 | 17.4 | 709722.7 | 12349175.0 | 12.3 | 0.0 | 147310.4 | 0.0 | 557569.9 | 0.0 | 0.0 | 0.0 |
| Q3 2013 | 267703.5 | 21.8 | 1013257.7 | 22089018.9 | 22.1 | 0.1 | 145840.9 | 0.0 | 552007.8 | 0.0 | 0.0 | 0.0 |
| Q4 2013 | 260555.3 | 32.5 | 986201.8 | 32051558.8 | 32.1 | 0.1 | 126576.5 | 0.0 | 479092.1 | 0.0 | 0.0 | 0.0 |
| Q1 2014 | 229063.9 | 78.5 | 867006.9 | 68060038.6 | 68.1 | 0.2 | 129979.2 | 0.0 | 491971.3 | 0.0 | 0.0 | 0.0 |
| Q2 2014 | 216984.1 | 62.7 | 821284.8 | 51494558.1 | 51.5 | 0.1 | 124829.8 | 0.0 | 472480.8 | 0.0 | 0.0 | 0.0 |
| Q3 2014 | 213652.5 | 76.3 | 808674.7 | 61701880.6 | 61.7 | 0.1 | 119663.9 | 0.0 | 452927.9 | 0.0 | 0.0 | 0.0 |
| Q4 2014 | 178468.7 | 25.8 | 675504.0 | 17428004.0 | 17.4 | 0.04 | 107416.1 | 0.0 | 406569.9 | 0.0 | 0.0 | 0.0 |
| Q1 2015 | 92449.3 | 49.2 | 349920.6 | 17216093.5 | 17.2 | 0.04 | 71452.4 | 0.0 | 270447.3 | 0.0 | 0.0 | 0.0 |
| Q2 2015 | 62664.2 | 4.28 | 237184.0 | 1015147.5 | 1.0 | 0.002 | 91985.3 | 0.0 | 348164.4 | 0.0 | 0.0 | 0.0 |
| Q3 2015 | 66313.2 | 46.90 | 250995.5 | 11771687.2 | 11.8 | 0.026 | 124137.1 | 0.0 | 469858.9 | 0.0 | 0.0 | 0.0 |
| Q4 2015 | 107799.1 | 25.30 | 408019.6 | 10322895.7 | 10.3 | 0.023 | 116420.1 | 0.0 | 440650.1 | 0.0 | 0.0 | 0.0 |
| Totals | 2028005.7 | | | | | 0.73 | 1404981.6 | | | | | 0.0 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-01 | | | | | | TW4-02 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2015 | 24569.2 | 1130.0 | 92994.4 | 105083696.9 | 105.1 | 0.23 | 24156.7 | 1840.0 | 91433.1 | 168236921.5 | 168.2 | 0.37 |
| Q2 2015 | 23989.9 | 1260.0 | 90801.8 | 114410232.1 | 114.4 | 0.25 | 22029.9 | 1650.0 | 83383.2 | 137582233.0 | 137.6 | 0.30 |
| Q3 2015 | 23652.0 | 1060.0 | 89522.8 | 94894189.2 | 94.9 | 0.21 | 21586.9 | 1310.0 | 81706.4 | 107035405.6 | 107.0 | 0.24 |
| Q4 2015 | 20764.3 | 1040.0 | 78592.9 | 81736590.5 | 81.7 | 0.18 | 21769.8 | 2070.0 | 82398.7 | 170565294.5 | 170.6 | 0.38 |
| Totals | 92975.4 | | | | | 0.87 | 89543.3 | | | | | 1.3 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-11 | | | | | | TW4-21 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) |
| Q1 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2007 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2008 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2009 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2010 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2011 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2012 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2013 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q2 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q3 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q4 2014 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Q1 2015 | 9898.7 | 2450.0 | 37466.6 | 91793119.8 | 91.8 | 0.20 | NA | NA | NA | NA | NA | NA |
| Q2 2015 | 5243.3 | 2710.0 | 19845.9 | 53782363.3 | 53.8 | 0.12 | 30743.7 | 366.0 | 116364.9 | 42589555.0 | 42.6 | 0.09 |
| Q3 2015 | 3584.4 | 1120.0 | 13567.0 | 15194988.5 | 15.2 | 0.03 | 125285.4 | 281.0 | 474205.2 | 133251672.2 | 133.3 | 0.29 |
| Q4 2015 | 4110.3 | 2730.0 | 15557.5 | 42471935.4 | 42.5 | 0.09 | 134774.9 | 339.0 | 510123.0 | 172931695.8 | 172.9 | 0.38 |
| Totals | 22836.7 | | | | | 0.45 | 290804.0 | | | | | 0.77 |

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

| | TW4-37 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Quarter | Total Pumped (gal) | Conc | Total Pumped (liters) | Total (ug) | Total (grams) | Total (pounds) | Total (pounds) | Total Volume Pumped (gallons) |
| Q1 2007 | NA | NA | NA | NA | NA | NA | 286.9 | 9648896.0 |
| Q2 2007 | NA | NA | NA | NA | NA | NA | 4.0 | 904550.0 |
| Q3 2007 | NA | NA | NA | NA | NA | NA | 9.0 | 559220.0 |
| Q4 2007 | NA | NA | NA | NA | NA | NA | 10.6 | 550560.0 |
| Q1 2008 | NA | NA | NA | NA | NA | NA | 13.8 | 503034.0 |
| Q2 2008 | NA | NA | NA | NA | NA | NA | 14.8 | 527290.0 |
| Q3 2008 | NA | NA | NA | NA | NA | NA | 26.8 | 724960.0 |
| Q4 2008 | NA | NA | NA | NA | NA | NA | 22.7 | 786870.0 |
| Q1 2009 | NA | NA | NA | NA | NA | NA | 10.0 | 664830.0 |
| Q2 2009 | NA | NA | NA | NA | NA | NA | 13.5 | 1007400.0 |
| Q3 2009 | NA | NA | NA | NA | NA | NA | 18.5 | 399710.0 |
| Q4 2009 | NA | NA | NA | NA | NA | NA | 49.4 | 1047335.0 |
| Q1 2010 | NA | NA | NA | NA | NA | NA | 4.5 | 492485.0 |
| Q2 2010 | NA | NA | NA | NA | NA | NA | 16.5 | 721374.1 |
| Q3 2010 | NA | NA | NA | NA | NA | NA | 10.6 | 376623.4 |
| Q4 2010 | NA | NA | NA | NA | NA | NA | 17.9 | 1041817.3 |
| Q1 2011 | NA | NA | NA | NA | NA | NA | 24.9 | 696533.0 |
| Q2 2011 | NA | NA | NA | NA | NA | NA | 13.1 | 449131.1 |
| Q3 2011 | NA | NA | NA | NA | NA | NA | 8.1 | 462334.5 |
| Q4 2011 | NA | NA | NA | NA | NA | NA | 10.8 | 468706.3 |
| Q1 2012 | NA | NA | NA | NA | NA | NA | 10.6 | 448486.3 |
| Q2 2012 | NA | NA | NA | NA | NA | NA | 10.4 | 400415.2 |
| Q3 2012 | NA | NA | NA | NA | NA | NA | 6.6 | 390229.0 |
| Q4 2012 | NA | NA | NA | NA | NA | NA | 7.1 | 358000.0 |
| Q1 2013 | NA | NA | NA | NA | NA | NA | 13.7 | 634286.1 |
| Q2 2013 | NA | NA | NA | NA | NA | NA | 13.5 | 768953.4 |
| Q3 2013 | NA | NA | NA | NA | NA | NA | 31.1 | 950505.6 |
| Q4 2013 | NA | NA | NA | NA | NA | NA | 10.3 | 990119.8 |
| Q1 2014 | NA | NA | NA | NA | NA | NA | 8.6 | 859297.5 |
| Q2 2014 | NA | NA | NA | NA | NA | NA | 9.9 | 838057.9 |
| Q3 2014 | NA | NA | NA | NA | NA | NA | 10.2 | 852987.2 |
| Q4 2014 | NA | NA | NA | NA | NA | NA | 14.6 | 673905.9 |
| Q1 2015 | NA | NA | NA | NA | NA | NA | 9.9 | 458271.4 |
| Q2 2015 | 29206.0 | 30200.0 | 110544.7 | 3338450242.0 | 3338.5 | 7.4 | 15.3 | 539592.9 |
| Q3 2015 | 118063.9 | 19100.0 | 446871.9 | 8535252554.7 | 8535.3 | 18.8 | 33.4 | 816299.8 |
| Q4 2015 | 111737.5 | 19500.0 | 422926.4 | 8247065531.3 | 8247.1 | 18.2 | 32.3 | 847567.8 |
| Totals | 259007.4 | | | | | 44.4 | 823.8 | 32860635.5 |

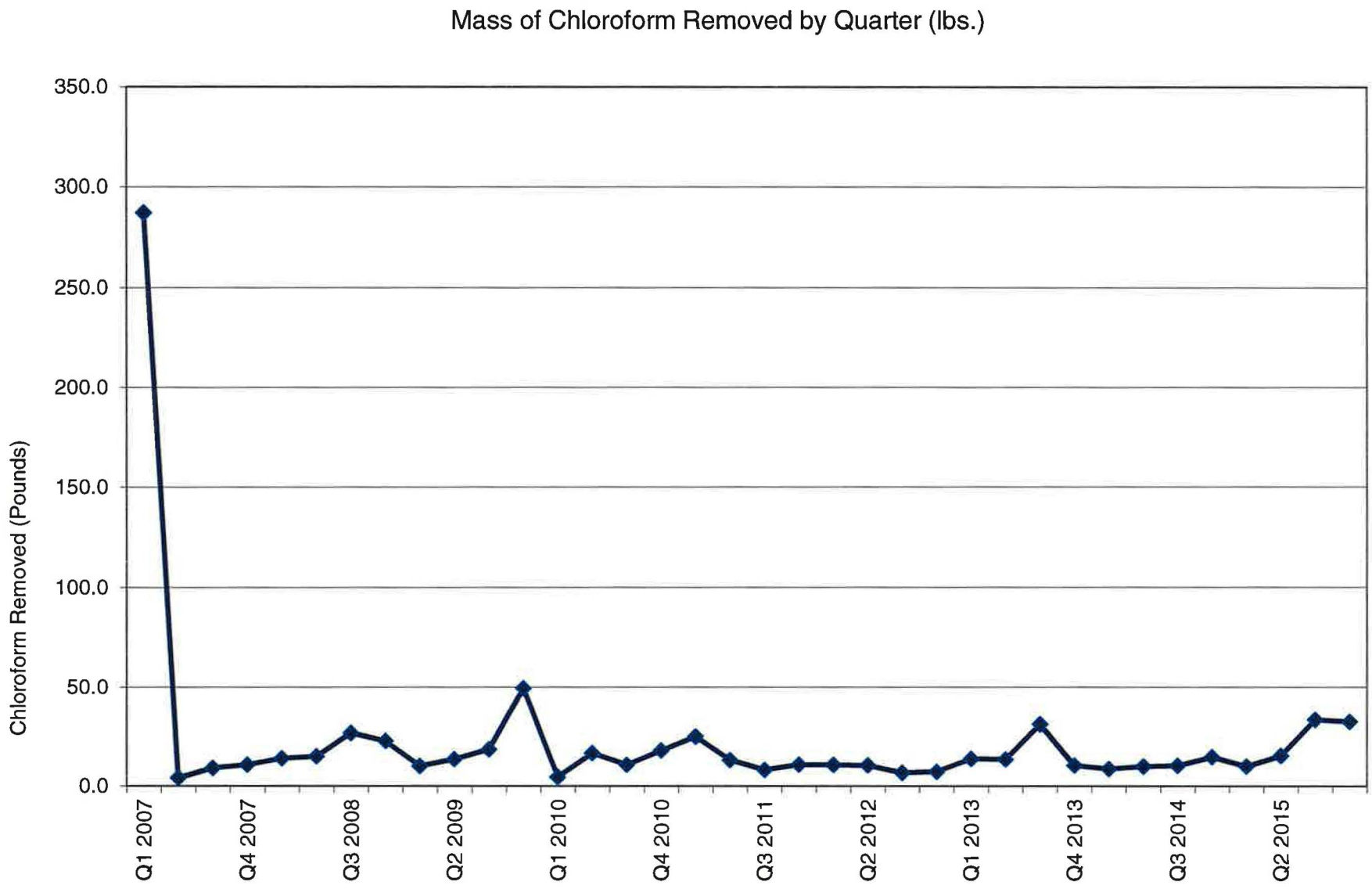
**Table G-2**
**Chloroform Mass Removal Per Well Per Quarter**

| Quarter* | MW-4 (lbs.) | TW4-15 (MW-26) (lbs.) | TW4-19 (lbs.) | TW4-20 (lbs.) | TW4-4 (lbs.) | TW4-22 (lbs.) | TW4-24 (lbs.) | TW4-25 (lbs.) | TW4-01 (lbs.) | TW4-02 (lbs.) | TW4-11 (lbs.) | TW4-21 (lbs.) | TW4-37 (lbs.) | Quarter Totals (lbs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Q1 2007 | 36.8 | 12.9 | 150.2 | 87.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 286.9 |
| Q2 2007 | 1.4 | 0.1 | 0.0 | 2.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.0 |
| Q3 2007 | 2.2 | 0.8 | 2.9 | 3.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 9.0 |
| Q4 2007 | 1.7 | 1.0 | 3.1 | 4.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 10.6 |
| Q1 2008 | 1.7 | 0.4 | 4.6 | 7.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 13.8 |
| Q2 2008 | 1.3 | 0.5 | 3.2 | 9.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 14.8 |
| Q3 2008 | 1.2 | 0.3 | 15.9 | 9.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 26.8 |
| Q4 2008 | 1.3 | 0.3 | 20.7 | 0.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 22.7 |
| Q1 2009 | 1.7 | 0.4 | 4.3 | 3.6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 10.0 |
| Q2 2009 | 6.8 | 0.2 | 3.7 | 2.8 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 13.5 |
| Q3 2009 | 1.5 | 0.4 | 11.1 | 5.5 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 18.5 |
| Q4 2009 | 4.8 | 0.6 | 17.8 | 26.1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 49.4 |
| Q1 2010 | 0.9 | 0.4 | 2.7 | 0.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | 4.5 |
| Q2 2010 | 1.5 | 1.0 | 6.8 | 5.9 | 1.4 | NA | NA | NA | NA | NA | NA | NA | NA | 16.5 |
| Q3 2010 | 1.3 | 1.2 | 2.0 | 4.9 | 1.3 | NA | NA | NA | NA | NA | NA | NA | NA | 10.6 |
| Q4 2010 | 1.1 | 0.5 | 7.7 | 7.4 | 1.2 | NA | NA | NA | NA | NA | NA | NA | NA | 17.9 |
| Q1 2011 | 1.1 | 0.2 | 12.9 | 9.6 | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | 24.9 |
| Q2 2011 | 1.2 | 0.8 | 5.3 | 4.6 | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | 13.1 |
| Q3 2011 | 1.2 | 0.4 | 1.1 | 4.1 | 1.2 | NA | NA | NA | NA | NA | NA | NA | NA | 8.1 |
| Q4 2011 | 1.2 | 0.8 | 2.7 | 4.8 | 1.4 | NA | NA | NA | NA | NA | NA | NA | NA | 10.8 |
| Q1 2012 | 1.1 | 0.6 | 0.8 | 7.0 | 1.0 | NA | NA | NA | NA | NA | NA | NA | NA | 10.6 |
| Q2 2012 | 1.1 | 0.7 | 0.7 | 6.9 | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | 10.4 |
| Q3 2012 | 1.1 | 0.7 | 1.4 | 2.4 | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | 6.6 |
| Q4 2012 | 0.9 | 0.3 | 2.0 | 3.2 | 0.8 | NA | NA | NA | NA | NA | NA | NA | NA | 7.2 |
| Q1 2013 | 0.9 | 0.4 | 7.4 | 2.8 | 0.7 | 1.5 | 0.0 | 0.0 | NA | NA | NA | NA | NA | 13.7 |
| Q2 2013 | 0.9 | 0.9 | 3.9 | 4.4 | 0.7 | 2.7 | 0.0 | 0.0 | NA | NA | NA | NA | NA | 13.5 |
| Q3 2013 | 0.9 | 0.6 | 22.3 | 4.4 | 0.7 | 2.1 | 0.1 | 0.0 | NA | NA | NA | NA | NA | 31.1 |
| Q4 2013 | 0.8 | 0.3 | 3.2 | 2.5 | 0.7 | 2.8 | 0.1 | 0.0 | NA | NA | NA | NA | NA | 10.3 |
| Q1 2014 | 0.8 | 0.3 | 1.5 | 2.8 | 0.6 | 2.5 | 0.2 | 0.0 | NA | NA | NA | NA | NA | 8.6 |
| Q2 2014 | 0.8 | 0.4 | 2.0 | 3.4 | 0.6 | 2.5 | 0.1 | 0.0 | NA | NA | NA | NA | NA | 9.9 |
| Q3 2014 | 0.9 | 0.4 | 3.6 | 1.8 | 0.8 | 2.5 | 0.1 | 0.0 | NA | NA | NA | NA | NA | 10.2 |
| Q4 2014 | 0.8 | 0.4 | 7.1 | 3.2 | 0.6 | 2.5 | 0.04 | 0.0 | NA | NA | NA | NA | NA | 14.6 |
| Q1 2015 | 0.9 | 0.4 | 2.4 | 2.6 | 0.4 | 2.3 | 0.04 | 0.0 | 0.23 | 0.37 | 0.20 | NA | NA | 9.9 |
| Q2 2015 | 0.7 | 0.5 | 1.0 | 2.8 | 0.7 | 1.6 | 0.00 | 0.0 | 0.25 | 0.30 | 0.12 | 0.09 | 7.4 | 15.3 |
| Q3 2015 | 1.0 | 0.4 | 7.6 | 2.5 | 0.7 | 1.6 | 0.03 | 0.0 | 0.21 | 0.24 | 0.03 | 0.29 | 18.8 | 33.4 |
| Q4 2015 | 1.0 | 0.4 | 7.4 | 2.2 | 0.6 | 1.5 | 0.02 | 0.0 | 0.18 | 0.38 | 0.09 | 0.38 | 18.2 | 32.3 |
| **Well Totals** | 86.4 | 30.8 | 352.9 | 258.7 | 20.7 | 26.0 | 0.73 | 0.00 | 0.87 | 1.29 | 0.45 | 0.77 | 44.4 | **823.8** |

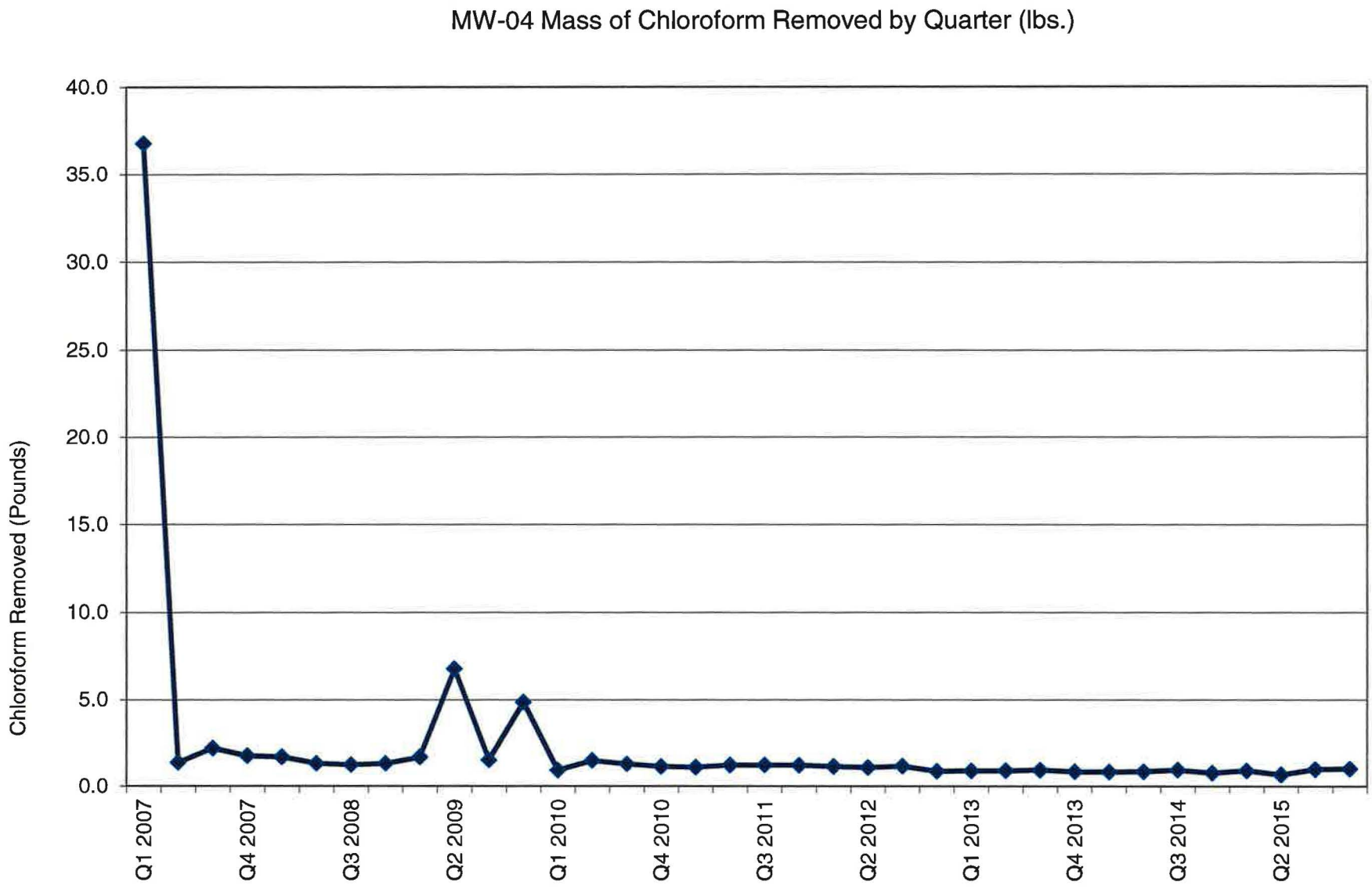
* Q1 2007 represents the cumulative total prior to and including Q1 2007.

## Table G-3 Well Pumping Rates and Volumes

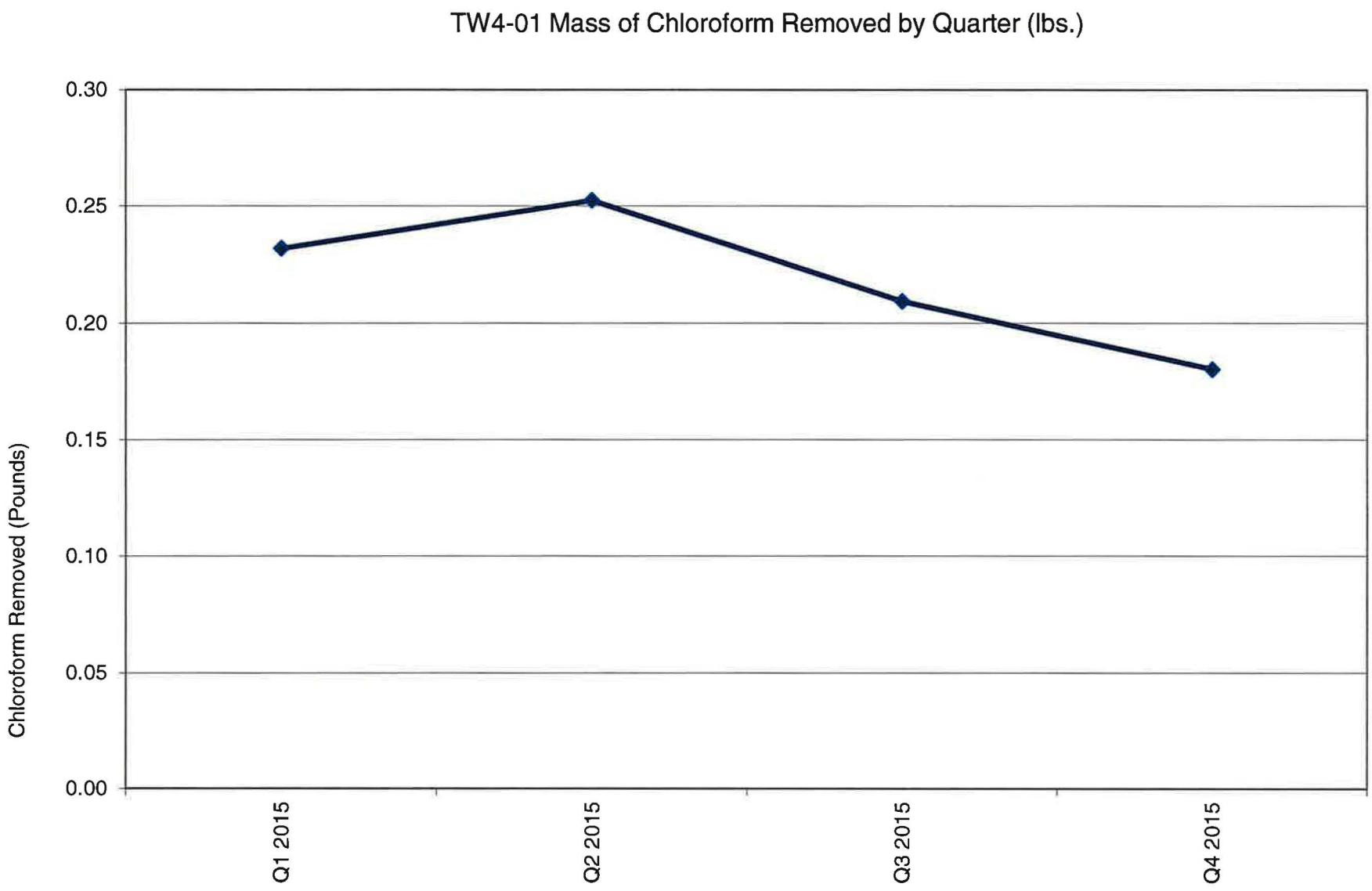
| Pumping Well Name | Volume of Water Pumped During the Quarter (gals) | Average Pump Rate (gpm) |
|---|---|---|
| MW-4 | 99,633.4 | 4.5 |
| MW-26 | 19,355.6 | 8.1 |
| TW4-4 | 59,235.1 | 10.8 |
| TW4-19 | 112,762.7 | 17.8 |
| TW4-20 | 15,547.4 | 7.8 |
| TW4-22 | 23,657.6 | 17.0 |
| TW4-24 | 107,799.1 | 16.2 |
| TW4-25 | 116,420.1 | 15.3 |
| TWN-2 | 46,754.1 | 18.4 |
| TW4-01 | 20,764.3 | 15.9 |
| TW4-02 | 21,769.8 | 16.4 |
| TW4-11 | 4,110.3 | 16.1 |
| TW4-21 | 134,774.9 | 16.2 |
| TW4-37 | 111,737.5 | 16.3 |

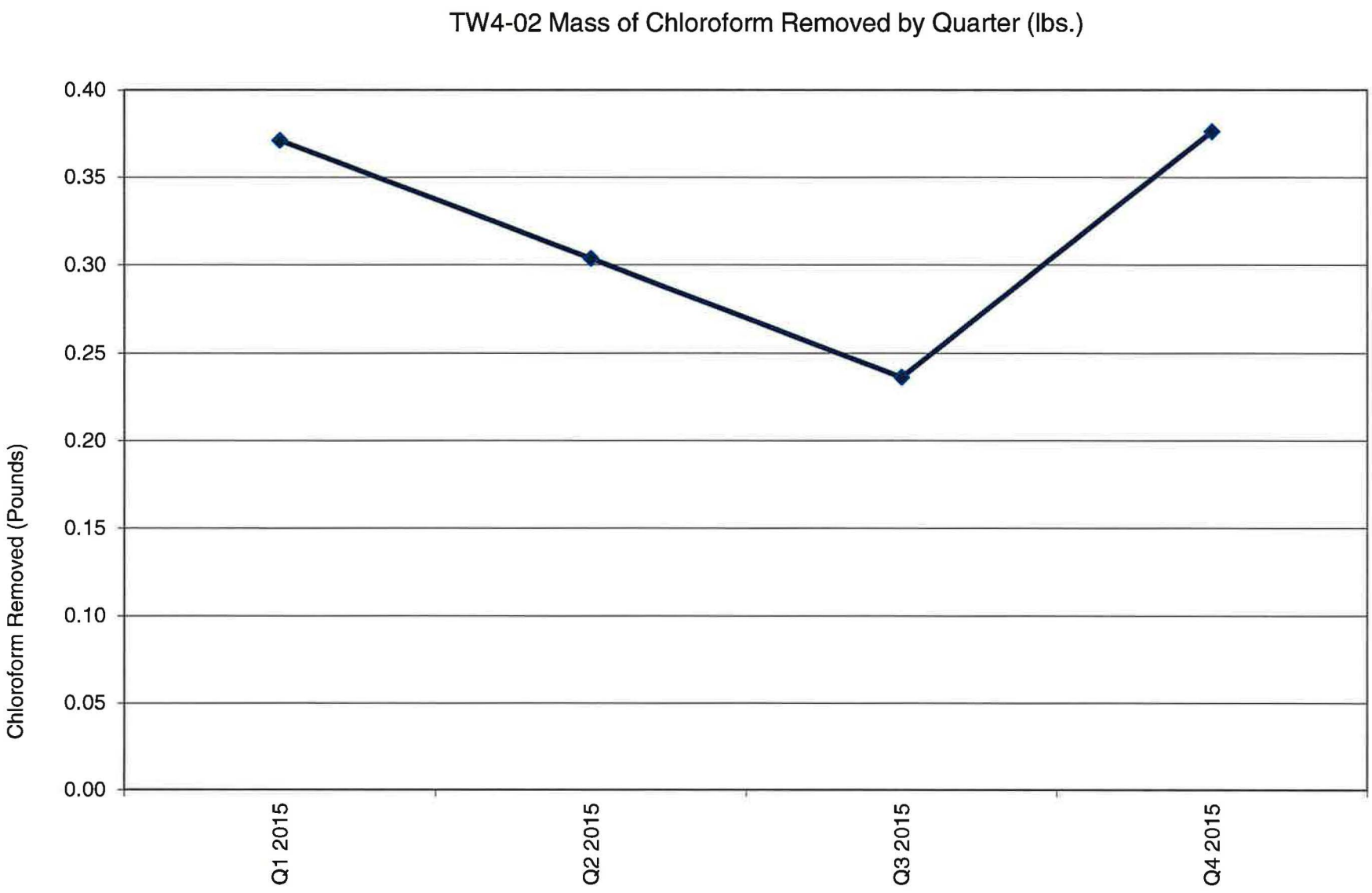


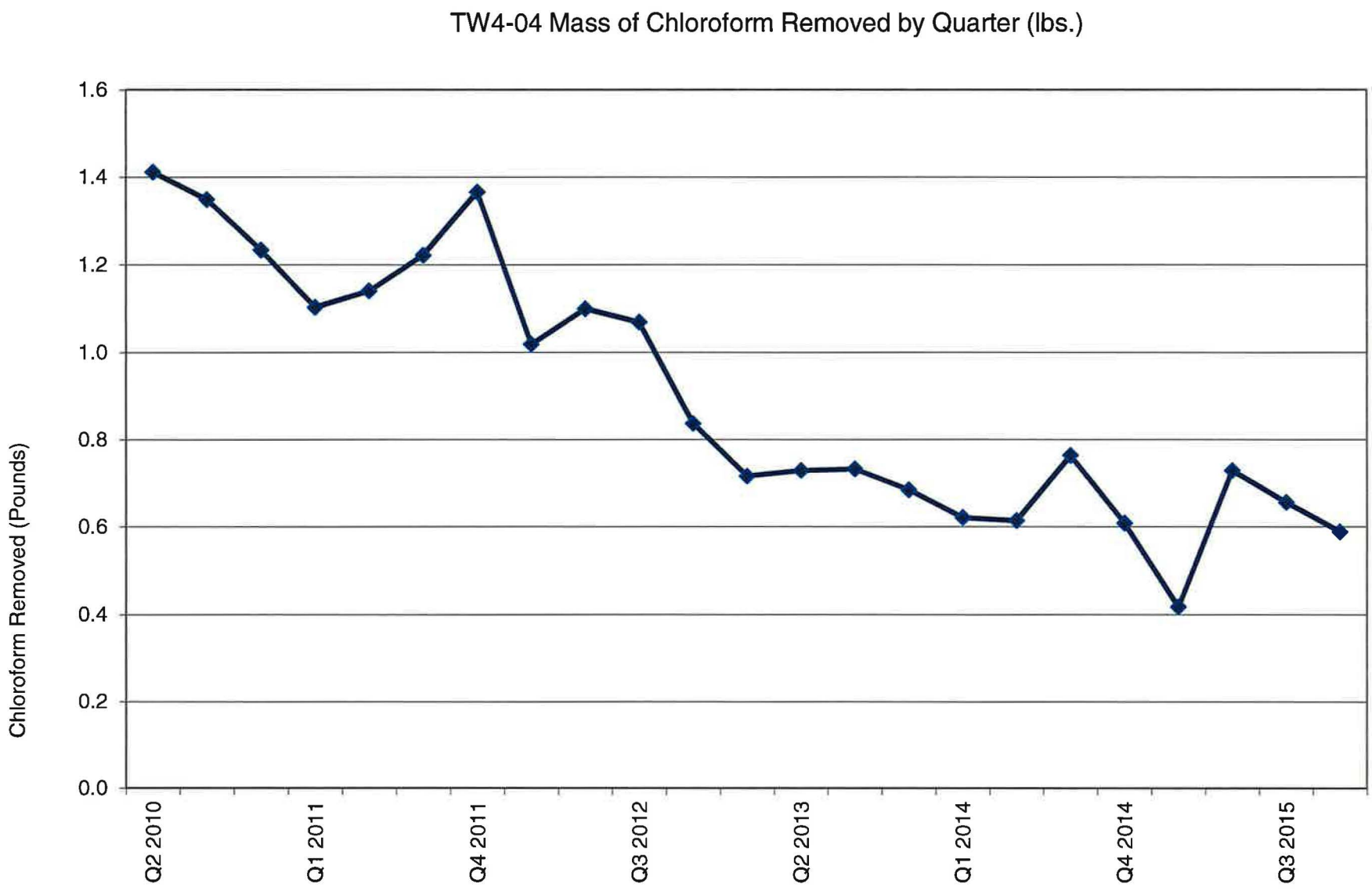

Q1 2007 represents the cumulative total prior to and including Q1 2007.

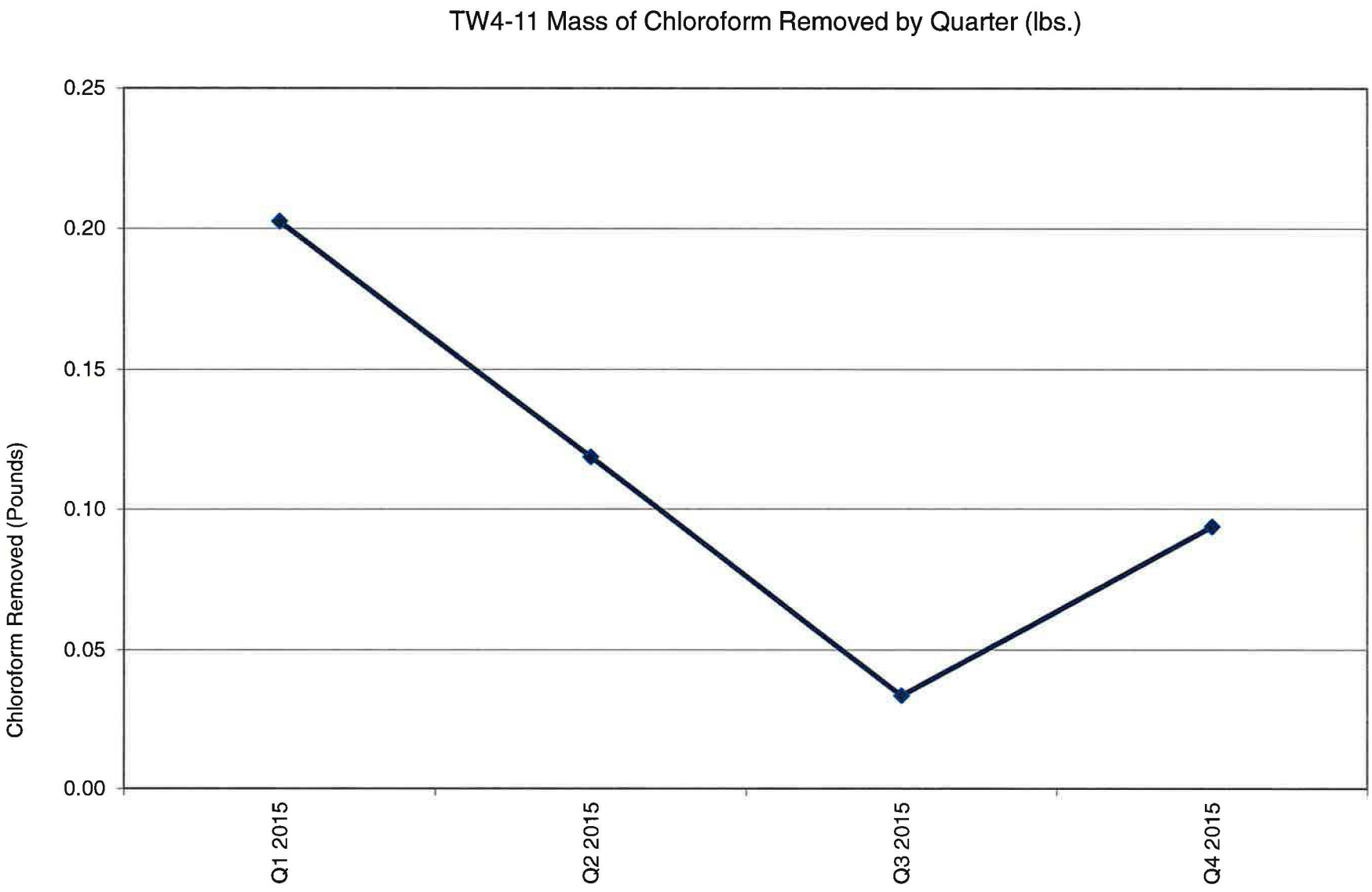


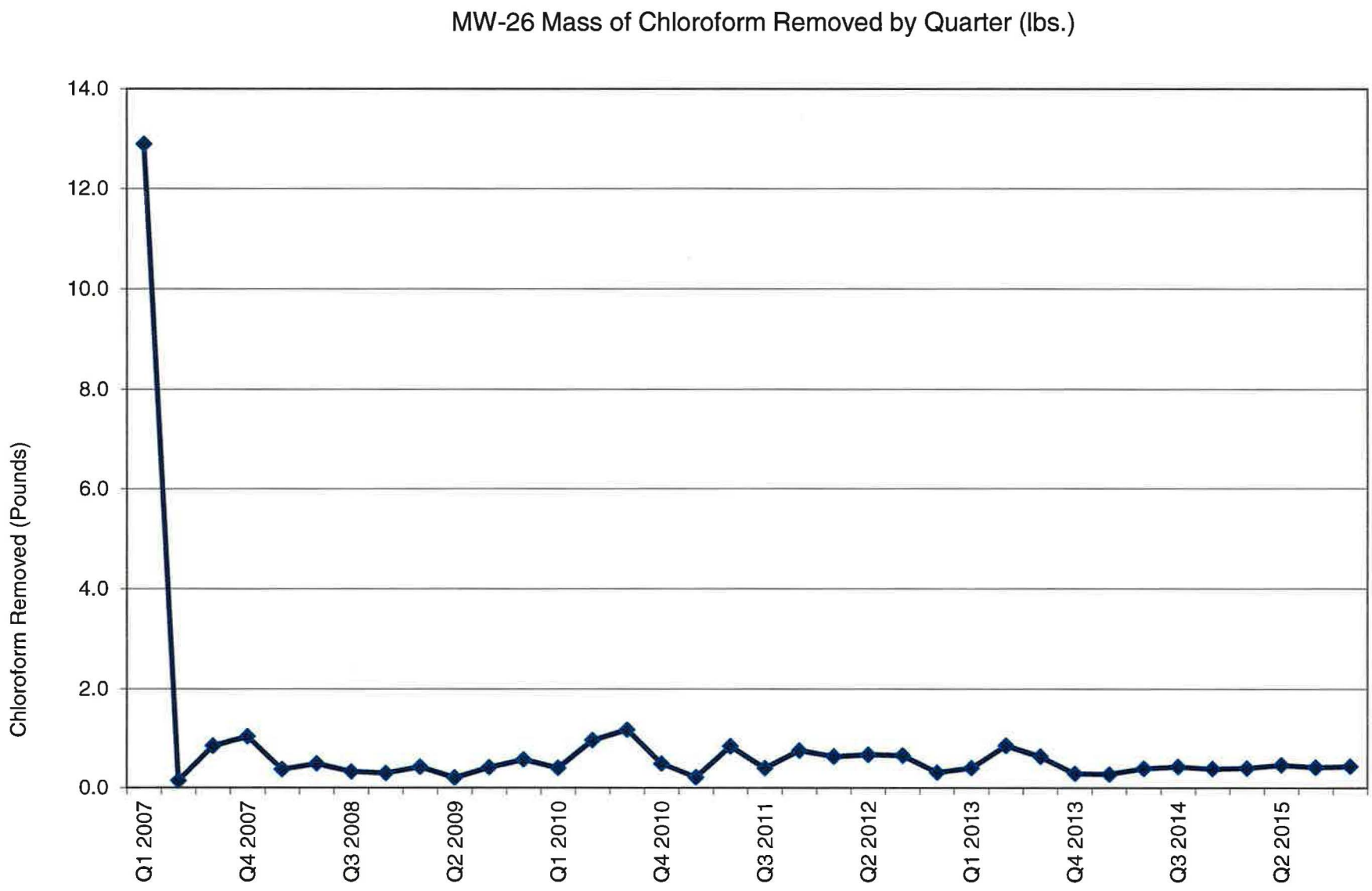

Q1 2007 represents the cumulative total prior to and including Q1 2007.


TW4-01 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015

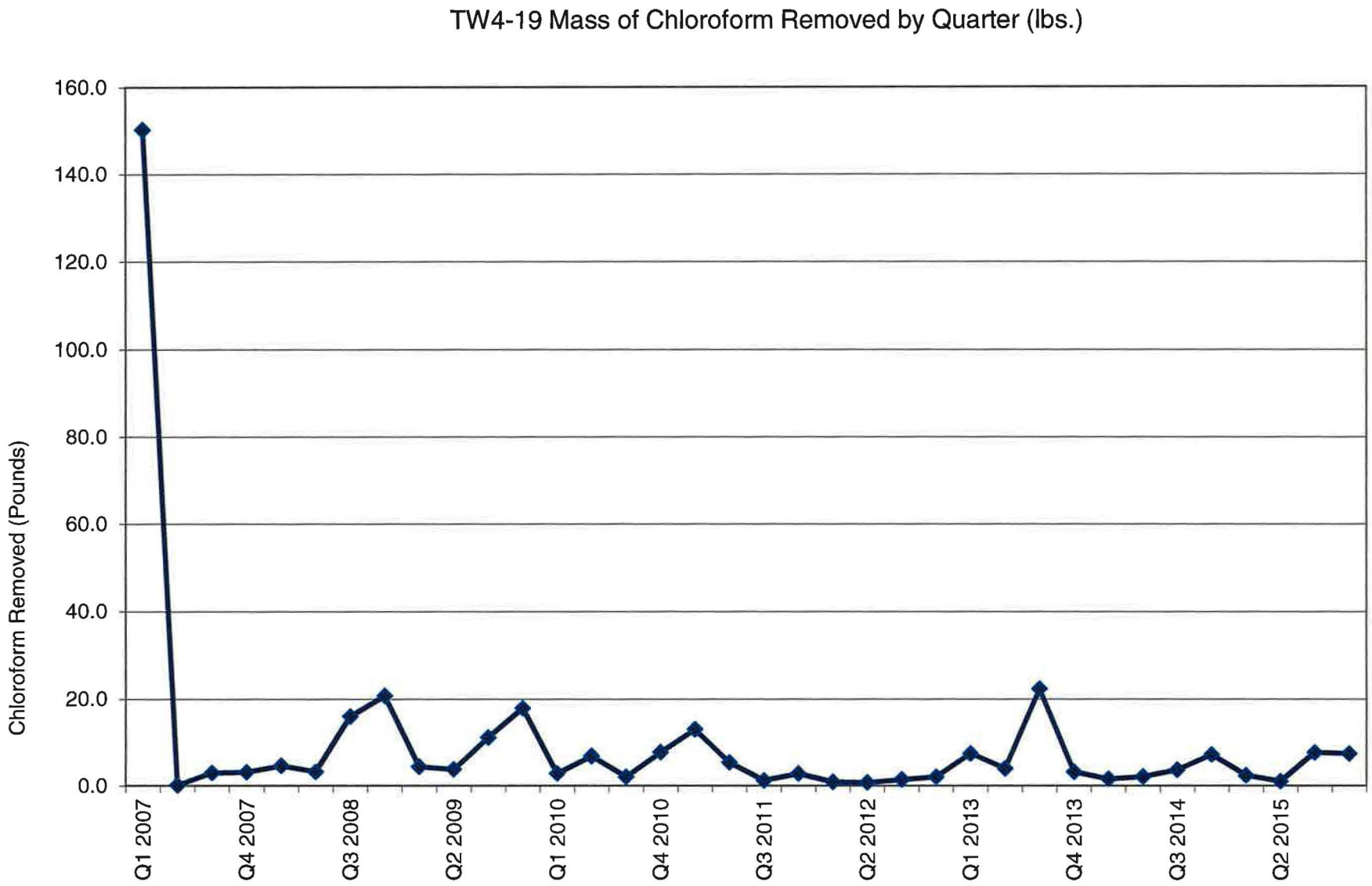

TW4-02 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015


TW4-04 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Q2 2010
Q1 2011
Q4 2011
Q3 2012
Q2 2013
Q1 2014
Q4 2014
Q3 2015

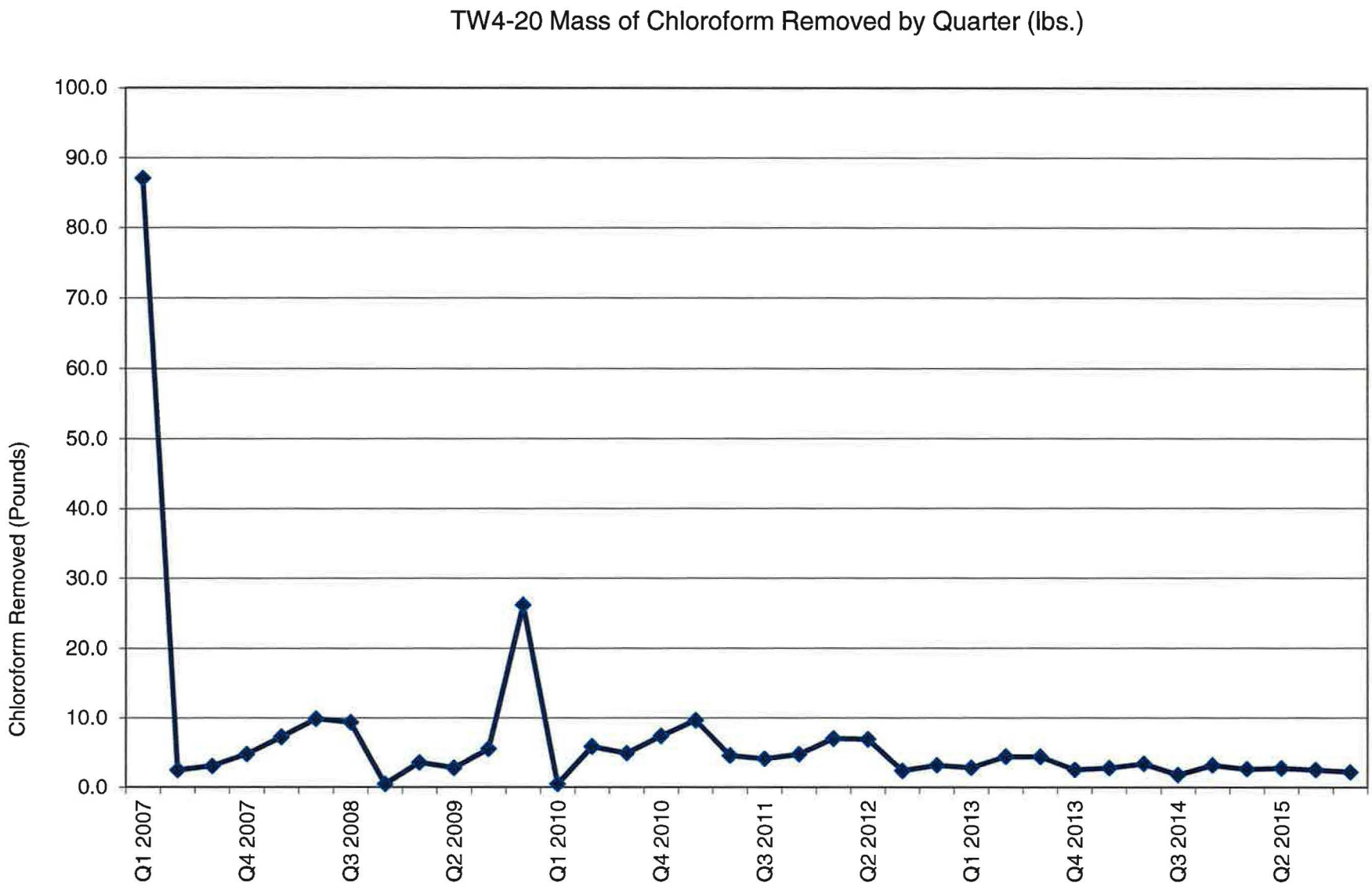

TW4-11 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015



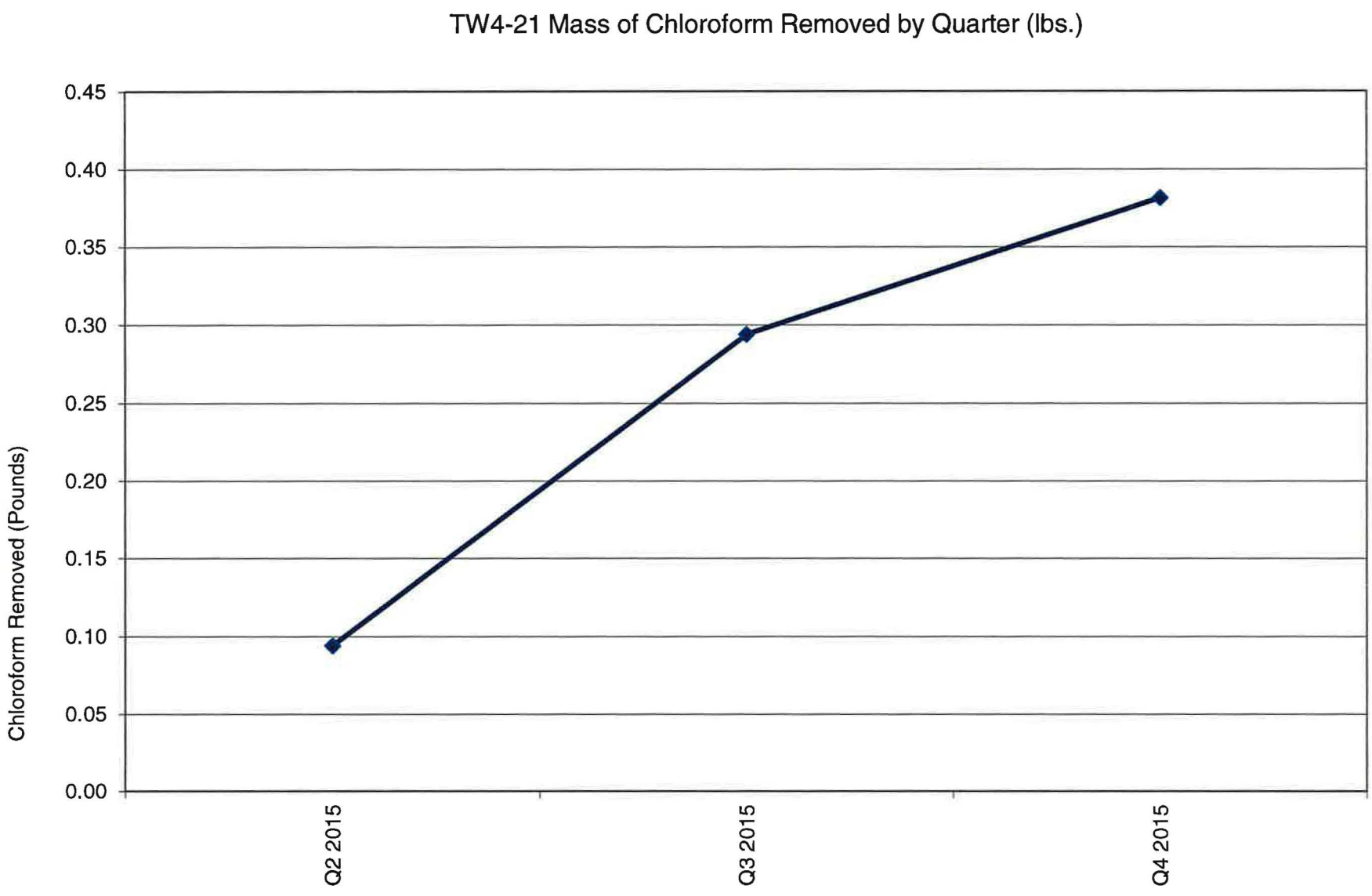

Q1 2007 represents the cumulative total prior to and including Q1 2007.

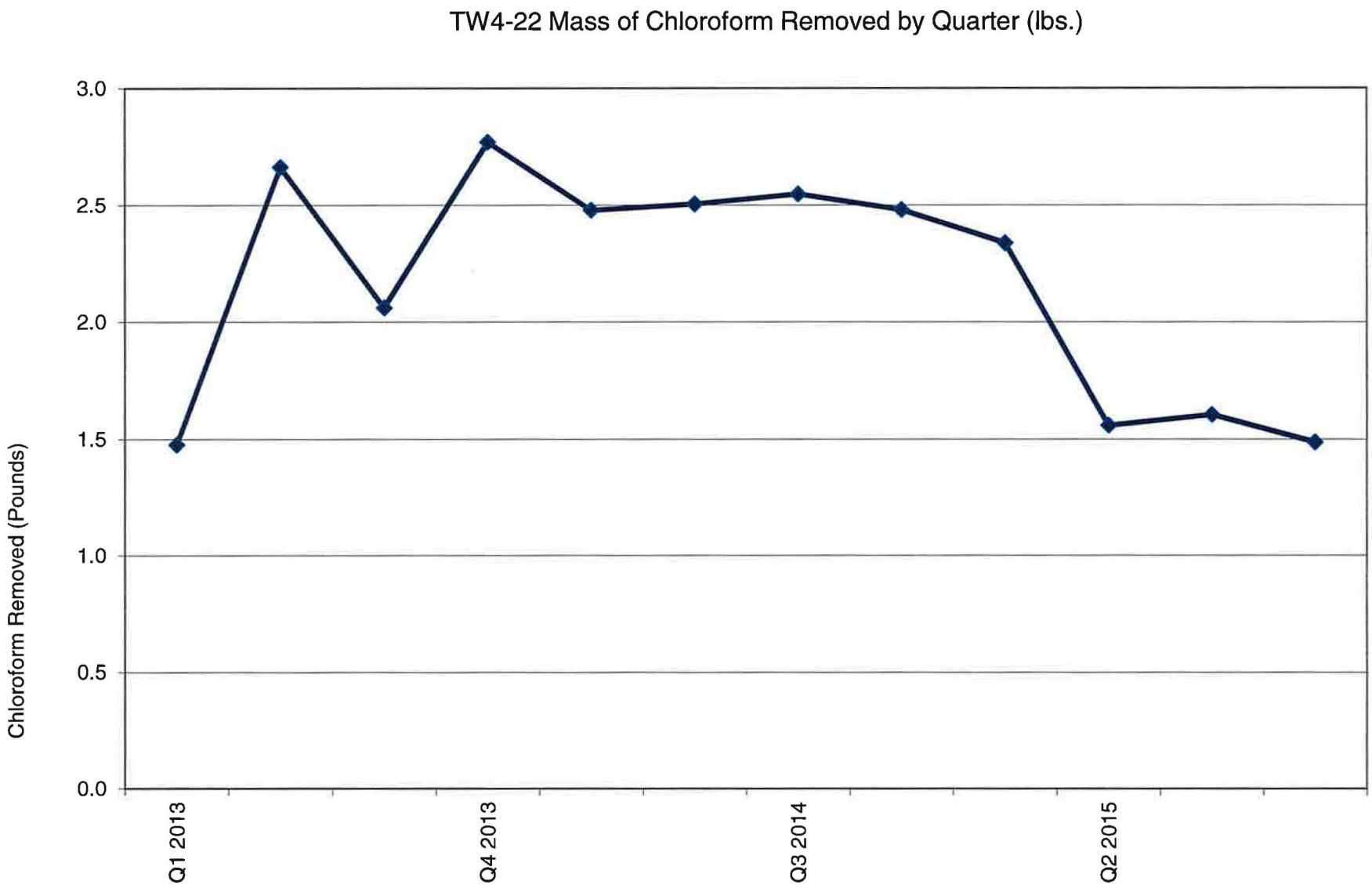


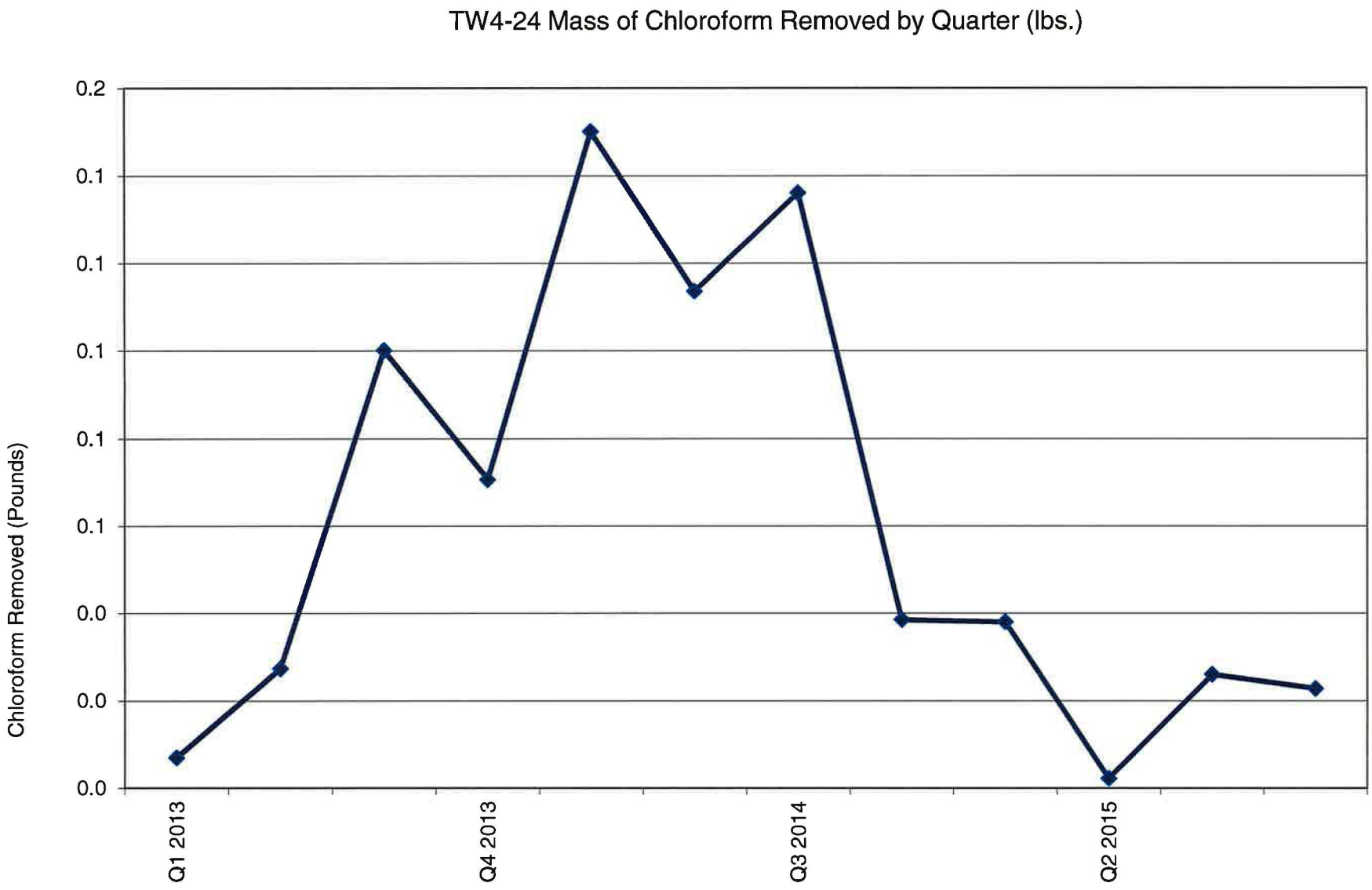

Q1 2007 represents the cumulative total prior to and including Q1 2007.

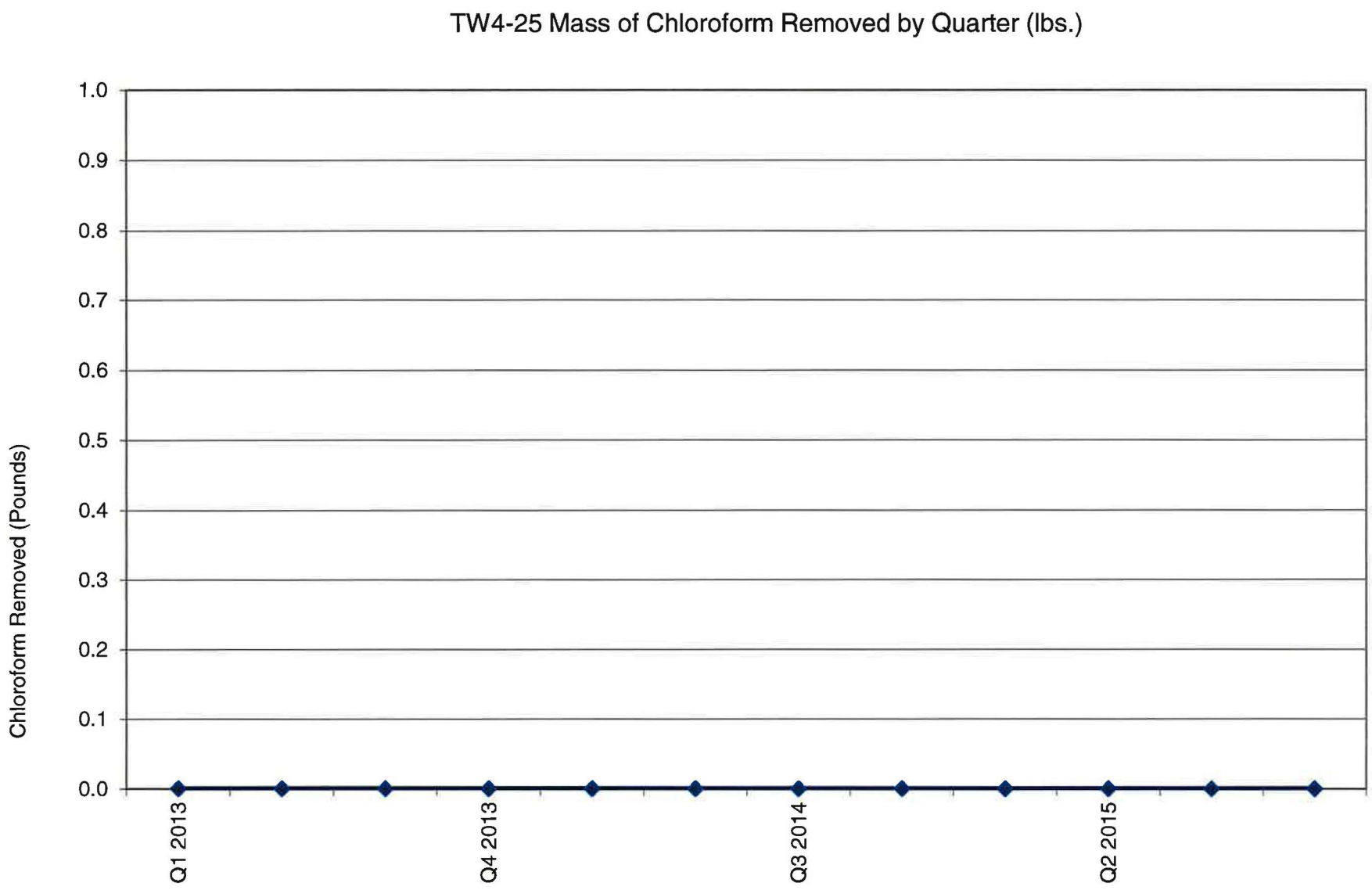


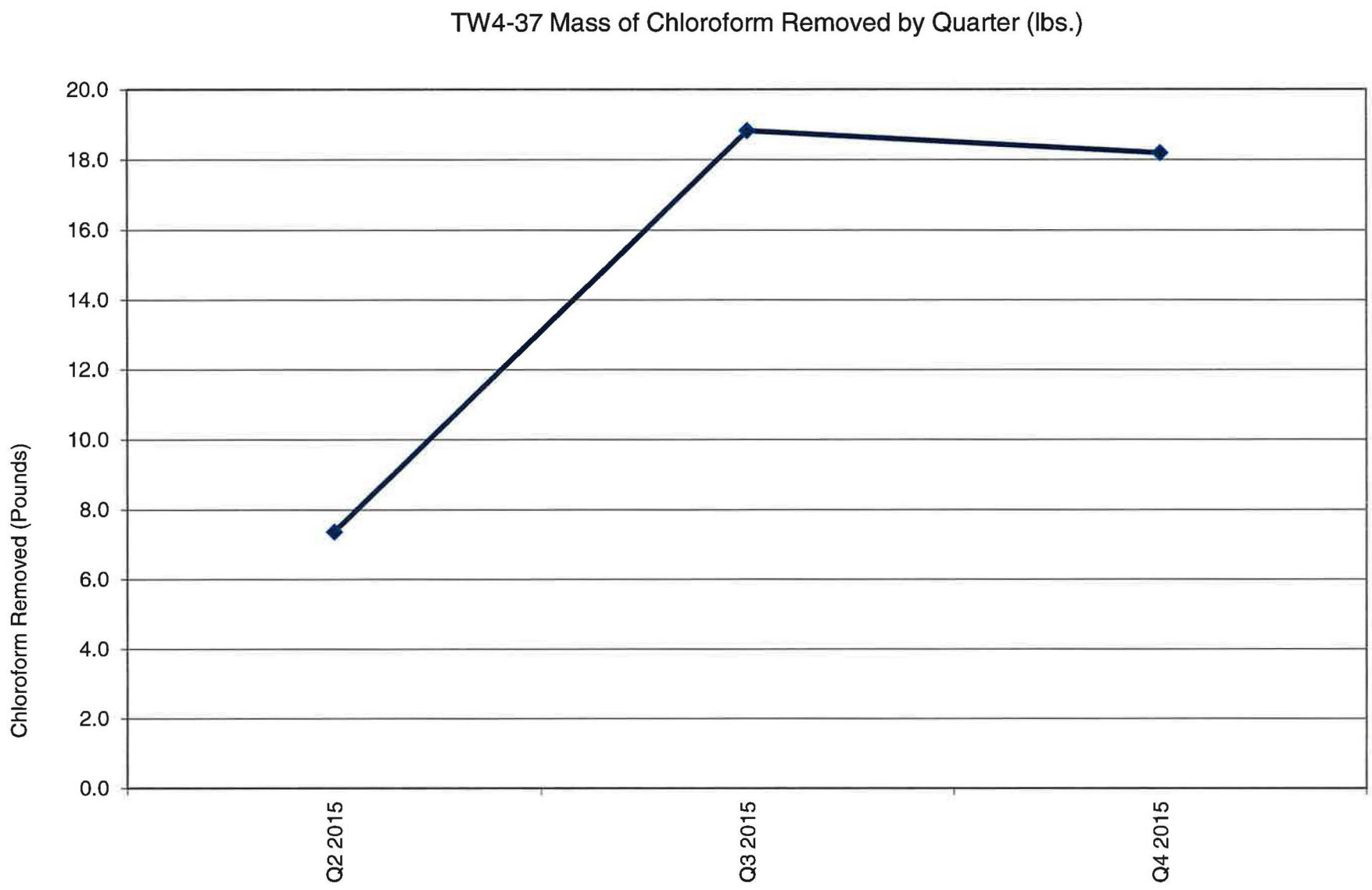

Q1 2007 represents the cumulative total prior to and including Q1 2007.


TW4-21 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.45
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q2 2015
Q3 2015
Q4 2015

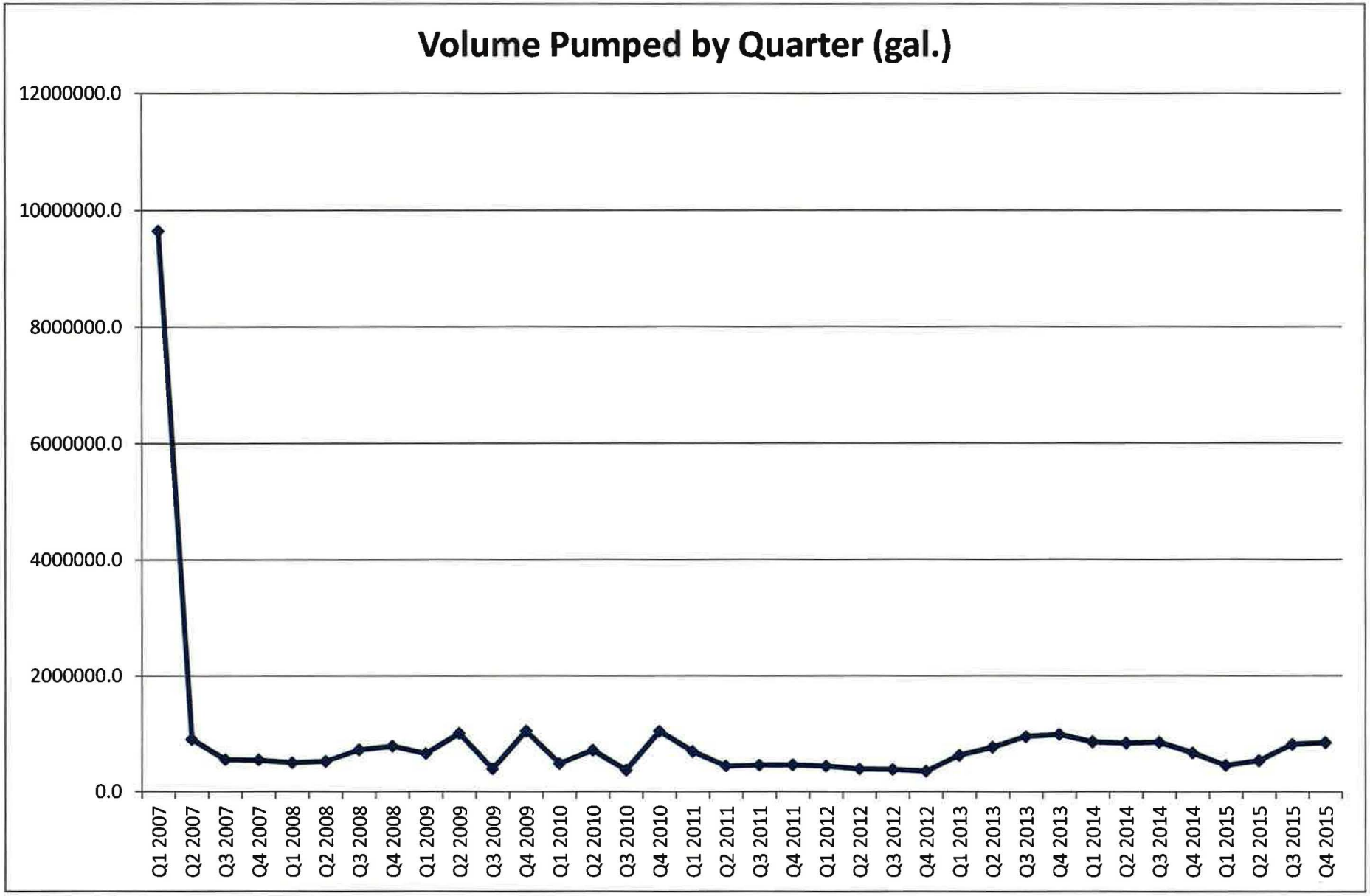

TW4-22 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Q1 2013
Q4 2013
Q3 2014
Q2 2015

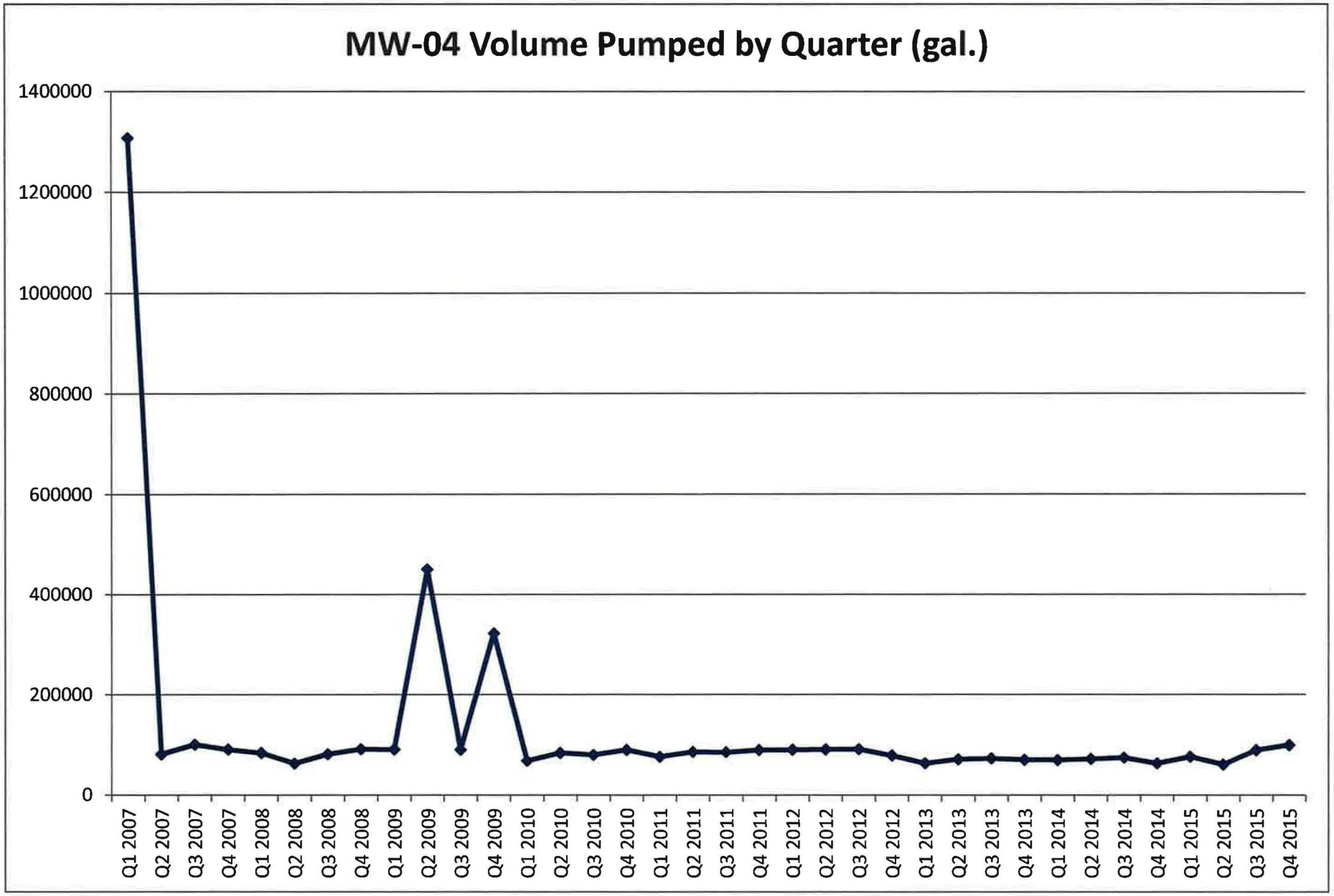

TW4-24 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.2
0.1
0.1
0.1
0.1
0.1
0.0
0.0
0.0
Q1 2013
Q4 2013
Q3 2014
Q2 2015


TW4-25 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Q1 2013
Q4 2013
Q3 2014
Q2 2015

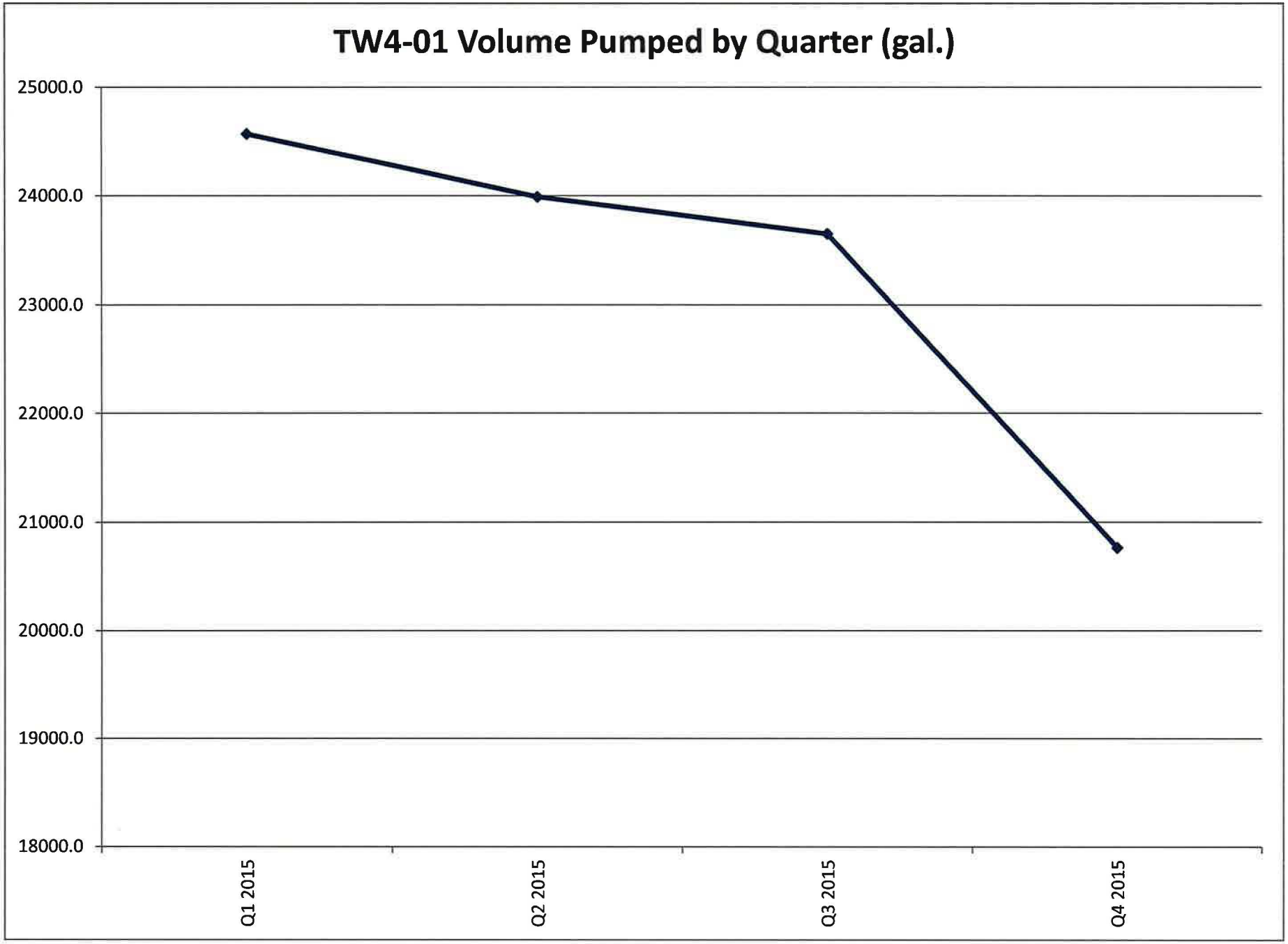


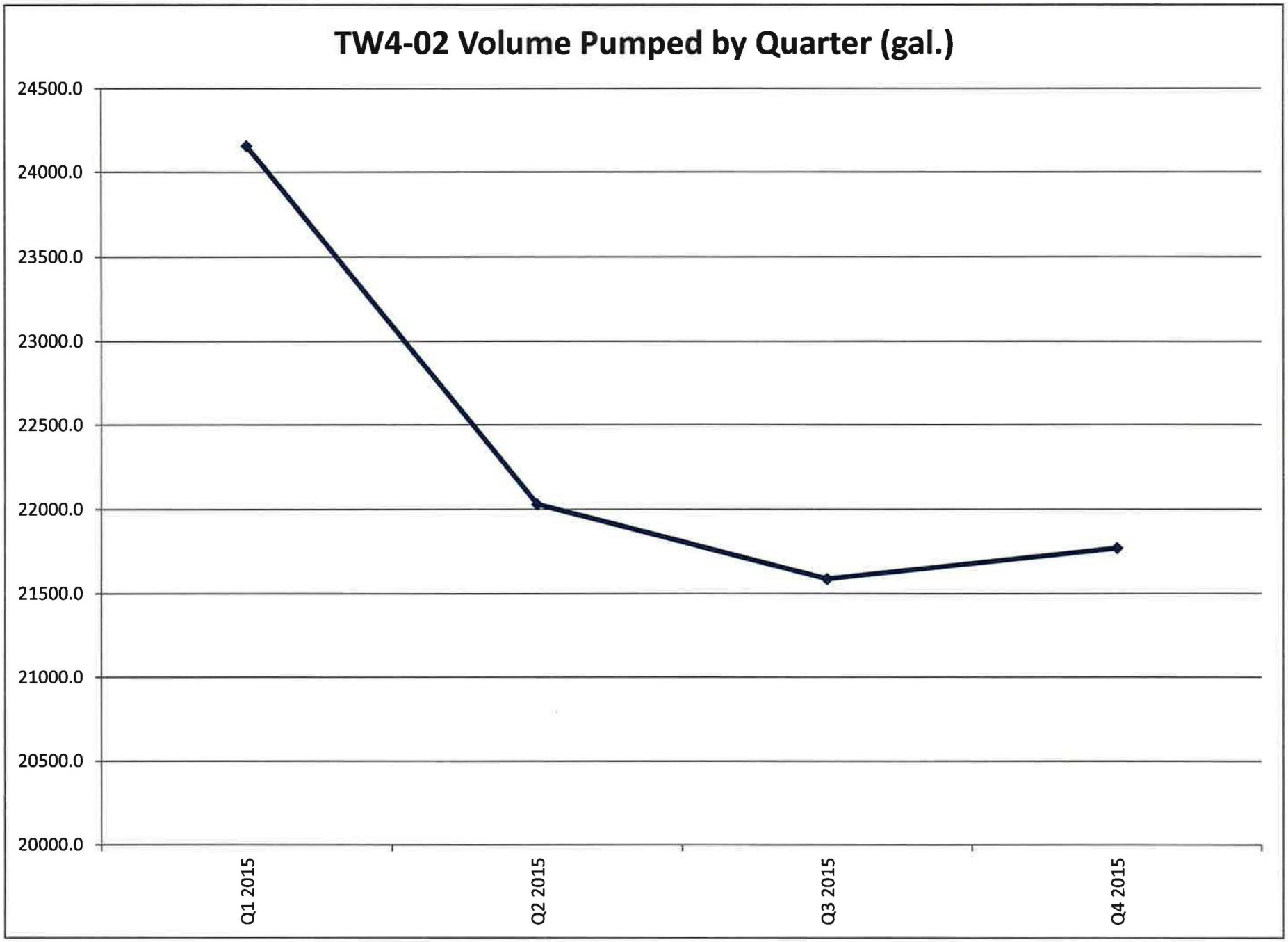

Q1 2007 represents the cumulative total prior to and including Q1 2007.

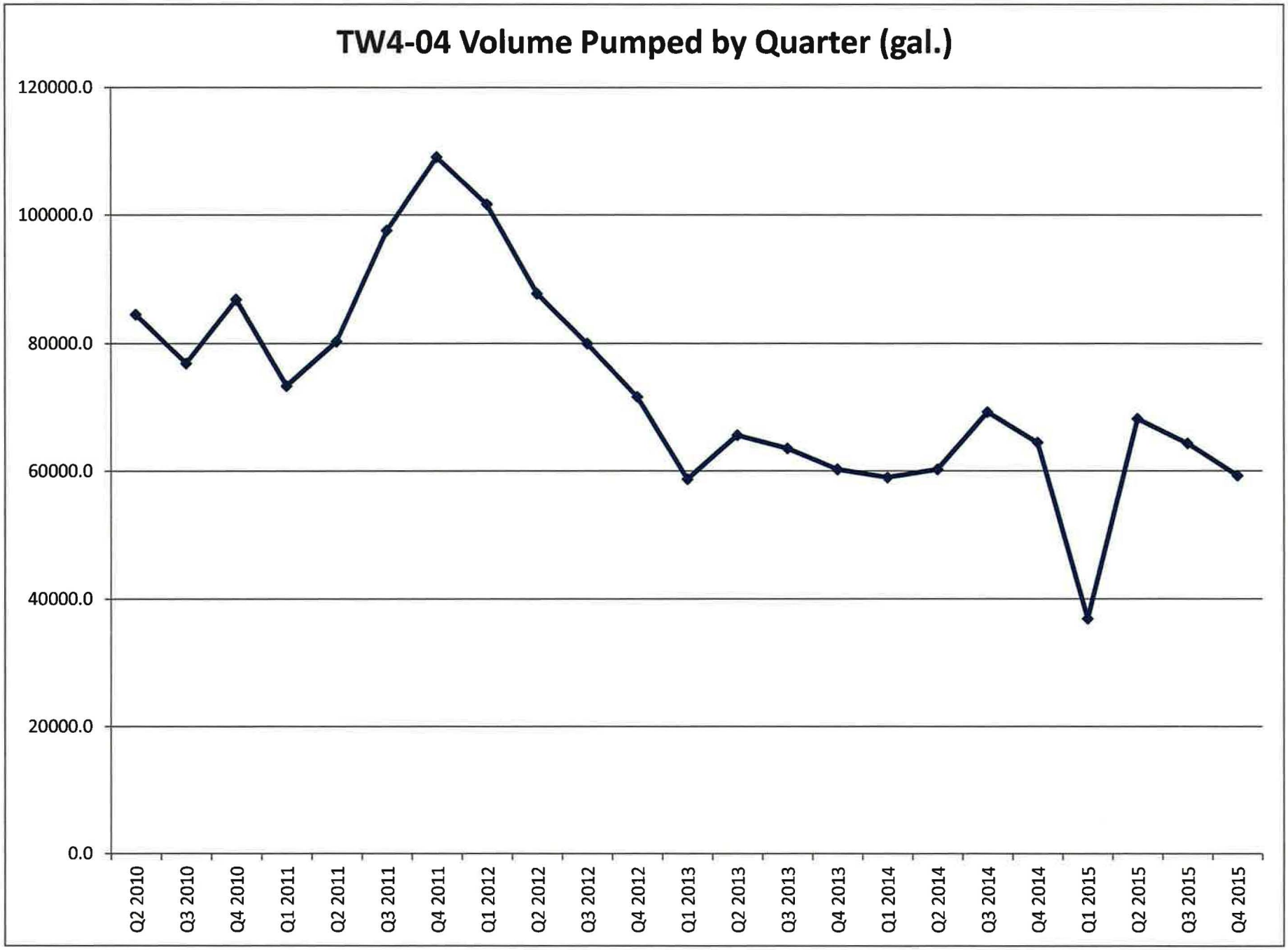

Volume Pumped by Quarter (gal.)
12000000.0
10000000.0
8000000.0
6000000.0
4000000.0
2000000.0
0.0
Q1 2007
Q2 2007
Q3 2007
Q4 2007
Q1 2008
Q2 2008
Q3 2008
Q4 2008
Q1 2009
Q2 2009
Q3 2009
Q4 2009
Q1 2010
Q2 2010
Q3 2010
Q4 2010
Q1 2011
Q2 2011
Q3 2011
Q4 2011
Q1 2012
Q2 2012
Q3 2012
Q4 2012
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015

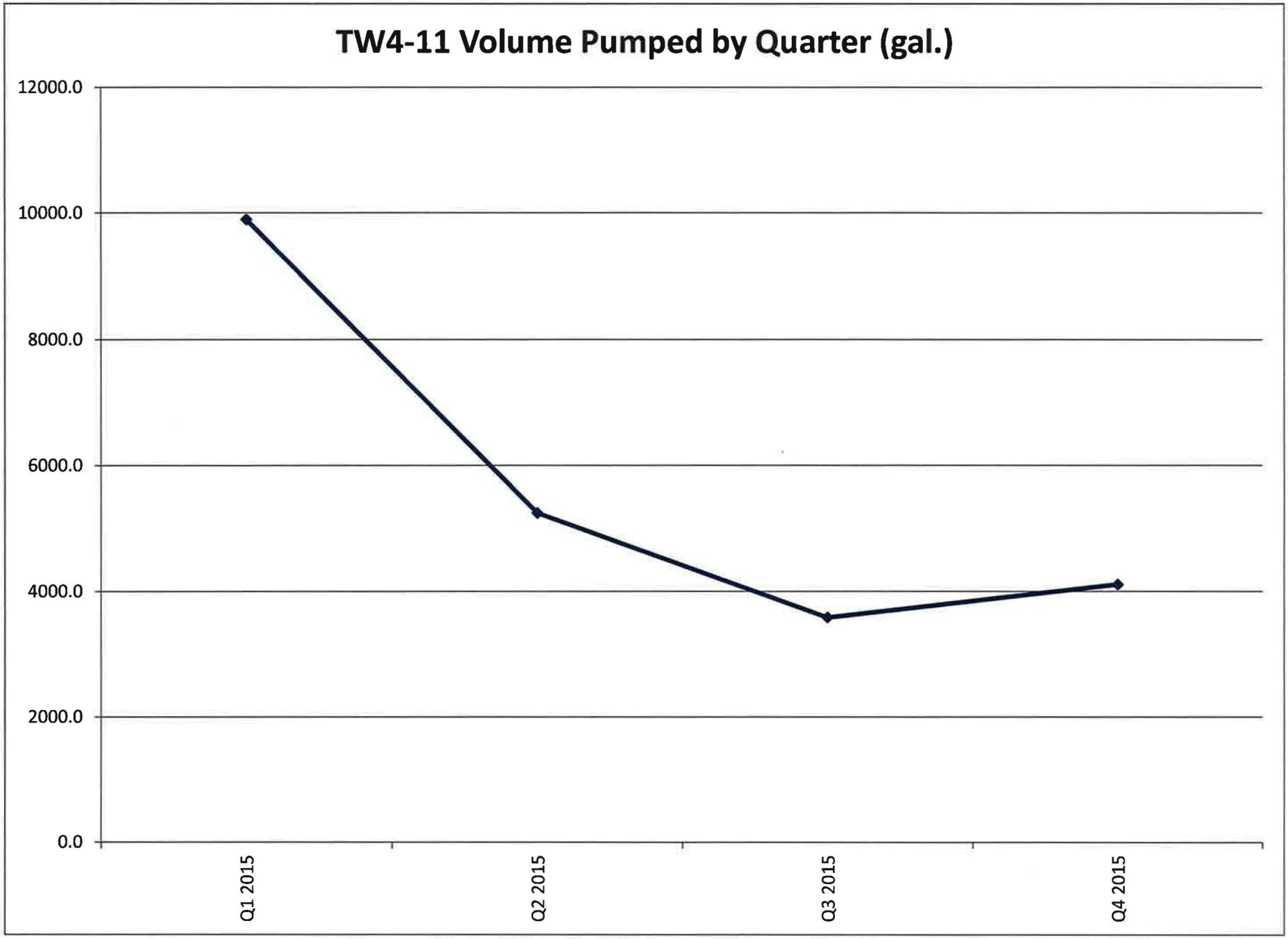


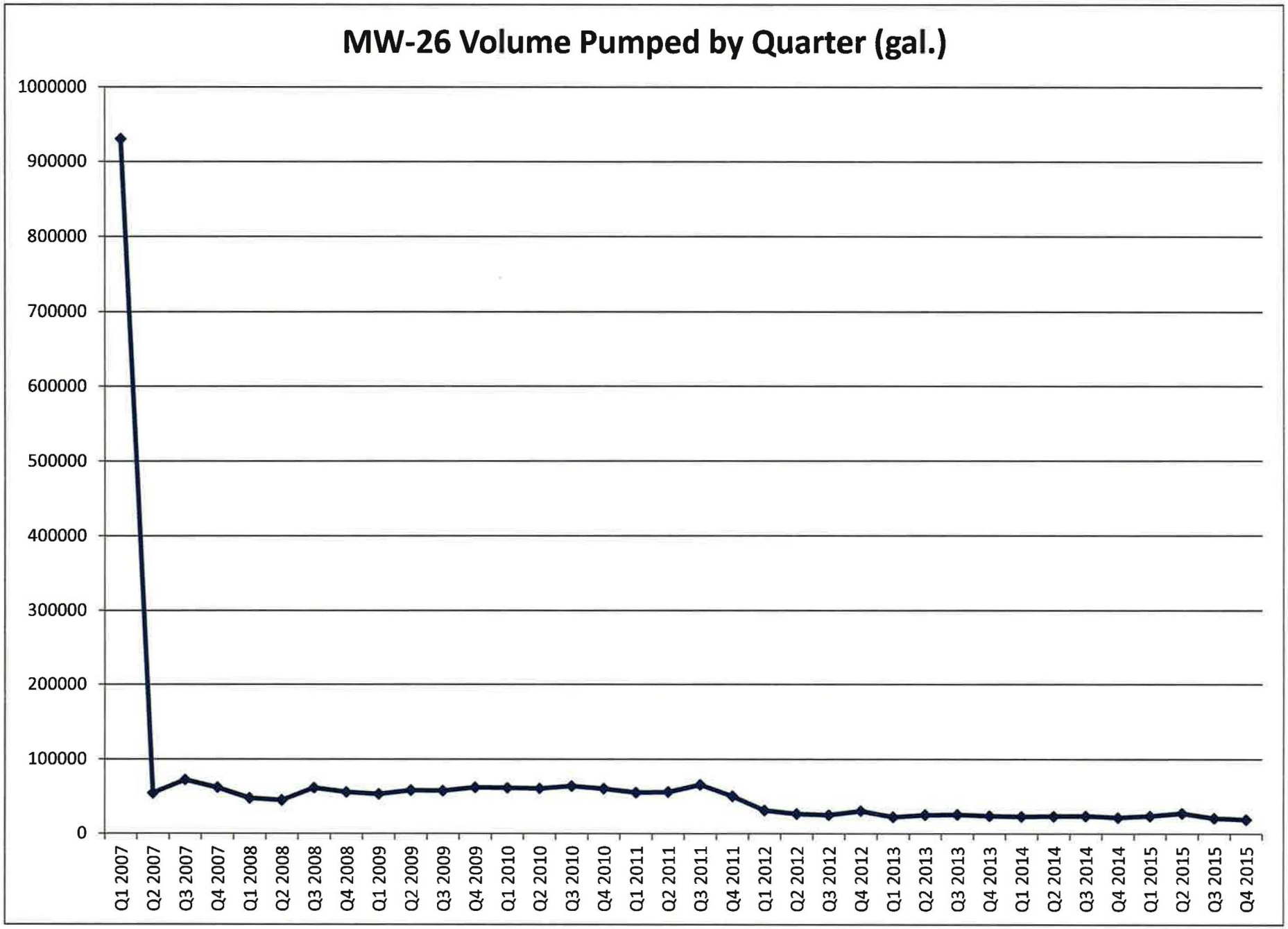

Q1 2007 represents the cumulative total prior to and including Q1 2007.


TW4-01 Volume Pumped by Quarter (gal.)
25000.0
24000.0
23000.0
22000.0
21000.0
20000.0
19000.0
18000.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015

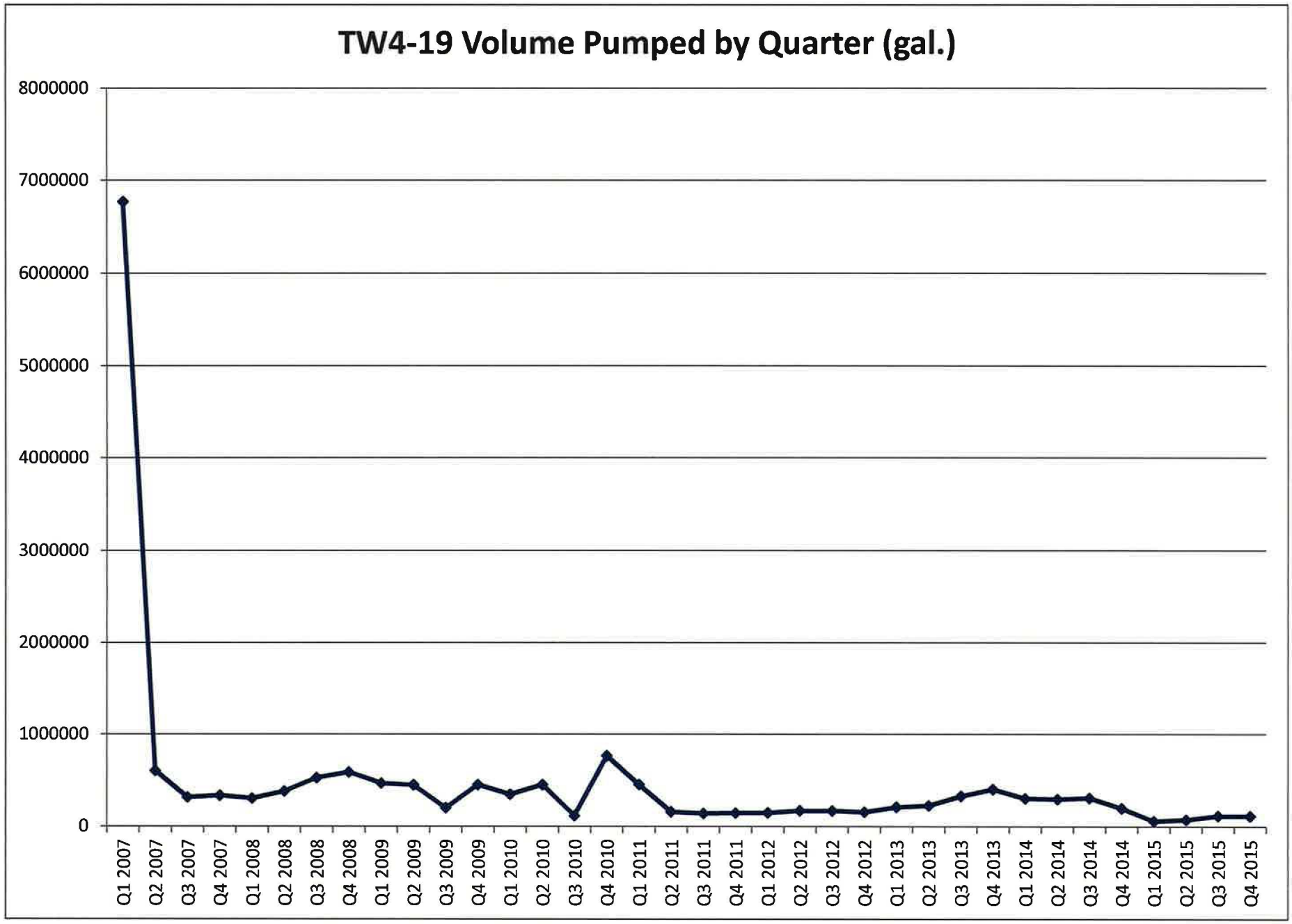

TW4-02 Volume Pumped by Quarter (gal.)
24500.0
24000.0
23500.0
23000.0
22500.0
22000.0
21500.0
21000.0
20500.0
20000.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015


TW4-04 Volume Pumped by Quarter (gal.)
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2010
Q3 2010
Q4 2010
Q1 2011
Q2 2011
Q3 2011
Q4 2011
Q1 2012
Q2 2012
Q3 2012
Q4 2012
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015

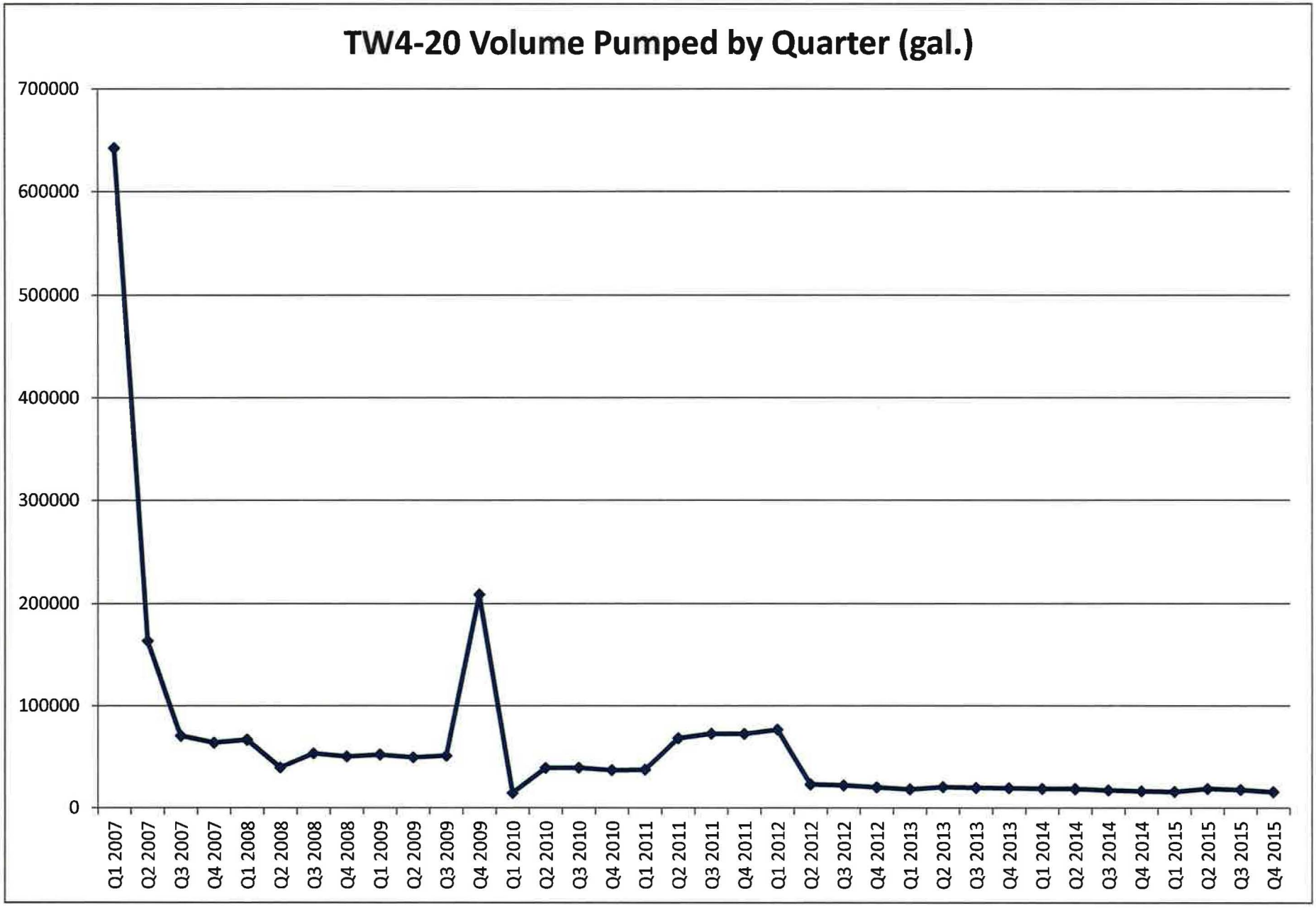

TW4-11 Volume Pumped by Quarter (gal.)
12000.0
10000.0
8000.0
6000.0
4000.0
2000.0
0.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015



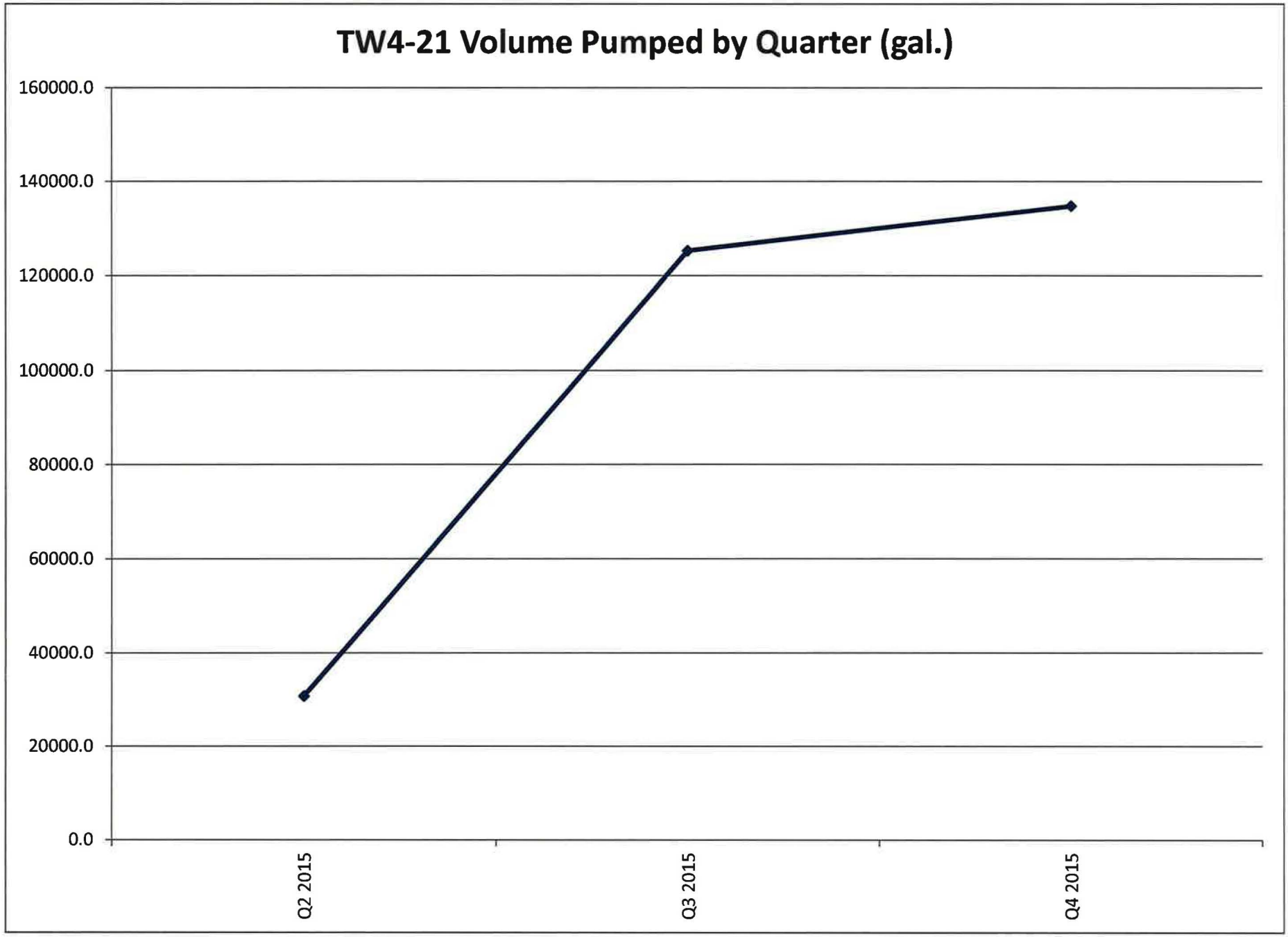

Q1 2007 represents the cumulative total prior to and including Q1 2007.

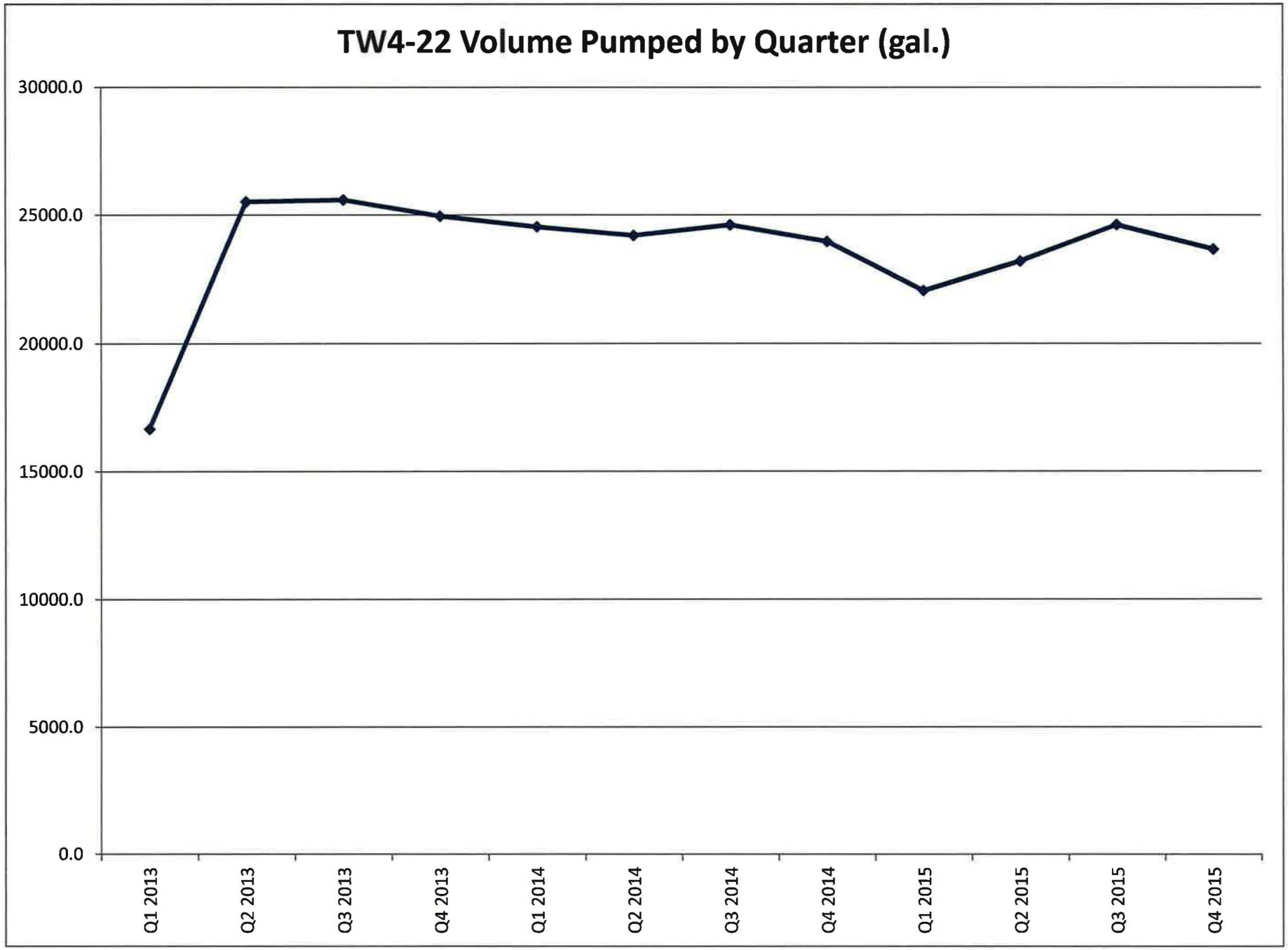


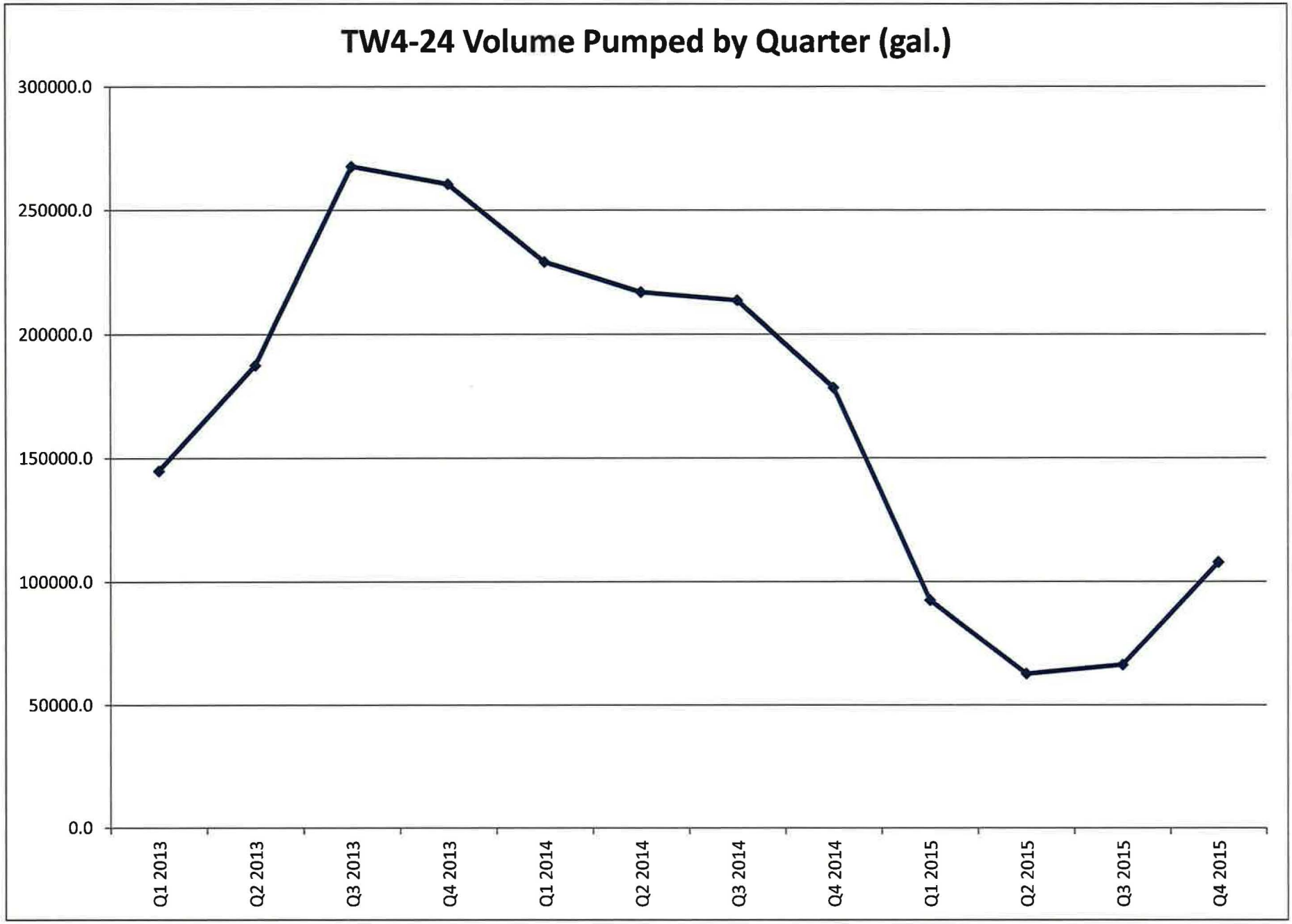

Q1 2007 represents the cumulative total prior to and including Q1 2007.

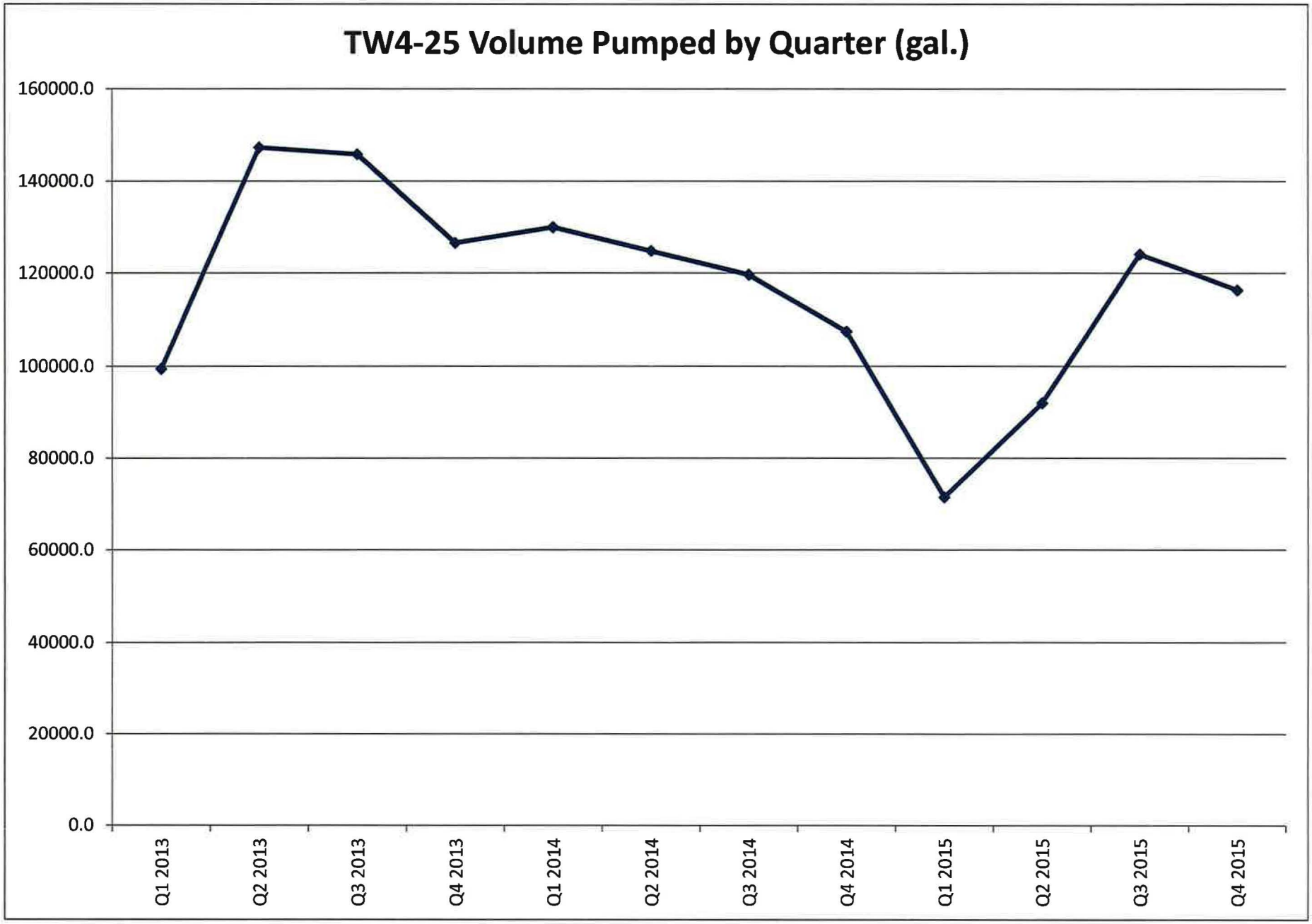


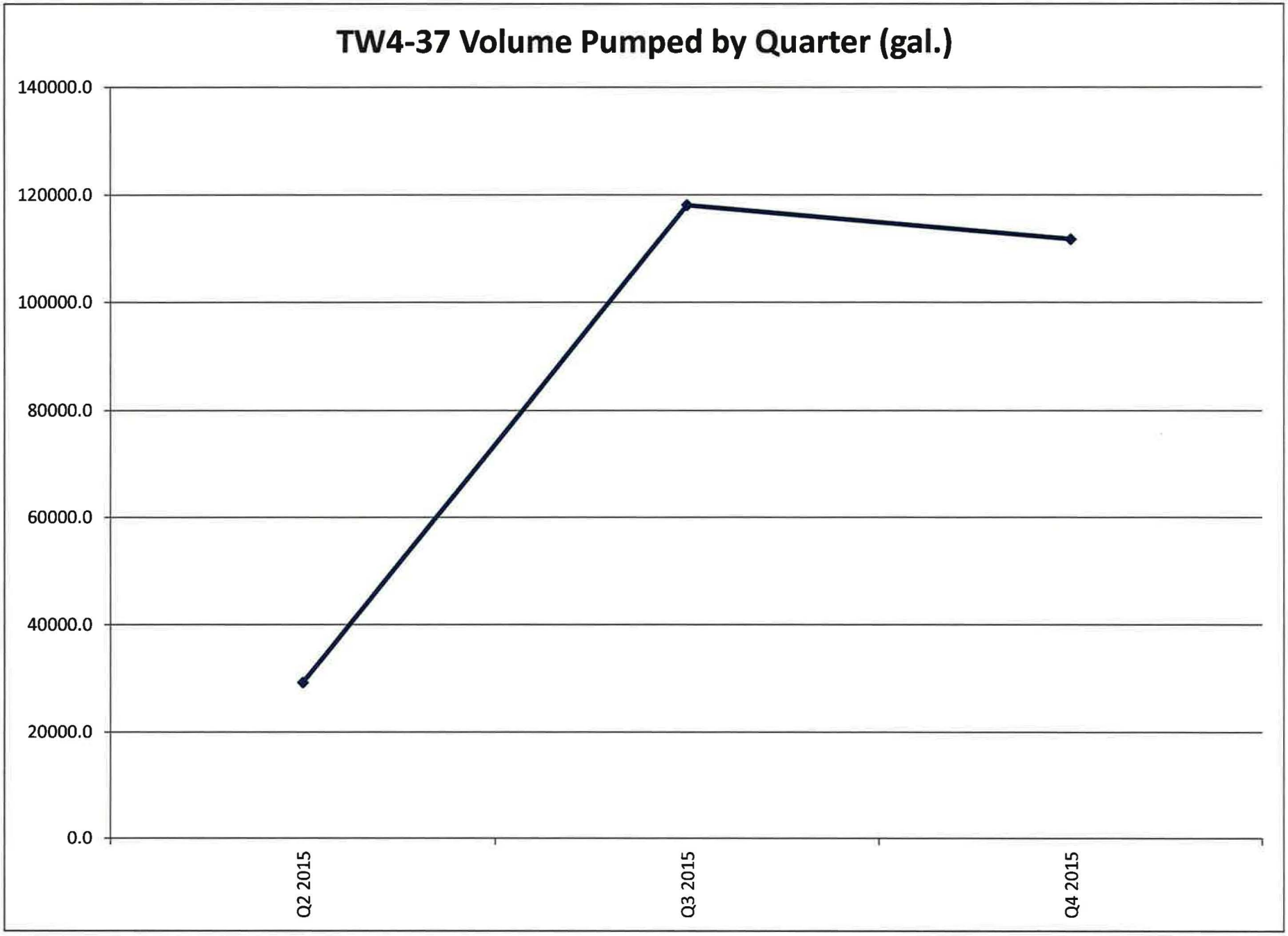

Q1 2007 represents the cumulative total prior to and including Q1 2007.


TW4-21 Volume Pumped by Quarter (gal.)
160000.0
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2015
Q3 2015
Q4 2015


TW4-22 Volume Pumped by Quarter (gal.)
30000.0
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015


TW4-24 Volume Pumped by Quarter (gal.)
300000.0
250000.0
200000.0
150000.0
100000.0
50000.0
0.0
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015


TW4-25 Volume Pumped by Quarter (gal.)
160000.0
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015


TW4-37 Volume Pumped by Quarter (gal.)
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2015
Q3 2015
Q4 2015

Tab H

Laboratory Analytical Reports

# ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-016C
**Client Sample ID:** MW-04_10192015
**Collection Date:** 10/19/2015 1510h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2039h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **1,200** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,030 | 1,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,080 | 1,000 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 974 | 1,000 | 97.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,030 | 1,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1118h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.0 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.3 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.6 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.4 | 50.00 | 105 | 77-129 | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-013C
**Client Sample ID:** TW4-01_10192015
**Collection Date:** 10/19/2015 1517h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 1900h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **1,040** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,020 | 1,000 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,070 | 1,000 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 983 | 1,000 | 98.3 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,040 | 1,000 | 104 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1019h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.3 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.5 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.1 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-013
**Client Sample ID:** TW4-01_10192015
**Collection Date:** 10/19/2015 1517h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 519h | E300.0 | 10.0 | **38.5** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1434h | E353.2 | 1.00 | **1.55** | |

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Jose Rocha
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Kyle F. Gross
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Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-017C
**Client Sample ID:** TW4-02_10192015
**Collection Date:** 10/19/2015 1502h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2059h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **2,070** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,010 | 1,000 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,080 | 1,000 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 977 | 1,000 | 97.7 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,030 | 1,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1137h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.3 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 51.7 | 50.00 | 103 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.1 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 50.4 | 50.00 | 101 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-017
**Client Sample ID:** TW4-02_10192015
**Collection Date:** 10/19/2015 1502h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1625h | E300.0 | 10.0 | **41.9** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1443h | E353.2 | 1.00 | **5.18** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-002C
**Client Sample ID:** TW4-03_10212015
**Collection Date:** 10/21/2015 858h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 135h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.4 | 50.00 | 105 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.6 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.1 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.1 | 50.00 | 104 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-002
**Client Sample ID:** TW4-03_10212015
**Collection Date:** 10/21/2015 858h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 133h | E300.0 | 10.0 | **25.6** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1359h | E353.2 | 1.00 | **5.37** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-001C
**Client Sample ID:** TW4-03R_10202015
**Collection Date:** 10/20/2015 650h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 115h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.0 | 50.00 | 104 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.1 | 50.00 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.6 | 50.00 | 99.2 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.4 | 50.00 | 103 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-001
**Client Sample ID:** TW4-03R_10202015
**Collection Date:** 10/20/2015 650h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 554h | E300.0 | 1.00 | < 1.00 | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1355h | E353.2 | 0.100 | < 0.100 | 1 |

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-015C
**Client Sample ID:** TW4-04_10192015
**Collection Date:** 10/19/2015 1524h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2019h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **1,190** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,030 | 1,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,070 | 1,000 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 989 | 1,000 | 98.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,030 | 1,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1058h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.4 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.7 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.5 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.6 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-015
**Client Sample ID:** TW4-04_10192015
**Collection Date:** 10/19/2015 1524h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1551h | E300.0 | 10.0 | **38.5** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1440h | E353.2 | 1.00 | **6.27** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-008C
**Client Sample ID:** TW4-05_10282015
**Collection Date:** 10/28/2015 844h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1023h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **11.0** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.7 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.3 | 50.00 | 98.7 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.5 | 50.00 | 103 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-008
**Client Sample ID:** TW4-05_10282015
**Collection Date:** 10/28/2015 844h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1911h | E300.0 | 10.0 | **43.6** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1726h | E353.2 | 0.100 | **8.03** | |

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-016C
**Client Sample ID:** TW4-06_10292015
**Collection Date:** 10/29/2015 826h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1945h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **843** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,020 | 1,000 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,080 | 1,000 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 989 | 1,000 | 98.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,040 | 1,000 | 104 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 11/2/2015 1300h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.8 | 50.00 | 110 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.7 | 50.00 | 99.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.9 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-016
**Client Sample ID:** TW4-06_10292015
**Collection Date:** 10/29/2015 826h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/3/2015 1551h | E300.0 | 10.0 | **40.2** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1740h | E353.2 | 0.100 | **5.61** | |

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-015C
**Client Sample ID:** TW4-07_10292015
**Collection Date:** 10/29/2015 821h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1925h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **847** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,020 | 1,000 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,080 | 1,000 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 989 | 1,000 | 98.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,030 | 1,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 11/2/2015 1240h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 48.6 | 50.00 | 97.2 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.0 | 50.00 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 47.5 | 50.00 | 95.0 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 49.4 | 50.00 | 98.8 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-015
**Client Sample ID:** TW4-07_10292015
**Collection Date:** 10/29/2015 821h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/3/2015 1534h | E300.0 | 10.0 | **40.6** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1739h | E353.2 | 0.100 | **3.49** | |

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Jose Rocha
QA Officer



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-014C
**Client Sample ID:** TW4-08_10292015
**Collection Date:** 10/29/2015 815h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1906h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **770** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,010 | 1,000 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,110 | 1,000 | 111 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 988 | 1,000 | 98.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,040 | 1,000 | 104 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 11/2/2015 1221h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 55.1 | 50.00 | 110 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.9 | 50.00 | 99.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.6 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-014
**Client Sample ID:** TW4-08_10292015
**Collection Date:** 10/29/2015 815h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 2158h | E300.0 | 10.0 | **52.0** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1732h | E353.2 | 0.100 | **2.20** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-010C
**Client Sample ID:** TW4-09_10282015
**Collection Date:** 10/28/2015 900h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1102h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **68.4** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.9 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.9 | 50.00 | 99.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.8 | 50.00 | 104 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-010
**Client Sample ID:** TW4-09_10282015
**Collection Date:** 10/28/2015 900h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/12/2015 2311h | E300.0 | 10.0 | **29.2** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1728h | E353.2 | 0.100 | **2.89** | |

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Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-017C
**Client Sample ID:** TW4-10_10292015
**Collection Date:** 10/29/2015 835h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 2044h
**Units:** µg/L **Dilution Factor:** 50 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 50.0 | **1,350** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 2,520 | 2,500 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 2,760 | 2,500 | 111 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 2,450 | 2,500 | 98.1 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 2,580 | 2,500 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 11/2/2015 1319h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.4 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.5 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.5 | 50.00 | 98.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.4 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-017
**Client Sample ID:** TW4-10_10292015
**Collection Date:** 10/29/2015 835h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/3/2015 1608h | E300.0 | 10.0 | **79.9** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1741h | E353.2 | 0.100 | **13.5** | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-014C
**Client Sample ID:** TW4-11_10192015
**Collection Date:** 10/19/2015 1455h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2000h
**Units:** µg/L **Dilution Factor:** 100 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 100 | **2,730** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 5,110 | 5,000 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 5,220 | 5,000 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 4,900 | 5,000 | 98.1 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 5,170 | 5,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1038h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.0 | 50.00 | 100 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.5 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.6 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.3 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-014
**Client Sample ID:** TW4-11_10192015
**Collection Date:** 10/19/2015 1455h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 537h | E300.0 | 10.0 | **55.3** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1435h | E353.2 | 1.00 | **7.50** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-025C
**Client Sample ID:** TW4-12_10212015
**Collection Date:** 10/21/2015 915h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 1841h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.4 | 50.00 | 105 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.8 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.5 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 50.9 | 50.00 | 102 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-025
**Client Sample ID:** TW4-12_10212015
**Collection Date:** 10/21/2015 915h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1715h | E300.0 | 10.0 | **51.0** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1513h | E353.2 | 1.00 | **18.0** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-005C
**Client Sample ID:** TW4-13_10212015
**Collection Date:** 10/21/2015 948h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 234h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.0 | 50.00 | 104 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 51.9 | 50.00 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.7 | 50.00 | 99.5 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.9 | 50.00 | 104 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-005
**Client Sample ID:** TW4-13_10212015
**Collection Date:** 10/21/2015 948h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 225h | E300.0 | 10.0 | **65.5** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1403h | E353.2 | 1.00 | **5.78** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-006C
**Client Sample ID:** TW4-14_10212015
**Collection Date:** 10/21/2015 957h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 253h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **1.46** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.6 | 50.00 | 105 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.0 | 50.00 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.1 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.4 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-006
**Client Sample ID:** TW4-14_10212015
**Collection Date:** 10/21/2015 957h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 243h | E300.0 | 10.0 | **40.6** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1404h | E353.2 | 1.00 | **2.45** | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-018C
**Client Sample ID:** MW-26_10192015
**Collection Date:** 10/19/2015 1447h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2118h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **2,680** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,030 | 1,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,050 | 1,000 | 105 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 990 | 1,000 | 99.0 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,030 | 1,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1157h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | **1.32** | |
| Methylene chloride | 75-09-2 | 1.00 | **8.28** | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.8 | 50.00 | 104 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.4 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 51.6 | 50.00 | 103 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.6 | 50.00 | 105 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-018
**Client Sample ID:** MW-26_10192015
**Collection Date:** 10/19/2015 1447h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1642h | E300.0 | 10.0 | **62.6** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1444h | E353.2 | 0.100 | **0.991** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-011C
**Client Sample ID:** TW4-16_10282015
**Collection Date:** 10/28/2015 906h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1122h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **112** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.7 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.8 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.3 | 50.00 | 98.7 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.5 | 50.00 | 103 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-011
**Client Sample ID:** TW4-16_10282015
**Collection Date:** 10/28/2015 906h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 2034h | E300.0 | 10.0 | **58.3** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1729h | E353.2 | 0.100 | **1.69** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-004C
**Client Sample ID:** MW-32_10282015
**Collection Date:** 10/28/2015 1400h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 905h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 48.3 | 50.00 | 96.6 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 51.4 | 50.00 | 103 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 46.7 | 50.00 | 93.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 49.4 | 50.00 | 98.9 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-004
**Client Sample ID:** MW-32_10282015
**Collection Date:** 10/28/2015 1400h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1803h | E300.0 | 10.0 | **34.7** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1716h | E353.2 | 0.100 | < 0.100 | |

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Jose Rocha
QA Officer



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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-009C
**Client Sample ID:** TW4-18_10282015
**Collection Date:** 10/28/2015 852h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1042h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **52.9** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 55.1 | 50.00 | 110 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.8 | 50.00 | 99.7 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.4 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-009
**Client Sample ID:** TW4-18_10282015
**Collection Date:** 10/28/2015 852h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 2001h | E300.0 | 10.0 | **39.4** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1727h | E353.2 | 0.100 | **6.24** | |

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Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-020C
**Client Sample ID:** TW4-19_10192015
**Collection Date:** 10/19/2015 1345h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2158h
**Units:** µg/L **Dilution Factor:** 100 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 100 | **7,840** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 5,110 | 5,000 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 5,300 | 5,000 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 4,920 | 5,000 | 98.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 5,160 | 5,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1236h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | **12.2** | |
| Chloromethane | 74-87-3 | 1.00 | **5.46** | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.0 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.4 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.2 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.1 | 50.00 | 102 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-020
**Client Sample ID:** TW4-19_10192015
**Collection Date:** 10/19/2015 1345h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1427h | E300.0 | 100 | **252** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1447h | E353.2 | 1.00 | **10.6** | |

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Jose Rocha
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Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-021C
**Client Sample ID:** TW4-20_10192015
**Collection Date:** 10/19/2015 1440h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2217h
**Units:** µg/L **Dilution Factor:** 100 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 100 | **17,000** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 5,130 | 5,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 5,360 | 5,000 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 4,990 | 5,000 | 99.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 5,190 | 5,000 | 104 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1256h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | **14.5** | |
| Chloromethane | 74-87-3 | 1.00 | **10.8** | |
| Methylene chloride | 75-09-2 | 1.00 | **1.00** | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.1 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.4 | 50.00 | 105 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.0 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.1 | 50.00 | 102 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-021
**Client Sample ID:** TW4-20_10192015
**Collection Date:** 10/19/2015 1440h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1444h | E300.0 | 100 | **293** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1506h | E353.2 | 1.00 | **6.23** | [1] |

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*

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Jose Rocha
QA Officer



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Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-012C
**Client Sample ID:** TW4-21_10192015
**Collection Date:** 10/19/2015 1356h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 1454h
**Units:** µg/L **Dilution Factor:** 10 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 10.0 | **339** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 523 | 500.0 | 105 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 548 | 500.0 | 110 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 504 | 500.0 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 528 | 500.0 | 106 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 959h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.0 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.4 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.5 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.4 | 50.00 | 105 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-012
**Client Sample ID:** TW4-21_10192015
**Collection Date:** 10/19/2015 1356h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 116h | E300.0 | 100 | **413** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1432h | E353.2 | 1.00 | **14.3** | |

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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-019C
**Client Sample ID:** TW4-22_10192015
**Collection Date:** 10/19/2015 1426h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2138h
**Units:** µg/L **Dilution Factor:** 100 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 100 | **7,530** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 5,160 | 5,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 5,270 | 5,000 | 105 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 4,970 | 5,000 | 99.5 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 5,150 | 5,000 | 103 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1217h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | **5.10** | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.0 | 50.00 | 100 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.7 | 50.00 | 105 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.6 | 50.00 | 99.3 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.3 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-019
**Client Sample ID:** TW4-22_10192015
**Collection Date:** 10/19/2015 1426h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1336h | E300.0 | 100 | **567** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1457h | E353.2 | 10.0 | **56.1** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-003C
**Client Sample ID:** TW4-23_10282015
**Collection Date:** 10/28/2015 810h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 845h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.5 | 50.00 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.3 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.0 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.3 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-003
**Client Sample ID:** TW4-23_10282015
**Collection Date:** 10/28/2015 810h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1746h | E300.0 | 10.0 | **46.4** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1715h | E353.2 | 0.100 | < 0.100 | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-011C
**Client Sample ID:** TW4-24_10192015
**Collection Date:** 10/19/2015 1414h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 940h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **25.3** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.2 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.6 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.8 | 50.00 | 99.6 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.8 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-011
**Client Sample ID:** TW4-24_10192015
**Collection Date:** 10/19/2015 1414h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 024h | E300.0 | 100 | **909** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1452h | E353.2 | 2.00 | **29.6** | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-010C
**Client Sample ID:** TW4-25_10212015
**Collection Date:** 10/21/2015 842h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 920h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.8 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.2 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.0 | 50.00 | 99.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.9 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-010
**Client Sample ID:** TW4-25_10212015
**Collection Date:** 10/21/2015 842h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 502h | E300.0 | 10.0 | **93.7** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1427h | E353.2 | 0.100 | **1.78** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-007C
**Client Sample ID:** TW4-26_10282015
**Collection Date:** 10/28/2015 837h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1003h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **3.45** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 49.0 | 50.00 | 98.0 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.2 | 50.00 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 47.5 | 50.00 | 95.1 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 49.6 | 50.00 | 99.3 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-007
**Client Sample ID:** TW4-26_10282015
**Collection Date:** 10/28/2015 837h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1854h | E300.0 | 10.0 | **13.3** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1725h | E353.2 | 0.100 | **13.9** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-005C
**Client Sample ID:** TW4-27_10282015
**Collection Date:** 10/28/2015 821h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 924h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **1.60** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.1 | 50.00 | 100 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.8 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 48.9 | 50.00 | 97.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.0 | 50.00 | 104 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-005
**Client Sample ID:** TW4-27_10282015
**Collection Date:** 10/28/2015 821h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1820h | E300.0 | 10.0 | **26.2** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1717h | E353.2 | 0.200 | **23.5** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-003C
**Client Sample ID:** TW4-28_10212015
**Collection Date:** 10/21/2015 930h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 155h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.4 | 50.00 | 105 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 51.5 | 50.00 | 103 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.1 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.0 | 50.00 | 104 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-003
**Client Sample ID:** TW4-28_10212015
**Collection Date:** 10/21/2015 930h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 151h | E300.0 | 10.0 | **52.7** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1400h | E353.2 | 1.00 | **18.7** | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-013C
**Client Sample ID:** TW4-29_10292015
**Collection Date:** 10/29/2015 807h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1846h
**Units:** µg/L **Dilution Factor:** 20 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 20.0 | **631** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 1,010 | 1,000 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 1,080 | 1,000 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 986 | 1,000 | 98.6 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 1,020 | 1,000 | 102 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 11/2/2015 1201h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.5 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.8 | 50.00 | 99.5 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.8 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-013
**Client Sample ID:** TW4-29_10292015
**Collection Date:** 10/29/2015 807h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 2141h | E300.0 | 10.0 | **39.8** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1731h | E353.2 | 0.100 | **2.74** | |

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Kyle F. Gross
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Jose Rocha
QA Officer



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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-006C
**Client Sample ID:** TW4-30_10282015
**Collection Date:** 10/28/2015 827h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 944h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **3.48** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.1 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.5 | 50.00 | 107 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.7 | 50.00 | 99.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.0 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-006
**Client Sample ID:** TW4-30_10282015
**Collection Date:** 10/28/2015 827h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1837h | E300.0 | 10.0 | **37.8** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1717h | E353.2 | 0.100 | **1.86** | |

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Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-008C
**Client Sample ID:** TW4-31_10212015
**Collection Date:** 10/21/2015 1210h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 841h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.0 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.0 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.9 | 50.00 | 99.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.0 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-008
**Client Sample ID:** TW4-31_10212015
**Collection Date:** 10/21/2015 1210h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 427h | E300.0 | 10.0 | **29.1** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1449h | E353.2 | 0.100 | **0.953** | |

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Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-004C
**Client Sample ID:** TW4-32_10212015
**Collection Date:** 10/21/2015 938h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 214h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.8 | 50.00 | 106 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.1 | 50.00 | 104 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.9 | 50.00 | 99.8 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.7 | 50.00 | 103 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-004
**Client Sample ID:** TW4-32_10212015
**Collection Date:** 10/21/2015 938h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 208h | E300.0 | 10.0 | **55.1** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1402h | E353.2 | 1.00 | **1.19** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-012C
**Client Sample ID:** TW4-33_10292015
**Collection Date:** 10/29/2015 800h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1141h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | **129** | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.6 | 50.00 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.6 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.2 | 50.00 | 100 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.3 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-012
**Client Sample ID:** TW4-33_10292015
**Collection Date:** 10/29/2015 800h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 2124h | E300.0 | 10.0 | **44.5** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1730h | E353.2 | 0.100 | **1.92** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-001C
**Client Sample ID:** TW4-33R_10282015
**Collection Date:** 10/28/2015 959h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 806h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.1 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.6 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.7 | 50.00 | 99.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.3 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-001
**Client Sample ID:** TW4-33R_10282015
**Collection Date:** 10/28/2015 959h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/3/2015 1443h | E300.0 | 1.00 | < 1.00 | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1713h | E353.2 | 0.100 | < 0.100 | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-009C
**Client Sample ID:** TW4-34_10212015
**Collection Date:** 10/21/2015 1217h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 901h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.2 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.4 | 50.00 | 109 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.3 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.4 | 50.00 | 105 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-009
**Client Sample ID:** TW4-34_10212015
**Collection Date:** 10/21/2015 1217h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 445h | E300.0 | 10.0 | **15.8** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1451h | E353.2 | 0.100 | **0.368** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-002C
**Client Sample ID:** TW4-35_10282015
**Collection Date:** 10/28/2015 802h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 825h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.1 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.4 | 50.00 | 98.9 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.7 | 50.00 | 103 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-002
**Client Sample ID:** TW4-35_10282015
**Collection Date:** 10/28/2015 802h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/2/2015 1730h | E300.0 | 10.0 | **33.4** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1714h | E353.2 | 0.100 | **0.419** | |

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Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-007C
**Client Sample ID:** TW4-36_10212015
**Collection Date:** 10/21/2015 1006h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 822h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.4 | 50.00 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.9 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 50.2 | 50.00 | 101 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 52.6 | 50.00 | 105 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-007
**Client Sample ID:** TW4-36_10212015
**Collection Date:** 10/21/2015 1006h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 335h | E300.0 | 10.0 | **64.5** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1448h | E353.2 | 0.100 | < 0.100 | |

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Jose Rocha
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**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-022C
**Client Sample ID:** TW4-37_10192015
**Collection Date:** 10/19/2015 1434h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 2237h
**Units:** µg/L **Dilution Factor:** 100 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Chloroform | 67-66-3 | 100 | **19,500** | ~ |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 5,160 | 5,000 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 5,300 | 5,000 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 4,980 | 5,000 | 99.5 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 5,200 | 5,000 | 104 | 77-129 | |

*~ - The reporting limits were raised due to high analyte concentrations.*

**Analyzed:** 10/26/2015 1316h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | **12.5** | |
| Chloromethane | 74-87-3 | 1.00 | **9.38** | |
| Methylene chloride | 75-09-2 | 1.00 | **1.17** | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 52.0 | 50.00 | 104 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.0 | 50.00 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 51.0 | 50.00 | 102 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.8 | 50.00 | 104 | 77-129 | |



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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-022
**Client Sample ID:** TW4-37_10192015
**Collection Date:** 10/19/2015 1434h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1501h | E300.0 | 100 | **399** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1547h | E353.2 | 5.00 | **34.6** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-018C
**Client Sample ID:** TW4-60_10292015
**Collection Date:** 10/29/2015 900h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1339h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.9 | 50.00 | 102 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 53.9 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 48.6 | 50.00 | 97.3 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.5 | 50.00 | 103 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-018
**Client Sample ID:** TW4-60_10292015
**Collection Date:** 10/29/2015 900h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/4/2015 746h | E300.0 | 1.00 | < 1.00 | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1742h | E353.2 | 0.100 | < 0.100 | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-023C
**Client Sample ID:** TW4-65_10212015
**Collection Date:** 10/21/2015 858h
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 1801h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.6 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.8 | 50.00 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 48.7 | 50.00 | 97.4 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.2 | 50.00 | 102 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-023
**Client Sample ID:** TW4-65_10212015
**Collection Date:** 10/21/2015 858h
**Received Date:** 10/23/2015 1020h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 10/29/2015 1659h | E300.0 | 10.0 | **51.3** | |
| Nitrate/Nitrite (as N) | mg/L | | 10/29/2015 1511h | E353.2 | 1.00 | **18.9** | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-019C
**Client Sample ID:** TW4-70_10292015
**Collection Date:** 10/29/2015 810h
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1359h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 49.7 | 50.00 | 99.4 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 52.8 | 50.00 | 106 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 47.5 | 50.00 | 95.0 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 50.7 | 50.00 | 101 | 77-129 | |

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# INORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-019
**Client Sample ID:** TW4-70_10292015
**Collection Date:** 10/29/2015 810h
**Received Date:** 10/30/2015 1000h

**Analytical Results**

| Compound | Units | Date Prepared | Date Analyzed | Method Used | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|---|---|---|
| Chloride | mg/L | | 11/3/2015 1641h | E300.0 | 10.0 | **46.7** | |
| Nitrate/Nitrite (as N) | mg/L | | 11/7/2015 1743h | E353.2 | 0.100 | < 0.100 | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510489-024A
**Client Sample ID:** Trip Blank
**Collection Date:** 10/19/2015
**Received Date:** 10/23/2015 1020h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 10/26/2015 1821h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 51.6 | 50.00 | 103 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.8 | 50.00 | 110 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 49.0 | 50.00 | 98.0 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 49.8 | 50.00 | 99.6 | 77-129 | |

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# ORGANIC ANALYTICAL REPORT

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Sample ID:** 1510626-020A
**Client Sample ID:** Trip Blank
**Collection Date:** 10/28/2015
**Received Date:** 10/30/2015 1000h

Test Code: 8260-W-DEN100

**Analytical Results** VOAs by GC/MS Method 8260C/5030C

**Analyzed:** 11/2/2015 1438h
**Units:** µg/L **Dilution Factor:** 1 **Method:** SW8260C

| Compound | CAS Number | Reporting Limit | Analytical Result | Qual |
|---|---|---|---|---|
| Carbon tetrachloride | 56-23-5 | 1.00 | < 1.00 | |
| Chloroform | 67-66-3 | 1.00 | < 1.00 | |
| Chloromethane | 74-87-3 | 1.00 | < 1.00 | |
| Methylene chloride | 75-09-2 | 1.00 | < 1.00 | |

| Surrogate | CAS | Result | Amount Spiked | % REC | Limits | Qual |
|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 17060-07-0 | 50.7 | 50.00 | 101 | 72-151 | |
| Surr: 4-Bromofluorobenzene | 460-00-4 | 54.0 | 50.00 | 108 | 80-152 | |
| Surr: Dibromofluoromethane | 1868-53-7 | 48.6 | 50.00 | 97.2 | 80-124 | |
| Surr: Toluene-d8 | 2037-26-5 | 51.6 | 50.00 | 103 | 77-129 | |

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Laboratory Director

Jose Rocha
QA Officer



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Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 4th Quarter Chloroform 2015

Dear Garrin Palmer: Lab Set ID: 1510489

American West Analytical Laboratories received sample(s) on 10/23/2015 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2015.11.06 15:40:31 -07'00'

Approved by:
Laboratory Director or designee



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# SAMPLE SUMMARY

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510489
**Date Received:** 10/23/2015 1020h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---|---|---|---|---|
| 1510489-001A | TW4-03R_10202015 | 10/20/2015 650h | Aqueous | Anions, E300.0 |
| 1510489-001B | TW4-03R_10202015 | 10/20/2015 650h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-001C | TW4-03R_10202015 | 10/20/2015 650h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-002A | TW4-03_10212015 | 10/21/2015 858h | Aqueous | Anions, E300.0 |
| 1510489-002B | TW4-03_10212015 | 10/21/2015 858h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-002C | TW4-03_10212015 | 10/21/2015 858h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-003A | TW4-28_10212015 | 10/21/2015 930h | Aqueous | Anions, E300.0 |
| 1510489-003B | TW4-28_10212015 | 10/21/2015 930h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-003C | TW4-28_10212015 | 10/21/2015 930h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-004A | TW4-32_10212015 | 10/21/2015 938h | Aqueous | Anions, E300.0 |
| 1510489-004B | TW4-32_10212015 | 10/21/2015 938h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-004C | TW4-32_10212015 | 10/21/2015 938h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-005A | TW4-13_10212015 | 10/21/2015 948h | Aqueous | Anions, E300.0 |
| 1510489-005B | TW4-13_10212015 | 10/21/2015 948h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-005C | TW4-13_10212015 | 10/21/2015 948h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-006A | TW4-14_10212015 | 10/21/2015 957h | Aqueous | Anions, E300.0 |
| 1510489-006B | TW4-14_10212015 | 10/21/2015 957h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-006C | TW4-14_10212015 | 10/21/2015 957h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-007A | TW4-36_10212015 | 10/21/2015 1006h | Aqueous | Anions, E300.0 |
| 1510489-007B | TW4-36_10212015 | 10/21/2015 1006h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-007C | TW4-36_10212015 | 10/21/2015 1006h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-008A | TW4-31_10212015 | 10/21/2015 1210h | Aqueous | Anions, E300.0 |
| 1510489-008B | TW4-31_10212015 | 10/21/2015 1210h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-008C | TW4-31_10212015 | 10/21/2015 1210h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-009A | TW4-34_10212015 | 10/21/2015 1217h | Aqueous | Anions, E300.0 |
| 1510489-009B | TW4-34_10212015 | 10/21/2015 1217h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-009C | TW4-34_10212015 | 10/21/2015 1217h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-010A | TW4-25_10212015 | 10/21/2015 842h | Aqueous | Anions, E300.0 |
| 1510489-010B | TW4-25_10212015 | 10/21/2015 842h | Aqueous | Nitrite/Nitrate (as N), E353.2 |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc.
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510489
**Date Received:** 10/23/2015 1020h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---|---|---|---|---|
| 1510489-010C | TW4-25_10212015 | 10/21/2015 842h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-011A | TW4-24_10192015 | 10/19/2015 1414h | Aqueous | Anions, E300.0 |
| 1510489-011B | TW4-24_10192015 | 10/19/2015 1414h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-011C | TW4-24_10192015 | 10/19/2015 1414h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-012A | TW4-21_10192015 | 10/19/2015 1356h | Aqueous | Anions, E300.0 |
| 1510489-012B | TW4-21_10192015 | 10/19/2015 1356h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-012C | TW4-21_10192015 | 10/19/2015 1356h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-013A | TW4-01_10192015 | 10/19/2015 1517h | Aqueous | Anions, E300.0 |
| 1510489-013B | TW4-01_10192015 | 10/19/2015 1517h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-013C | TW4-01_10192015 | 10/19/2015 1517h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-014A | TW4-11_10192015 | 10/19/2015 1455h | Aqueous | Anions, E300.0 |
| 1510489-014B | TW4-11_10192015 | 10/19/2015 1455h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-014C | TW4-11_10192015 | 10/19/2015 1455h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-015A | TW4-04_10192015 | 10/19/2015 1524h | Aqueous | Anions, E300.0 |
| 1510489-015B | TW4-04_10192015 | 10/19/2015 1524h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-015C | TW4-04_10192015 | 10/19/2015 1524h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-016A | MW-04_10192015 | 10/19/2015 1510h | Aqueous | Anions, E300.0 |
| 1510489-016B | MW-04_10192015 | 10/19/2015 1510h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-016C | MW-04_10192015 | 10/19/2015 1510h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-017A | TW4-02_10192015 | 10/19/2015 1502h | Aqueous | Anions, E300.0 |
| 1510489-017B | TW4-02_10192015 | 10/19/2015 1502h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-017C | TW4-02_10192015 | 10/19/2015 1502h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-018A | MW-26_10192015 | 10/19/2015 1447h | Aqueous | Anions, E300.0 |
| 1510489-018B | MW-26_10192015 | 10/19/2015 1447h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-018C | MW-26_10192015 | 10/19/2015 1447h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-019A | TW4-22_10192015 | 10/19/2015 1426h | Aqueous | Anions, E300.0 |
| 1510489-019B | TW4-22_10192015 | 10/19/2015 1426h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-019C | TW4-22_10192015 | 10/19/2015 1426h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-020A | TW4-19_10192015 | 10/19/2015 1345h | Aqueous | Anions, E300.0 |
| 1510489-020B | TW4-19_10192015 | 10/19/2015 1345h | Aqueous | Nitrite/Nitrate (as N), E353.2 |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc.
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510489
**Date Received:** 10/23/2015 1020h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---|---|---|---|---|
| 1510489-020C | TW4-19_10192015 | 10/19/2015 1345h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-021A | TW4-20_10192015 | 10/19/2015 1440h | Aqueous | Anions, E300.0 |
| 1510489-021B | TW4-20_10192015 | 10/19/2015 1440h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-021C | TW4-20_10192015 | 10/19/2015 1440h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-022A | TW4-37_10192015 | 10/19/2015 1434h | Aqueous | Anions, E300.0 |
| 1510489-022B | TW4-37_10192015 | 10/19/2015 1434h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-022C | TW4-37_10192015 | 10/19/2015 1434h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-023A | TW4-65_10212015 | 10/21/2015 858h | Aqueous | Anions, E300.0 |
| 1510489-023B | TW4-65_10212015 | 10/21/2015 858h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-023C | TW4-65_10212015 | 10/21/2015 858h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-024A | Trip Blank | 10/19/2015 | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510489-025A | TW4-12_10212015 | 10/21/2015 915h | Aqueous | Anions, E300.0 |
| 1510489-025B | TW4-12_10212015 | 10/21/2015 915h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510489-025C | TW4-12_10212015 | 10/21/2015 915h | Aqueous | VOA by GC/MS Method 8260C/5030C |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# Inorganic Case Narrative

**Client:** Energy Fuels Resources, Inc.
**Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510489

---

**Sample Receipt Information:**

**Date of Receipt:** 10/23/2015
**Date(s) of Collection:** 10/19, 10/20, & 10/21/2015
**Sample Condition:** Intact
**C-O-C Discrepancies:** None

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries were outside of control limits on Nitrate/Nitrite for samples 1510489-001B and -021B due to sample matrix interference.

**Corrective Action:** None required.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# Volatile Case Narrative

| | |
|---|---|
| **Client:** | Energy Fuels Resources, Inc. |
| **Contact:** | Garrin Palmer |
| **Project:** | 4th Quarter Chloroform 2015 |
| **Lab Set ID:** | 1510489 |

**Sample Receipt Information:**

| | |
|---|---|
| **Date of Receipt:** | 10/23/2015 |
| **Date(s) of Collection:** | 10/19, 10/20, & 10/21/2015 |
| **Sample Condition:** | Intact |
| **C-O-C Discrepancies:** | None |
| **Method:** | SW-846 8260C/5030C |
| **Analysis:** | Volatile Organic Compounds |

**General Set Comments:** Multiple target analytes were observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** LCS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: LCS-R84499** Date Analyzed: 10/28/2015 1722h<br>Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.82 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 96.5 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R84575** Date Analyzed: 10/29/2015 1319h<br>Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.87 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 97.4 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R84558** Date Analyzed: 10/29/2015 1505h<br>Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 0.925 | mg/L | E353.2 | 0.00833 | 0.0100 | 1.000 | 0 | 92.5 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R84557** Date Analyzed: 10/29/2015 1354h<br>Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 0.982 | mg/L | E353.2 | 0.00833 | 0.0100 | 1.000 | 0 | 98.2 | 90 - 110 | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MBLK

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: MB-R84499** Date Analyzed: 10/28/2015 1705h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.00751 | 0.100 | | | | | | | | |
| **Lab Sample ID: MB-R84575** Date Analyzed: 10/29/2015 1303h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.00751 | 0.100 | | | | | | | | |
| **Lab Sample ID: MB-R84558** Date Analyzed: 10/29/2015 1458h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00833 | 0.0100 | | | | | | | | |
| **Lab Sample ID: MB-R84557** Date Analyzed: 10/29/2015 1352h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00833 | 0.0100 | | | | | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510489-011AMS** Date Analyzed: 10/29/2015 041h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,890 | mg/L | E300.0 | 1.50 | 20.0 | 1,000 | 909 | 98.2 | 90 - 110 | | | | |
| **Lab Sample ID: 1510489-007AMS** Date Analyzed: 10/29/2015 352h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 160 | mg/L | E300.0 | 0.150 | 2.00 | 100.0 | 64.5 | 95.9 | 90 - 110 | | | | |
| **Lab Sample ID: 1510489-019AMS** Date Analyzed: 10/29/2015 1353h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,540 | mg/L | E300.0 | 1.50 | 20.0 | 1,000 | 567 | 97.2 | 90 - 110 | | | | |
| **Lab Sample ID: 1510489-010BMS** Date Analyzed: 10/29/2015 1428h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.2 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 1.78 | 94.3 | 90 - 110 | | | | |
| **Lab Sample ID: 1510489-021BMS** Date Analyzed: 10/29/2015 1507h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 15.0 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 6.23 | 87.7 | 90 - 110 | | | | 1 |
| **Lab Sample ID: 1510489-001BMS** Date Analyzed: 10/29/2015 1356h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 0.854 | mg/L | E353.2 | 0.00833 | 0.0100 | 1.000 | 0 | 85.4 | 90 - 110 | | | | 1 |

*[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MSD

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510489-011AMSD** Date Analyzed: 10/29/2015 059h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,900 | mg/L | E300.0 | 1.50 | 20.0 | 1,000 | 909 | 98.6 | 90 - 110 | 1890 | 0.259 | 20 | |
| **Lab Sample ID: 1510489-007AMSD** Date Analyzed: 10/29/2015 410h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 160 | mg/L | E300.0 | 0.150 | 2.00 | 100.0 | 64.5 | 95.8 | 90 - 110 | 160 | 0.0674 | 20 | |
| **Lab Sample ID: 1510489-019AMSD** Date Analyzed: 10/29/2015 1410h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 1,530 | mg/L | E300.0 | 1.50 | 20.0 | 1,000 | 567 | 96.3 | 90 - 110 | 1540 | 0.559 | 20 | |
| **Lab Sample ID: 1510489-010BMSD** Date Analyzed: 10/29/2015 1430h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.6 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 1.78 | 98.4 | 90 - 110 | 11.2 | 3.59 | 10 | |
| **Lab Sample ID: 1510489-021BMSD** Date Analyzed: 10/29/2015 1509h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 15.0 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 6.23 | 88.0 | 90 - 110 | 15 | 0.200 | 10 | [1] |
| **Lab Sample ID: 1510489-001BMSD** Date Analyzed: 10/29/2015 1358h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 0.871 | mg/L | E353.2 | 0.00833 | 0.0100 | 1.000 | 0 | 87.1 | 90 - 110 | 0.854 | 1.98 | 10 | [1] |

[1] - *Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.*



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** LCS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: LCS VOC-2 102515A** Date Analyzed: 10/25/2015 1914h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 19.3 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 96.4 | 67 - 132 | | | | |
| Methylene chloride | 24.0 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 120 | 32 - 185 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 52.8 | µg/L | SW8260C | | | 50.00 | | 106 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 49.2 | µg/L | SW8260C | | | 50.00 | | 98.4 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 51.4 | µg/L | SW8260C | | | 50.00 | | 103 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 50.9 | µg/L | SW8260C | | | 50.00 | | 102 | 81 - 135 | | | | |
| **Lab Sample ID: LCS VOC-2 102615A** Date Analyzed: 10/26/2015 723h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 19.0 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 95.0 | 67 - 132 | | | | |
| Methylene chloride | 18.0 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 90.1 | 32 - 185 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.0 | µg/L | SW8260C | | | 50.00 | | 102 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 50.7 | µg/L | SW8260C | | | 50.00 | | 101 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 51.7 | µg/L | SW8260C | | | 50.00 | | 103 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 51.5 | µg/L | SW8260C | | | 50.00 | | 103 | 81 - 135 | | | | |
| **Lab Sample ID: LCS VOC-2 102615B** Date Analyzed: 10/26/2015 1644h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 21.8 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 109 | 67 - 132 | | | | |
| Methylene chloride | 21.1 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 105 | 32 - 185 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 52.4 | µg/L | SW8260C | | | 50.00 | | 105 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 50.0 | µg/L | SW8260C | | | 50.00 | | 100 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 51.4 | µg/L | SW8260C | | | 50.00 | | 103 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 50.7 | µg/L | SW8260C | | | 50.00 | | 101 | 81 - 135 | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MBLK

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: MB VOC-2 102515A** | Date Analyzed: | 10/25/2015 1953h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260C | 0.504 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260C | 0.153 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260C | 0.163 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260C | 0.172 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 53.5 | µg/L | SW8260C | | | 50.00 | | 107 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 52.8 | µg/L | SW8260C | | | 50.00 | | 106 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 51.6 | µg/L | SW8260C | | | 50.00 | | 103 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 52.4 | µg/L | SW8260C | | | 50.00 | | 105 | 81 - 135 | | | | |
| **Lab Sample ID: MB VOC-2 102615A** | Date Analyzed: | 10/26/2015 802h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260C | 0.504 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260C | 0.153 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260C | 0.163 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260C | 0.172 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 50.3 | µg/L | SW8260C | | | 50.00 | | 101 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 53.4 | µg/L | SW8260C | | | 50.00 | | 107 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 50.0 | µg/L | SW8260C | | | 50.00 | | 100 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 51.8 | µg/L | SW8260C | | | 50.00 | | 104 | 81 - 135 | | | | |
| **Lab Sample ID: MB VOC-2 102615B** | Date Analyzed: | 10/26/2015 1724h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260C | 0.504 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260C | 0.153 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260C | 0.163 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260C | 0.172 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.6 | µg/L | SW8260C | | | 50.00 | | 103 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 53.2 | µg/L | SW8260C | | | 50.00 | | 106 | 80 - 152 | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MBLK

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: MB VOC-2 102615B** | Date Analyzed: | 10/26/2015 1724h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Surr: Dibromofluoromethane | 49.2 | µg/L | SW8260C | | | 50.00 | | 98.5 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 50.0 | µg/L | SW8260C | | | 50.00 | | 100 | 81 - 135 | | | | |



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Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510467-001AMS** | Date Analyzed: | 10/25/2015 2219h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 207 | µg/L | SW8260C | 1.53 | 10.0 | 200.0 | 0 | 103 | 50 - 146 | | | | |
| Methylene chloride | 223 | µg/L | SW8260C | 1.72 | 10.0 | 200.0 | 0 | 112 | 30 - 192 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 512 | µg/L | SW8260C | | | 500.0 | | 102 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 503 | µg/L | SW8260C | | | 500.0 | | 101 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 500 | µg/L | SW8260C | | | 500.0 | | 99.9 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 498 | µg/L | SW8260C | | | 500.0 | | 99.6 | 77 - 129 | | | | |
| **Lab Sample ID: 1510489-012CMS** | Date Analyzed: | 10/26/2015 1514h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 540 | µg/L | SW8260C | 1.53 | 10.0 | 200.0 | 339 | 101 | 50 - 146 | | | | |
| Methylene chloride | 210 | µg/L | SW8260C | 1.72 | 10.0 | 200.0 | 0 | 105 | 30 - 192 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 524 | µg/L | SW8260C | | | 500.0 | | 105 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 504 | µg/L | SW8260C | | | 500.0 | | 101 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 512 | µg/L | SW8260C | | | 500.0 | | 102 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 502 | µg/L | SW8260C | | | 500.0 | | 100 | 77 - 129 | | | | |
| **Lab Sample ID: 1510489-013CMS** | Date Analyzed: | 10/26/2015 1920h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 1,500 | µg/L | SW8260C | 3.06 | 20.0 | 400.0 | 1050 | 114 | 50 - 146 | | | | |
| Methylene chloride | 421 | µg/L | SW8260C | 3.44 | 20.0 | 400.0 | 0 | 105 | 30 - 192 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 1,010 | µg/L | SW8260C | | | 1,000 | | 101 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 1,020 | µg/L | SW8260C | | | 1,000 | | 102 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 990 | µg/L | SW8260C | | | 1,000 | | 99.0 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 1,030 | µg/L | SW8260C | | | 1,000 | | 103 | 77 - 129 | | | | |



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Kyle F. Gross
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QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510489
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MSD

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510467-001AMSD** Date Analyzed: 10/25/2015 2239h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 185 | µg/L | SW8260C | 1.53 | 10.0 | 200.0 | 0 | 92.5 | 50 - 146 | 207 | 11.1 | 25 | |
| Methylene chloride | 200 | µg/L | SW8260C | 1.72 | 10.0 | 200.0 | 0 | 100 | 30 - 192 | 223 | 10.8 | 25 | |
| Surr: 1,2-Dichloroethane-d4 | 518 | µg/L | SW8260C | | | 500.0 | | 104 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 513 | µg/L | SW8260C | | | 500.0 | | 103 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 503 | µg/L | SW8260C | | | 500.0 | | 101 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 506 | µg/L | SW8260C | | | 500.0 | | 101 | 77 - 129 | | | | |
| **Lab Sample ID: 1510489-012CMSD** Date Analyzed: 10/26/2015 1534h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 554 | µg/L | SW8260C | 1.53 | 10.0 | 200.0 | 339 | 107 | 50 - 146 | 540 | 2.47 | 25 | |
| Methylene chloride | 212 | µg/L | SW8260C | 1.72 | 10.0 | 200.0 | 0 | 106 | 30 - 192 | 210 | 1.23 | 25 | |
| Surr: 1,2-Dichloroethane-d4 | 523 | µg/L | SW8260C | | | 500.0 | | 105 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 502 | µg/L | SW8260C | | | 500.0 | | 100 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 511 | µg/L | SW8260C | | | 500.0 | | 102 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 507 | µg/L | SW8260C | | | 500.0 | | 101 | 77 - 129 | | | | |
| **Lab Sample ID: 1510489-013CMSD** Date Analyzed: 10/26/2015 1940h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 1,430 | µg/L | SW8260C | 3.06 | 20.0 | 400.0 | 1050 | 97.2 | 50 - 146 | 1500 | 4.67 | 25 | |
| Methylene chloride | 411 | µg/L | SW8260C | 3.44 | 20.0 | 400.0 | 0 | 103 | 30 - 192 | 421 | 2.40 | 25 | |
| Surr: 1,2-Dichloroethane-d4 | 1,010 | µg/L | SW8260C | | | 1,000 | | 101 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 1,040 | µg/L | SW8260C | | | 1,000 | | 104 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 985 | µg/L | SW8260C | | | 1,000 | | 98.5 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 1,050 | µg/L | SW8260C | | | 1,000 | | 105 | 77 - 129 | | | | |



All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

# American West Analytical Laboratories

UL
Denison

## WORK ORDER Summary

Work Order: **1510489**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/3/2015

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** **4th Quarter Chloroform 2015**

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510489-001A | **TW4-03R_10202015** | 10/20/2015 0650h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-001B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-001C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-002A | **TW4-03_10212015** | 10/21/2015 0858h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-002B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-002C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-003A | **TW4-28_10212015** | 10/21/2015 0930h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-003B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-003C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-004A | **TW4-32_10212015** | 10/21/2015 0938h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-004B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-004C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-005A | **TW4-13_10212015** | 10/21/2015 0948h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-005B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-005C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |

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# WORK ORDER Summary

Work Order: **1510489**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/3/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510489-006A | **TW4-14_10212015** | 10/21/2015 0957h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-006B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-006C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-007A | **TW4-36_10212015** | 10/21/2015 1006h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-007B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-007C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-008A | **TW4-31_10212015** | 10/21/2015 1210h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-008B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-008C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-009A | **TW4-34_10212015** | 10/21/2015 1217h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-009B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-009C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-010A | **TW4-25_10212015** | 10/21/2015 0842h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-010B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-010C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-011A | **TW4-24_10192015** | 10/19/2015 1414h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-011B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-011C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-012A | **TW4-21_10192015** | 10/19/2015 1356h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |



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# WORK ORDER Summary

Work Order: **1510489**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/3/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510489-012B | **TW4-21_10192015** | 10/19/2015 1356h | 10/23/2015 1020h | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | Aqueous | ☑ | df - no2/no3 | 1 |
| 1510489-012C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-013A | **TW4-01_10192015** | 10/19/2015 1517h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-013B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-013C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-014A | **TW4-11_10192015** | 10/19/2015 1455h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-014B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-014C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-015A | **TW4-04_10192015** | 10/19/2015 1524h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-015B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-015C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-016A | **MW-04_10192015** | 10/19/2015 1510h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-016B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-016C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-017A | **TW4-02_10192015** | 10/19/2015 1502h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-017B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |
| 1510489-017C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | ☑ | VOCFridge | 3 |
| 1510489-018A | **MW-26_10192015** | 10/19/2015 1447h | 10/23/2015 1020h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | ☑ | df - wc | 1 |
| 1510489-018B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | ☑ | df - no2/no3 | |

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# WORK ORDER Summary

Work Order: **1510489** 

**Client:** Energy Fuels Resources, Inc.

Due Date: 11/3/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510489-018C | **MW-26_10192015** | 10/19/2015 1447h | 10/23/2015 1020h | **8260-W-DEN100** | Aqueous | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-019A | **TW4-22_10192015** | 10/19/2015 1426h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-019B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510489-019C | | | | **8260-W-DEN100** | | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-020A | **TW4-19_10192015** | 10/19/2015 1345h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-020B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510489-020C | | | | **8260-W-DEN100** | | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-021A | **TW4-20_10192015** | 10/19/2015 1440h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-021B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510489-021C | | | | **8260-W-DEN100** | | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-022A | **TW4-37_10192015** | 10/19/2015 1434h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-022B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510489-022C | | | | **8260-W-DEN100** | | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-023A | **TW4-65_10212015** | 10/21/2015 0858h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-023B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510489-023C | | | | **8260-W-DEN100** | | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-024A | **Trip Blank** | 10/19/2015 | 10/23/2015 1020h | **8260-W-DEN100** | Aqueous | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510489-025A | **TW4-12_10212015** | 10/21/2015 0915h | 10/23/2015 1020h | **300.0-W** | Aqueous | ☑ | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510489-025B | | | | **NO2/NO3-W-353.2** | | ☑ | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |



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# WORK ORDER Summary

Work Order: **1510489**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/3/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510489-025C | **TW4-12_10212015** | 10/21/2015 0915h | 10/23/2015 1020h | **8260-W-DEN100** | Aqueous | ☑ | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |



FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_ _ _ _ HOK_ _ _ _ HOK_ _ _ _ COC Emailed_ _ _ _ _ _ _

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Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

# CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

15 10489
AWAL Lab Sample Set #
Page 1 of 2

| QC Level: | Turn Around Time: | Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due. | Due Date: |
|---|---|---|---|
| 3 | Standard | | |

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th QUARTER CHLOROFORM 2015
Project #:
PO #:
Sampler Name: TANNER HOLLIDAY

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

| | Sample ID: | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO2/NO3 (353.2) | Cl (4500 or 300.0) | VOCs (8260C) | Known Hazards & Sample Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1 | TW4-03R_10202015 | 10/20/2015 | 650 | 5 | W | X | X | X | |
| 2 | TW403_10212015 | 10/21/2015 | 858 | 5 | W | X | X | X | * Bottle read TW4-03 |
| 3 | TW4-28_10212015 | 10/21/2015 | 930 | 5 | W | X | X | X | |
| 4 | TW4-32_10212015 | 10/21/2015 | 938 | 5 | W | X | X | X | |
| 5 | TW4-13_10212015 | 10/21/2015 | 948 | 5 | W | X | X | X | |
| 6 | TW4-14_10212015 | 10/21/2015 | 957 | 5 | W | X | X | X | |
| 7 | TW4-36_10212015 | 10/21/2015 | 1006 | 5 | W | X | X | X | |
| 8 | TW4-31_10212015 | 10/21/2015 | 1210 | 5 | W | X | X | X | |
| 9 | TW4-34_10212015 | 10/21/2015 | 1217 | 5 | W | X | X | X | |
| 10 | TW4-25_10212015 | 10/21/2015 | 842 | 5 | W | X | X | X | |
| | TW4-24_10192015 | 10/19/2015 | 1414 | 5 | W | X | X | X | |
| 11 | TW4-21_10192015 | 10/19/2015 | 1356 | 5 | W | X | X | X | |
| 12 | TW4-01_10192015 | 10/19/2015 | 1517 | 5 | W | X | X | X | |

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.0 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N
*

| Relinquished by: | Date: | Received by: | Date: |
|---|---|---|---|
| Signature: Tanner Holliday | 10/22/2015 | Signature: | |
| Print Name: Tanner Holliday | Time: 1230 | Print Name: | Time: |
| Relinquished by: | Date: | Received by: | Date: 10/23/15 |
| Signature: | | Signature: Elma Hayes | |
| Print Name: | Time: | Print Name: Elma Hayes | Time: 1020 |
| Relinquished by: | Date: | Received by: | Date: |
| Signature: | | Signature: | |
| Print Name: | Time: | Print Name: | Time: |
| Relinquished by: | Date: | Received by: | Date: |
| Signature: | | Signature: | |
| Print Name: | Time: | Print Name: | Time: |

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
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Phone # (801) 263-8686 Toll Free # (888) 263-8686
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www.awal-labs.com

# CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

15/0489
AWAL Lab Sample Set #
Page 2 of 2

| QC Level: | Turn Around Time: | Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due. | Due Date: |
|---|---|---|---|
| 3 | Standard | | |

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th QUARTER CHLOROFORM 2015
Project #:
PO #:
Sampler Name: TANNER HOLLIDAY

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

| | Sample ID: | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO2/NO3 (353.2) | Cl (4500 or 300.0) | VOCs (8260C) | Known Hazards & Sample Comments |
|---|---|---|---|---|---|---|---|---|---|
| 14 | TW4-11_10192015 | 10/19/2015 | 1455 | 5 | W | X | X | X | |
| 15 | TW4-04_10192015 | 10/19/2015 | 1524 | 5 | W | X | X | X | * Cl bottle need TW4-01_10192015 |
| 16 | MW-04_10192015 | 10/19/2015 | 1510 | 5 | W | X | X | X | |
| 17 | TW4-02_10192015 | 10/19/2015 | 1502 | 5 | W | X | X | X | |
| 18 | MW-26_10192015 | 10/19/2015 | 1447 | 5 | W | X | X | X | |
| 19 | TW4-22_10192015 | 10/19/2015 | 1426 | 5 | W | X | X | X | |
| 20 | TW4-19_10192015 | 10/19/2015 | 1345 | 5 | W | X | X | X | |
| 21 | TW4-20_10192015 | 10/19/2015 | 1440 | 5 | W | X | X | X | |
| 22 | TW4-37_10192015 | 10/19/2015 | 1434 | 5 | W | X | X | X | |
| 23 | TW4-65_10212015 | 10/21/2015 | 858 | 5 | W | X | X | X | |
| 24 | TRIP BLANK | 10/19/2015 | | 3 | W | | | X | |
| 11 | TEMP BLANK | 10/22/2015 | | 1 | W | | | | |
| 25 | TW4-12_10212015 | 10/21/2015 | 915 | 5 | W | X | X | X | |

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.0 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N
*

| Relinquished by: Signature | Date: | Received by: Signature | Date: |
|---|---|---|---|
| Print Name: Tanner Holliday | Time: 1230 | Print Name: | Time: |
| Relinquished by: Signature | Date: | Received by: Signature | Date: 10/23/15 |
| Print Name: | Time: | Print Name: Elma Hayes | Time: 1020 |
| Relinquished by: Signature | Date: | Received by: Signature | Date: |
| Print Name: | Time: | Print Name: | Time: |
| Relinquished by: Signature | Date: | Received by: Signature | Date: |
| Print Name: | Time: | Print Name: | Time: |

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

| Contaminant | Analytical Methods to be Used | Reporting Limit | Maximum Holding Times | Sample Preservation Requirements | Sample Temperature Requirements |
|---|---|---|---|---|---|
| General Inorganics | | | | | |
| Chloride | A4500-Cl B or A4500-Cl E or E300.0 | 1 mg/L | 28 days | None | ≤ 6°C |
| Sulfate | A4500-SO4 E or E300.0 | 1 mg/L | 28 days | None | ≤ 6°C |
| Carbonate as CO3 | A2320 B | 1 mg/L | 14 days | None | ≤ 6°C |
| Bicarbonate as HCO3 | A2320 B | 1 mg/L | 14 days | None | |
| Volatile Organic Compounds –Chloroform Program | | | | | |
| Carbon Tetrachloride | SW8260B or SW8260C | 1.0 µg/L | 14 days | HCl to pH<2 | ≤ 6°C |
| Chloroform | SW8260B or SW8260C | 1.0 µg/L | 14 days | HCl to pH<2 | ≤ 6°C |
| Dichloromethane (Methylene Chloride) | SW8260B or SW8260C | 1.0 µg/L | 14 days | HCl to pH<2 | ≤ 6°C |
| Chloromethane | SW8260B or SW8260C | 1.0 µg/L | 14 days | HCl to pH<2 | ≤ 6°C |
| SVOCs – Tailings Impoundment Samples Only | | | | | |
| 1,2,4-Trichlorobenzene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 1,2-Dichlorobenzene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 1,3-Dichlorobenzene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 1,4-Dichlorobenzene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 1-Methylnaphthalene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4,5-Trichlorophenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4,6-Trichlorophenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4-Dichlorophenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4-Dimethylphenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4-Dinitrophenol | SW8270D | <20 ug/L | 7/40 days | None | ≤ 6°C |
| 2,4-Dinitrotoluene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2,6-Dinitrotoluene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2-Chloronaphthalene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2-Chlorophenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2-Methylnaphthalene | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2-Methylphenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 2-Nitrophenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 3&4-Methylphenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 3,3′-Dichlorobenzidine | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |
| 4,6-Dinitro-2-methylphenol | SW8270D | <10 ug/L | 7/40 days | None | ≤ 6°C |

Lab Set ID: 1510489

## Preservation Check Sheet

### Sample Set Extension and pH

| Analysis | Preservative | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| COD | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| Cyanide | pH >12 NaOH | | | | | | | | | | | | | | | | | | |
| Metals | pH <2 $HNO_3$ | | | | | | | | | | | | | | | | | | |
| $NO_2$ & $NO_3$ | pH <2 $H_2SO_4$ | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| Sulfide | pH > 9NaOH, Zn Acetate | | | | | | | | | | | | | | | | | | |
| TKN | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| T $PO_4$ | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
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Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

Lab Set ID: 1510489

## Preservation Check Sheet

### Sample Set Extension and pH

| Analysis | Preservative | 19 | 20 | 21 | 22 | 23 | 25 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| COD | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| Cyanide | pH >12 NaOH | | | | | | | | | | | | | | | | | | |
| Metals | pH <2 $HNO_3$ | | | | | | | | | | | | | | | | | | |
| $NO_2$ & $NO_3$ | pH <2 $H_2SO_4$ | Yes | Yes | Yes | Yes | Yes | Yes | | | | | | | | | | | | |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| Sulfide | pH > 9NaOH, Zn Acetate | | | | | | | | | | | | | | | | | | |
| TKN | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
| T $PO_4$ | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | |
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Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

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ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 4th Quarter Chloroform 2015

Dear Garrin Palmer: Lab Set ID: 1510626

American West Analytical Laboratories received sample(s) on 10/30/2015 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha — Digitally signed by Jose G. Rocha DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US Date: 2015.11.19 13:51:34 -07'00'

Laboratory Director or designee



All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

# SAMPLE SUMMARY

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510626
**Date Received:** 10/30/2015 1000h

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---|---|---|---|---|
| 1510626-001A | TW4-33R_10282015 | 10/28/2015 959h | Aqueous | Anions, E300.0 |
| 1510626-001B | TW4-33R_10282015 | 10/28/2015 959h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-001C | TW4-33R_10282015 | 10/28/2015 959h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-002A | TW4-35_10282015 | 10/28/2015 802h | Aqueous | Anions, E300.0 |
| 1510626-002B | TW4-35_10282015 | 10/28/2015 802h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-002C | TW4-35_10282015 | 10/28/2015 802h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-003A | TW4-23_10282015 | 10/28/2015 810h | Aqueous | Anions, E300.0 |
| 1510626-003B | TW4-23_10282015 | 10/28/2015 810h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-003C | TW4-23_10282015 | 10/28/2015 810h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-004A | MW-32_10282015 | 10/28/2015 1400h | Aqueous | Anions, E300.0 |
| 1510626-004B | MW-32_10282015 | 10/28/2015 1400h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-004C | MW-32_10282015 | 10/28/2015 1400h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-005A | TW4-27_10282015 | 10/28/2015 821h | Aqueous | Anions, E300.0 |
| 1510626-005B | TW4-27_10282015 | 10/28/2015 821h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-005C | TW4-27_10282015 | 10/28/2015 821h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-006A | TW4-30_10282015 | 10/28/2015 827h | Aqueous | Anions, E300.0 |
| 1510626-006B | TW4-30_10282015 | 10/28/2015 827h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-006C | TW4-30_10282015 | 10/28/2015 827h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-007A | TW4-26_10282015 | 10/28/2015 837h | Aqueous | Anions, E300.0 |
| 1510626-007B | TW4-26_10282015 | 10/28/2015 837h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-007C | TW4-26_10282015 | 10/28/2015 837h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-008A | TW4-05_10282015 | 10/28/2015 844h | Aqueous | Anions, E300.0 |
| 1510626-008B | TW4-05_10282015 | 10/28/2015 844h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-008C | TW4-05_10282015 | 10/28/2015 844h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-009A | TW4-18_10282015 | 10/28/2015 852h | Aqueous | Anions, E300.0 |
| 1510626-009B | TW4-18_10282015 | 10/28/2015 852h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-009C | TW4-18_10282015 | 10/28/2015 852h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-010A | TW4-09_10282015 | 10/28/2015 900h | Aqueous | Anions, E300.0 |
| 1510626-010B | TW4-09_10282015 | 10/28/2015 900h | Aqueous | Nitrite/Nitrate (as N), E353.2 |



All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

**Client:** Energy Fuels Resources, Inc.
**Project:** 4th Quarter Chloroform 2015
**Lab Set ID:** 1510626
**Date Received:** 10/30/2015 1000h

**Contact:** Garrin Palmer

| Lab Sample ID | Client Sample ID | Date Collected | Matrix | Analysis |
|---|---|---|---|---|
| 1510626-010C | TW4-09_10282015 | 10/28/2015 900h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-011A | TW4-16_10282015 | 10/28/2015 906h | Aqueous | Anions, E300.0 |
| 1510626-011B | TW4-16_10282015 | 10/28/2015 906h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-011C | TW4-16_10282015 | 10/28/2015 906h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-012A | TW4-33_10292015 | 10/29/2015 800h | Aqueous | Anions, E300.0 |
| 1510626-012B | TW4-33_10292015 | 10/29/2015 800h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-012C | TW4-33_10292015 | 10/29/2015 800h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-013A | TW4-29_10292015 | 10/29/2015 807h | Aqueous | Anions, E300.0 |
| 1510626-013B | TW4-29_10292015 | 10/29/2015 807h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-013C | TW4-29_10292015 | 10/29/2015 807h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-014A | TW4-08_10292015 | 10/29/2015 815h | Aqueous | Anions, E300.0 |
| 1510626-014B | TW4-08_10292015 | 10/29/2015 815h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-014C | TW4-08_10292015 | 10/29/2015 815h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-015A | TW4-07_10292015 | 10/29/2015 821h | Aqueous | Anions, E300.0 |
| 1510626-015B | TW4-07_10292015 | 10/29/2015 821h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-015C | TW4-07_10292015 | 10/29/2015 821h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-016A | TW4-06_10292015 | 10/29/2015 826h | Aqueous | Anions, E300.0 |
| 1510626-016B | TW4-06_10292015 | 10/29/2015 826h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-016C | TW4-06_10292015 | 10/29/2015 826h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-017A | TW4-10_10292015 | 10/29/2015 835h | Aqueous | Anions, E300.0 |
| 1510626-017B | TW4-10_10292015 | 10/29/2015 835h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-017C | TW4-10_10292015 | 10/29/2015 835h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-018A | TW4-60_10292015 | 10/29/2015 900h | Aqueous | Anions, E300.0 |
| 1510626-018B | TW4-60_10292015 | 10/29/2015 900h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-018C | TW4-60_10292015 | 10/29/2015 900h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-019A | TW4-70_10292015 | 10/29/2015 810h | Aqueous | Anions, E300.0 |
| 1510626-019B | TW4-70_10292015 | 10/29/2015 810h | Aqueous | Nitrite/Nitrate (as N), E353.2 |
| 1510626-019C | TW4-70_10292015 | 10/29/2015 810h | Aqueous | VOA by GC/MS Method 8260C/5030C |
| 1510626-020A | Trip Blank | 10/28/2015 | Aqueous | VOA by GC/MS Method 8260C/5030C |



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# Inorganic Case Narrative

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

| | |
|---|---|
| **Client:** | Energy Fuels Resources, Inc. |
| **Contact:** | Garrin Palmer |
| **Project:** | 4th Quarter Chloroform 2015 |
| **Lab Set ID:** | 1510626 |

**Sample Receipt Information:**

| | |
|---|---|
| **Date of Receipt:** | 10/30/2015 |
| **Date(s) of Collection:** | 10/28 & 10/29/2015 |
| **Sample Condition:** | Intact |
| **C-O-C Discrepancies:** | None |

**Holding Time and Preservation Requirements:** The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

**Preparation and Analysis Requirements:** The samples were analyzed following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, DUP:

**Method Blanks (MB):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Samples (LCS):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicates (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Duplicate (DUP):** The parameters that required a duplicate analysis had RPDs within the control limits.

**Corrective Action:** None required.



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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# Volatile Case Narrative

| | |
|---|---|
| **Client:** | Energy Fuels Resources, Inc. |
| **Contact:** | Garrin Palmer |
| **Project:** | 4th Quarter Chloroform 2015 |
| **Lab Set ID:** | 1510626 |

**Sample Receipt Information:**

| | |
|---|---|
| **Date of Receipt:** | 10/30/2015 |
| **Date(s) of Collection:** | 10/28 & 10/29/2015 |
| **Sample Condition:** | Intact |
| **C-O-C Discrepancies:** | None |
| **Method:** | SW-846 8260C/5030C |
| **Analysis:** | Volatile Organic Compounds |

**General Set Comments:** Multiple target analytes were observed above reporting limits.

**Holding Time and Preservation Requirements:** All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

**Analytical QC Requirements:** All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

**Batch QC Requirements:** MB, LCS, MS, MSD, RPD, and Surrogates:

**Method Blanks (MBs):** No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

**Laboratory Control Sample (LCSs):** All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

**Matrix Spike / Matrix Spike Duplicate (MS/MSD):** All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

**Surrogates:** All surrogate recoveries were within established limits.

**Corrective Action:** None required.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** DUP

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510626-010ADUP** Date Analyzed: 11/12/2015 2328h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 28.7 | mg/L | E300.0 | 0.0751 | 1.00 | | | | | 29.2 | 1.49 | 20 | |



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Kyle F. Gross
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Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** LCS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: LCS** Date Analyzed: 11/02/2015 1119h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.92 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 98.5 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R84728** Date Analyzed: 11/03/2015 1427h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.89 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 97.8 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R85059** Date Analyzed: 11/12/2015 1818h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.90 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 98.0 | 90 - 110 | | | | |
| **Lab Sample ID: LCS-R84850** Date Analyzed: 11/07/2015 1712h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 0.966 | mg/L | E353.2 | 0.00833 | 0.0100 | 1.000 | 0 | 96.6 | 90 - 110 | | | | |



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Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MBLK

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: MB** Date Analyzed: 11/02/2015 1102h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.00751 | 0.100 | | | | | | | | |
| **Lab Sample ID: MB-R84728** Date Analyzed: 11/03/2015 1410h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.00751 | 0.100 | | | | | | | | |
| **Lab Sample ID: MB-R85059** Date Analyzed: 11/12/2015 1801h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | < 0.100 | mg/L | E300.0 | 0.00751 | 0.100 | | | | | | | | |
| **Lab Sample ID: MB-R84850** Date Analyzed: 11/07/2015 1711h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | < 0.0100 | mg/L | E353.2 | 0.00833 | 0.0100 | | | | | | | | |



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Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510626-011AMS** Date Analyzed: 11/02/2015 2050h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 156 | mg/L | E300.0 | 0.150 | 2.00 | 100.0 | 58.3 | 98.1 | 90 - 110 | | | | |
| **Lab Sample ID: 1510626-001AMS** Date Analyzed: 11/03/2015 1500h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.92 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 98.4 | 90 - 110 | | | | |
| **Lab Sample ID: 1510526-006BMS** Date Analyzed: 11/07/2015 1718h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.0 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 1.86 | 91.2 | 90 - 110 | | | | |
| **Lab Sample ID: 1510626-014BMS** Date Analyzed: 11/07/2015 1733h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.9 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 2.2 | 96.7 | 90 - 110 | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** WC
**QC Type:** MSD

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510626-011AMSD** Date Analyzed: 11/02/2015 2107h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 157 | mg/L | E300.0 | 0.150 | 2.00 | 100.0 | 58.3 | 98.3 | 90 - 110 | 0 | 0 | 20 | |
| **Lab Sample ID: 1510626-001AMSD** Date Analyzed: 11/03/2015 1517h | | | | | | | | | | | | | |
| Test Code: 300.0-W | | | | | | | | | | | | | |
| Chloride | 4.92 | mg/L | E300.0 | 0.00751 | 0.100 | 5.000 | 0 | 98.5 | 90 - 110 | 4.92 | 0.0481 | 20 | |
| **Lab Sample ID: 1510626-006BMSD** Date Analyzed: 11/07/2015 1719h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.5 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 1.86 | 96.7 | 90 - 110 | 11 | 4.89 | 10 | |
| **Lab Sample ID: 1510626-014BMSD** Date Analyzed: 11/07/2015 1733h | | | | | | | | | | | | | |
| Test Code: NO2/NO3-W-353.2 | | | | | | | | | | | | | |
| Nitrate/Nitrite (as N) | 11.7 | mg/L | E353.2 | 0.0833 | 0.100 | 10.00 | 2.2 | 95.0 | 90 - 110 | 11.9 | 1.44 | 10 | |



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Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** LCS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: LCS VOC-2 110215A** Date Analyzed: 11/02/2015 707h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 19.0 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 95.2 | 67 - 132 | | | | |
| Methylene chloride | 16.6 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 83.0 | 32 - 185 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.0 | µg/L | SW8260C | | | 50.00 | | 102 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 50.0 | µg/L | SW8260C | | | 50.00 | | 100 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 51.1 | µg/L | SW8260C | | | 50.00 | | 102 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 50.4 | µg/L | SW8260C | | | 50.00 | | 101 | 81 - 135 | | | | |
| **Lab Sample ID: LCS VOC-2 110215B** Date Analyzed: 11/02/2015 1648h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 18.4 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 92.0 | 67 - 132 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 50.7 | µg/L | SW8260C | | | 50.00 | | 101 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 50.3 | µg/L | SW8260C | | | 50.00 | | 101 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 50.5 | µg/L | SW8260C | | | 50.00 | | 101 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 50.6 | µg/L | SW8260C | | | 50.00 | | 101 | 81 - 135 | | | | |



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Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MBLK

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: MB VOC-2 110215A** Date Analyzed: 11/02/2015 746h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Carbon tetrachloride | < 1.00 | µg/L | SW8260C | 0.504 | 1.00 | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260C | 0.153 | 1.00 | | | | | | | | |
| Chloromethane | < 1.00 | µg/L | SW8260C | 0.163 | 1.00 | | | | | | | | |
| Methylene chloride | < 1.00 | µg/L | SW8260C | 0.172 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.1 | µg/L | SW8260C | | | 50.00 | | 102 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 54.3 | µg/L | SW8260C | | | 50.00 | | 109 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 49.9 | µg/L | SW8260C | | | 50.00 | | 99.7 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 52.9 | µg/L | SW8260C | | | 50.00 | | 106 | 81 - 135 | | | | |
| **Lab Sample ID: MB VOC-2 110215B** Date Analyzed: 11/02/2015 1727h | | | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | < 1.00 | µg/L | SW8260C | 0.153 | 1.00 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 50.6 | µg/L | SW8260C | | | 50.00 | | 101 | 76 - 138 | | | | |
| Surr: 4-Bromofluorobenzene | 53.8 | µg/L | SW8260C | | | 50.00 | | 108 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 48.8 | µg/L | SW8260C | | | 50.00 | | 97.7 | 67 - 128 | | | | |
| Surr: Toluene-d8 | 52.0 | µg/L | SW8260C | | | 50.00 | | 104 | 81 - 135 | | | | |



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MS

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510626-001CMS** | Date Analyzed: | 11/02/2015 1458h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 20.6 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 103 | 50 - 146 | | | | |
| Methylene chloride | 17.6 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 88.1 | 30 - 192 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 51.4 | µg/L | SW8260C | | | 50.00 | | 103 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 51.4 | µg/L | SW8260C | | | 50.00 | | 103 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 50.1 | µg/L | SW8260C | | | 50.00 | | 100 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 50.6 | µg/L | SW8260C | | | 50.00 | | 101 | 77 - 129 | | | | |
| **Lab Sample ID: 1510626-016CMS** | Date Analyzed: | 11/02/2015 2005h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 1,210 | µg/L | SW8260C | 3.06 | 20.0 | 400.0 | 843 | 92.2 | 50 - 146 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 1,030 | µg/L | SW8260C | | | 1,000 | | 103 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 1,030 | µg/L | SW8260C | | | 1,000 | | 103 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 1,010 | µg/L | SW8260C | | | 1,000 | | 101 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 1,000 | µg/L | SW8260C | | | 1,000 | | 101 | 77 - 129 | | | | |



All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

# QC SUMMARY REPORT

**Client:** Energy Fuels Resources, Inc.
**Lab Set ID:** 1510626
**Project:** 4th Quarter Chloroform 2015

**Contact:** Garrin Palmer
**Dept:** MSVOA
**QC Type:** MSD

| Analyte | Result | Units | Method | MDL | Reporting Limit | Amount Spiked | Spike Ref. Amount | %REC | Limits | RPD Ref. Amt | % RPD | RPD Limit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: 1510626-001CMSD** | Date Analyzed: | 11/02/2015 1518h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 18.9 | µg/L | SW8260C | 0.153 | 1.00 | 20.00 | 0 | 94.4 | 50 - 146 | 20.6 | 8.67 | 25 | |
| Methylene chloride | 16.2 | µg/L | SW8260C | 0.172 | 1.00 | 20.00 | 0 | 80.8 | 30 - 192 | 17.6 | 8.64 | 25 | |
| Surr: 1,2-Dichloroethane-d4 | 50.7 | µg/L | SW8260C | | | 50.00 | | 101 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 51.5 | µg/L | SW8260C | | | 50.00 | | 103 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 49.8 | µg/L | SW8260C | | | 50.00 | | 99.7 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 50.3 | µg/L | SW8260C | | | 50.00 | | 101 | 77 - 129 | | | | |
| **Lab Sample ID: 1510626-016CMSD** | Date Analyzed: | 11/02/2015 2025h | | | | | | | | | | | |
| Test Code: 8260-W-DEN100 | | | | | | | | | | | | | |
| Chloroform | 1,260 | µg/L | SW8260C | 3.06 | 20.0 | 400.0 | 843 | 104 | 50 - 146 | 1210 | 3.90 | 25 | |
| Surr: 1,2-Dichloroethane-d4 | 1,030 | µg/L | SW8260C | | | 1,000 | | 103 | 72 - 151 | | | | |
| Surr: 4-Bromofluorobenzene | 1,020 | µg/L | SW8260C | | | 1,000 | | 102 | 80 - 152 | | | | |
| Surr: Dibromofluoromethane | 1,010 | µg/L | SW8260C | | | 1,000 | | 101 | 80 - 124 | | | | |
| Surr: Toluene-d8 | 1,020 | µg/L | SW8260C | | | 1,000 | | 102 | 77 - 129 | | | | |



All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility except for the due performance of inspection and/or analysis in good faith and according to the rules of the trade and of science.

# American West Analytical Laboratories

UL
Denison

## WORK ORDER Summary

Work Order: **1510626**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/10/2015

**Client ID:** DEN100

**Contact:** Garrin Palmer

**Project:** **4th Quarter Chloroform 2015**

**QC Level:** III

WO Type: Project

**Comments:** PA Rush. QC 3 (Summary/No chromatograms). RL of 1 ppm for Chloride and VOC and 0.1 ppm for NO2/NO3. Expected levels provided by client - see Jenn. J-flag what we can't meet. EIM Locus and EDD-Denison. Email Group.;

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510626-001A | **TW4-33R_10282015** | 10/28/2015 0959h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-001B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-001C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-002A | **TW4-35_10282015** | 10/28/2015 0802h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-002B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-002C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-003A | **TW4-23_10282015** | 10/28/2015 0810h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-003B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-003C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-004A | **MW-32_10282015** | 10/28/2015 1400h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-004B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-004C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-005A | **TW4-27_10282015** | 10/28/2015 0821h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-005B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-005C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |

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# WORK ORDER Summary

Work Order: **1510626** 

**Client:** Energy Fuels Resources, Inc.

Due Date: 11/10/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510626-006A | **TW4-30_10282015** | 10/28/2015 0827h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-006B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-006C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-007A | **TW4-26_10282015** | 10/28/2015 0837h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-007B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-007C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-008A | **TW4-05_10282015** | 10/28/2015 0844h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-008B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-008C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-009A | **TW4-18_10282015** | 10/28/2015 0852h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-009B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-009C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-010A | **TW4-09_10282015** | 10/28/2015 0900h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-010B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-010C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-011A | **TW4-16_10282015** | 10/28/2015 0906h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-011B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-011C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-012A | **TW4-33_10292015** | 10/29/2015 0800h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |

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# WORK ORDER Summary

Work Order: **1510626** 

**Client:** Energy Fuels Resources, Inc.

Due Date: 11/10/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510626-012B | **TW4-33_10292015** | 10/29/2015 0800h | 10/30/2015 1000h | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | Aqueous | | df - no2/no3 | 1 |
| 1510626-012C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-013A | **TW4-29_10292015** | 10/29/2015 0807h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-013B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-013C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-014A | **TW4-08_10292015** | 10/29/2015 0815h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-014B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-014C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-015A | **TW4-07_10292015** | 10/29/2015 0821h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-015B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-015C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-016A | **TW4-06_10292015** | 10/29/2015 0826h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-016B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-016C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-017A | **TW4-10_10292015** | 10/29/2015 0835h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-017B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |
| 1510626-017C | | | | **8260-W-DEN100**<br>*Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | VOCFridge | 3 |
| 1510626-018A | **TW4-60_10292015** | 10/29/2015 0900h | 10/30/2015 1000h | **300.0-W**<br>*1 SEL Analytes: CL* | Aqueous | | df - wc | 1 |
| 1510626-018B | | | | **NO2/NO3-W-353.2**<br>*1 SEL Analytes: NO3NO2N* | | | df - no2/no3 | |

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# WORK ORDER Summary

Work Order: **1510626**



**Client:** Energy Fuels Resources, Inc.

Due Date: 11/10/2015

| Sample ID | Client Sample ID | Collected Date | Received Date | Test Code | Matrix | Sel | Storage | |
|---|---|---|---|---|---|---|---|---|
| 1510626-018C | **TW4-60_10292015** | 10/29/2015 0900h | 10/30/2015 1000h | **8260-W-DEN100** | Aqueous | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-019A | **TW4-70_10292015** | 10/29/2015 0810h | 10/30/2015 1000h | **300.0-W** | Aqueous | | df - wc | 1 |
| | | | | *1 SEL Analytes: CL* | | | | |
| 1510626-019B | | | | **NO2/NO3-W-353.2** | | | df - no2/no3 | |
| | | | | *1 SEL Analytes: NO3NO2N* | | | | |
| 1510626-019C | | | | **8260-W-DEN100** | | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |
| 1510626-020A | **Trip Blank** | 10/28/2015 | 10/30/2015 1000h | **8260-W-DEN100** | Aqueous | | VOCFridge | 3 |
| | | | | *Test Group: 8260-W-DEN100; # of Analytes: 4 / # of Surr: 4* | | | | |

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Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

# CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

15106026
AWAL Lab Sample Set #
Page 1 of 2

| QC Level: | Turn Around Time: | Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due. | Due Date: |
|---|---|---|---|
| 3 | Standard | | |

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th Quarter Chloroform 2015
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

| | Sample ID: | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO2/NO3 (353.2) | Cl (4500 or 300.0) | VOCs (8260C) | Known Hazards & Sample Comments |
|---|---|---|---|---|---|---|---|---|---|
| 1 | TW4-33R_10282015 | 10/28/2015 | 959 | 5 | W | x | x | x | |
| 2 | TW4-35_10282015 | 10/28/2015 | 802 | 5 | W | x | x | x | |
| 3 | TW4-23_10282015 | 10/28/2015 | 810 | 5 | W | x | x | x | |
| 4 | MW-32_10282015 | 10/28/2015 | 1400 | 5 | W | x | x | x | |
| 5 | TW4-27_10282015 | 10/28/2015 | 821 | 5 | W | x | x | x | |
| 6 | TW4-30_10282015 | 10/28/2015 | 827 | 5 | W | x | x | x | |
| 7 | TW4-26_10282015 | 10/28/2015 | 837 | 5 | W | x | x | x | |
| 8 | TW4-05_10282015 | 10/28/2015 | 844 | 5 | W | x | x | x | |
| 9 | TW4-18_10282015 | 10/28/2015 | 852 | 5 | W | x | x | x | |
| 10 | TW4-09_10282015 | 10/28/2015 | 900 | 5 | W | x | x | x | |
| 11 | TW4-16_10282015 | 10/28/2015 | 906 | 5 | W | x | x | x | |
| 12 | TW4-33_10292015 | 10/29/2015 | 800 | 5 | W | x | x | x | |
| 13 | TW4-29_10292015 | 10/29/2015 | 807 | 5 | W | x | x | x | |

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.2 °C
4 Received Broken/Leaking (Improperly Sealed) Y N #15 Vial was broken
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

| Relinquished by: | Date: | Received by: | Date: |
|---|---|---|---|
| Signature: Garrin Palmer | 10/29/15 | Signature: | |
| Print Name: Garrin Palmer | Time: 1230 | Print Name: | Time: |
| Relinquished by: | Date: | Received by: | Date: 10/30/15 |
| Signature: | | Signature: Ellen Hafen | |
| Print Name: | Time: | Print Name: Ellen Hafen | Time: 1050 |
| Relinquished by: | Date: | Received by: | Date: |
| Signature: | | Signature: | |
| Print Name: | Time: | Print Name: | Time: |
| Relinquished by: | Date: | Received by: | Date: |
| Signature: | | Signature: | |
| Print Name: | Time: | Print Name: | Time: |

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
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www.awal-labs.com

# CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

15/0626
AWAL Lab Sample Set #
Page 2 of 2

| QC Level: | Turn Around Time: | Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due. | Due Date: |
|---|---|---|---|
| 3 | Standard | | |

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 4th Quarter Chloroform 2015
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

| | Sample ID: | Date Sampled | Time Sampled | # of Containers | Sample Matrix | NO2/NO3 (353.2) | Cl (4500 or 300.0) | VOCs (8260C) | Known Hazards & Sample Comments |
|---|---|---|---|---|---|---|---|---|---|
| 14 | TW4-08_10292015 | 10/29/2015 | 815 | 5 | W | x | x | x | |
| 15 | TW4-07_10292015 | 10/29/2015 | 821 | | | x | x | x | |
| 16 | TW4-06_10292015 | 10/29/2015 | 826 | | | x | x | x | |
| 17 | TW4-10_10292015 | 10/29/2015 | 835 | | | x | x | x | |
| 18 | TW4-60_10292015 | 10/29/2015 | 900 | | | x | x | x | |
| 19 | TW4-70_10292015 | 10/29/2015 | 810 | | | x | x | x | |
| 20 | Trip Blank | 10/28/2015 | | 3 | w | | | x | |
| 8 | Temp Blank | | | 1 | w | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered (UPS)
2 Ambient or Chilled
3 Temperature 3.2 °C
4 Received Broken/Leaking (Improperly Sealed) Y #15 1 vial rec broke
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

| Relinquished by: | Date: | Received by: | Date: |
|---|---|---|---|
| Signature: Garrin Palmer | 10/29/15 | Signature: | |
| Print Name: Garrin Palmer | Time: 1230 | Print Name: | Time: |
| Relinquished by: Signature | Date: | Received by: Signature: Elmer Hagen | Date: 10/30/15 |
| Print Name: | Time: | Print Name: Elmer Hagen | Time: 1000 |
| Relinquished by: Signature | Date: | Received by: Signature | Date: |
| Print Name: | Time: | Print Name: | Time: |
| Relinquished by: Signature | Date: | Received by: Signature | Date: |
| Print Name: | Time: | Print Name: | Time: |

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1510626

## Preservation Check Sheet

**Sample Set Extension and pH**

| Analysis | Preservative | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ammonia | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | | |
| COD | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | | |
| Cyanide | pH >12 NaOH | | | | | | | | | | | | | | | | | | | |
| Metals | pH <2 $HNO_3$ | | | | | | | | | | | | | | | | | | | |
| $NO_2$ & $NO_3$ | pH <2 $H_2SO_4$ | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes | yes |
| O & G | pH <2 HCL | | | | | | | | | | | | | | | | | | | |
| Phenols | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | | |
| Sulfide | pH > 9NaOH, Zn Acetate | | | | | | | | | | | | | | | | | | | |
| TKN | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | | |
| T $PO_4$ | pH <2 $H_2SO_4$ | | | | | | | | | | | | | | | | | | | |
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Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

Tab I

Quality Assurance and Data Validation Tables

I-1: Field QA/QC Evaluation

| Location | 1x Casing Volume | Volume Pumped | 2x Casing Volume | Volume Check | Conductivity | | RPD | pH | | RPD | Temp | | RPD | Redox Potential | | RPD | Turbidity | | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-04 | NA | Continuously pumped well | -- | | 1882 | | N/A | 6.94 | | N/A | 15.02 | | N/A | 220 | | N/A | 1.0 | | N/A |
| TW4-01 | NA | Continuously pumped well | -- | | 3122 | | N/A | 7.11 | | N/A | 14.98 | | N/A | 137 | | N/A | 1.9 | | N/A |
| TW4-02 | NA | Continuously pumped well | -- | | 3544 | | N/A | 6.87 | | N/A | 15.12 | | N/A | 223 | | N/A | 0.1 | | N/A |
| TW4-03 | 55.50 | 84.33 | 111 | Pumped Dry | 1789 | 1753 | 2.03 | 6.65 | 6.66 | 0.15 | 14.41 | 14.37 | 0.28 | NM | | NC | NM | | NC |
| TW4-04 | NA | Continuously pumped well | -- | | 2378 | | N/A | 7.11 | | N/A | 14.89 | | N/A | 124 | | N/A | 0.8 | | N/A |
| TW4-05 | 36.65 | 90.00 | 73 | OK | 1537 | 1531 | 0.39 | 6.29 | 6.30 | 0.16 | 15.33 | 15.33 | 0.00 | 361 | 358 | 0.83 | 21 | 22 | 4.65 |
| TW4-06 | 16.94 | 33.33 | 34 | Pumped Dry | 3511 | 3516 | 0.14 | 6.79 | 6.77 | 0.29 | 13.80 | 13.76 | 0.29 | NM | | NC | NM | | NC |
| TW4-07 | 29.22 | 70.00 | 58 | Pumped Dry | 1604 | 1606 | 0.12 | 6.58 | 6.60 | 0.30 | 14.83 | 14.83 | 0.00 | NM | | NC | NM | | NC |
| TW4-08 | 31.23 | 80.00 | 62 | OK | 4873 | 4874 | 0.02 | 6.32 | 6.32 | 0.00 | 14.93 | 14.93 | 0.00 | 357 | 353 | 1.13 | 1.6 | 1.6 | 0.00 |
| TW4-09 | 38.06 | 90.00 | 76 | OK | 2494 | 2496 | 0.08 | 6.49 | 6.50 | 0.15 | 14.98 | 14.98 | 0.00 | 317 | 314 | 0.95 | 63 | 63 | 0.00 |
| TW4-10 | 32.40 | 70.00 | 65 | Pumped Dry | 2888 | 2899 | 0.38 | 6.90 | 6.90 | 0.00 | 13.70 | 13.66 | 0.29 | NM | | NC | NM | | NC |
| TW4-11 | NA | Continuously pumped well | -- | | 3479 | | N/A | 6.92 | | N/A | 14.68 | | N/A | 179 | | N/A | 1.4 | | N/A |
| TW4-12 | 36.62 | 55.00 | 73 | Pumped Dry | 1347 | 1353 | 0.44 | 6.75 | 6.85 | 1.47 | 13.86 | 14.62 | 5.34 | NM | | NC | NM | | NC |
| TW4-13 | 33.53 | 49.50 | 67 | Pumped Dry | 1927 | 1962 | 1.80 | 6.90 | 6.94 | 0.58 | 13.86 | 13.98 | 0.86 | NM | | NC | NM | | NC |
| TW4-14 | 8.11 | 11.00 | 16 | Pumped Dry | 5112 | 5211 | 1.92 | 6.92 | 6.90 | 0.29 | 14.21 | 14.21 | 0.00 | NM | | NC | NM | | NC |
| MW-26 | NA | Continuously pumped well | -- | | 3424 | | N/A | 6.67 | | N/A | 15.33 | | N/A | 196 | | N/A | 28.0 | | N/A |
| TW4-16 | 51.32 | 110.00 | 103 | OK | 3709 | 3711 | 0.05 | 6.59 | 6.60 | 0.15 | 14.77 | 14.76 | 0.07 | 253 | 250 | 1.19 | 160 | 159 | 0.63 |
| MW-32 | 36.71 | 78.12 | 73 | OK | 3927 | 3925 | 0.05 | 6.43 | 6.43 | 0.00 | 14.78 | 14.75 | 0.20 | 268 | 262 | 2.26 | 23 | 24 | 4.26 |
| TW4-18 | 47.53 | 110.00 | 95 | OK | 1952 | 19.4 | 196.06 | 6.21 | 6.21 | 0.00 | 15.41 | 15.41 | 0.00 | 352 | 350 | 0.57 | 107 | 106 | 0.94 |
| TW4-19 | NA | Continuously pumped well | -- | | 4466 | | N/A | 6.73 | | N/A | 15.70 | | N/A | 243 | | N/A | 0 | | N/A |
| TW4-20 | NA | Continuously pumped well | -- | | 3923 | | N/A | 6.30 | | N/A | 16.10 | | N/A | 259 | | N/A | 4 | | N/A |
| TW4-21 | NA | Continuously pumped well | -- | | 4491 | | N/A | 6.2 | | N/A | 16.61 | | N/A | 367 | | N/A | 1.1 | | N/A |
| TW4-22 | NA | Continuously pumped well | -- | | 5429 | | N/A | 6.68 | | N/A | 16.10 | | N/A | 275 | | N/A | 1 | | N/A |
| TW4-23 | 29.58 | 90.00 | 59 | OK | 3630 | 3631 | 0.03 | 6.25 | 6.24 | 0.16 | 14.27 | 14.27 | 0.00 | 273 | 270 | 1.10 | 48 | 50 | 4.08 |
| TW4-24 | NA | Continuously pumped well | -- | | 7905 | | N/A | 6.51 | | N/A | 16.49 | | N/A | 327 | | N/A | 2.1 | | N/A |
| TW4-25 | NA | Continuously pumped well | -- | | 2545 | | N/A | 5.99 | | N/A | 15.06 | | N/A | 388 | | N/A | 2.9 | | N/A |
| TW4-26 | 13.02 | 20.00 | 26 | Pumped Dry | 6612 | 6614 | 0.03 | 4.63 | 4.60 | 0.65 | 13.51 | 13.54 | 0.22 | NM | | NC | NM | | NC |
| TW4-27 | 10.54 | 13.33 | 21 | Pumped Dry | 5273 | 5277 | 0.08 | 6.36 | 6.36 | 0.00 | 13.85 | 13.83 | 0.14 | NM | | NC | NM | | NC |
| TW4-28 | 44.11 | 71.50 | 88 | Pumped Dry | 1294 | 1290 | 0.31 | 6.90 | 6.95 | 0.72 | 13.99 | 14.02 | 0.21 | NM | | NC | NM | | NC |
| TW4-29 | 13.13 | 20.00 | 26 | Pumped Dry | 4359 | 4369 | 0.23 | 6.76 | 6.76 | 0.00 | 14.12 | 14.09 | 0.21 | NM | | NC | NM | | NC |
| TW4-30 | 10.74 | 18.50 | 21 | Pumped Dry | 4462 | 4466 | 0.09 | 6.41 | 6.38 | 0.47 | 13.65 | 13.67 | 0.15 | NM | | NC | NM | | NC |
| TW4-31 | 16.91 | 19.25 | 34 | Pumped Dry | 4846 | 4842 | 0.08 | 6.90 | 6.90 | 0.00 | 14.92 | 14.95 | 0.20 | NM | | NC | NM | | NC |
| TW4-32 | 41.94 | 99.00 | 84 | OK | 7599 | 7602 | 0.04 | 3.64 | 3.64 | 0.00 | 14.68 | 14.68 | 0.00 | 411 | 410 | 0.24 | 8.4 | 8.2 | 2.41 |
| TW4-33 | 10.31 | 13.33 | 21 | Pumped Dry | 4530 | 4528 | 0.04 | 6.33 | 6.38 | 0.79 | 15.70 | 15.57 | 0.83 | NM | | NC | NM | | NC |
| TW4-34 | 16.94 | 25.66 | 34 | Pumped Dry | 4007 | 4005 | 0.05 | 6.88 | 6.87 | 0.15 | 14.73 | 14.75 | 0.14 | NM | | NC | NM | | NC |
| TW4-35 | 8.78 | 10.00 | 18 | Pumped Dry | 4424 | 4430 | 0.14 | 6.45 | 6.43 | 0.31 | 14.63 | 14.66 | 0.20 | NM | | NC | NM | | NC |
| TW4-36 | 27.81 | 35.75 | 56 | Pumped Dry | 2565 | 2570 | 0.19 | 6.91 | 6.90 | 0.14 | 14.95 | 14.97 | 0.13 | NM | | NC | NM | | NC |
| TW4-37 | NA | Continuously pumped well | -- | | 5498 | | N/A | 6.68 | | N/A | 15.97 | | N/A | 278 | | N/A | 0.1 | | N/A |

MW-4, TW4-01, TW4-02, TW4-4, TW4-11, MW-26, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, and TW4-37 are continually pumped wells. TW4-22, TW4-24, and TW4-25 are pumped under the nitrate program.

TW4-03, TW4-06, TW4-07, TW4-10, TW4-12, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, and TW4-36 were pumped dry and sampled after recovery.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

RPD = Relative Percent Difference

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 ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| Trip Blank | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| Trip Blank | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| Trip Blank | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| Trip Blank | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| Trip Blank | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| Trip Blank | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| Trip Blank | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| Trip Blank | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| MW-04 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| MW-04 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-04 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-04 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-04 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-04 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-01 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-01 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-01 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-01 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-01 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-01 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-02 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-02 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-02 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-02 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-02 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-02 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-03 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-03 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-03 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-03 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-03 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-03 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-03R | Chloride | 10/20/2015 | 10/29/2015 | 9 | 28 | OK |
| TW4-03R | Carbon tetrachloride | 10/20/2015 | 10/26/2015 | 6 | 14 | OK |
| TW4-03R | Chloroform | 10/20/2015 | 10/26/2015 | 6 | 14 | OK |
| TW4-03R | Chloromethane | 10/20/2015 | 10/26/2015 | 6 | 14 | OK |
| TW4-03R | Methylene chloride | 10/20/2015 | 10/26/2015 | 6 | 14 | OK |
| TW4-03R | Nitrate/Nitrite (as N) | 10/20/2015 | 10/29/2015 | 9 | 28 | OK |
| TW4-04 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-04 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-04 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-04 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-04 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-04 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-05 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-05 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-05 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-05 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |

I-2: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| TW4-05 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-05 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-06 | Chloride | 10/29/2015 | 11/3/2015 | 5 | 28 | OK |
| TW4-06 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-06 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-06 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-06 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-06 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-07 | Chloride | 10/29/2015 | 11/3/2015 | 5 | 28 | OK |
| TW4-07 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-07 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-07 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-07 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-07 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-08 | Chloride | 10/29/2015 | 11/2/2015 | 4 | 28 | OK |
| TW4-08 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-08 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-08 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-08 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-08 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-09 | Chloride | 10/28/2015 | 11/12/2015 | 15 | 28 | OK |
| TW4-09 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-09 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-09 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-09 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-09 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-10 | Chloride | 10/29/2015 | 11/3/2015 | 5 | 28 | OK |
| TW4-10 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-10 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-10 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-10 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-10 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-11 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-11 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-11 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-11 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-11 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-11 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-12 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-12 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-12 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-12 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-12 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-12 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-13 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-13 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-13 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-13 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |

I-2: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| TW4-13 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-13 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-14 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-14 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-14 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-14 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-14 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-14 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| MW-26 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| MW-26 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-26 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-26 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-26 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| MW-26 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-16 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-16 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-16 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-16 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-16 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-16 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| MW-32 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| MW-32 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| MW-32 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| MW-32 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| MW-32 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| MW-32 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-18 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-18 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-18 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-18 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-18 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-18 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-19 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-19 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-19 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-19 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-19 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-19 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-20 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-20 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-20 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-20 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-20 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-20 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-21 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-21 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-21 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-21 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |

I-2: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| TW4-21 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-21 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-22 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-22 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-22 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-22 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-22 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-22 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-23 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-23 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-23 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-23 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-23 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-23 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-24 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-24 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-24 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-24 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-24 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-24 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-25 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-25 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-25 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-25 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-25 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-25 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-26 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-26 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-26 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-26 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-26 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-26 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-27 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-27 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-27 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-27 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-27 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-27 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-28 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-28 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-28 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-28 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-28 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-28 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-29 | Chloride | 10/29/2015 | 11/2/2015 | 4 | 28 | OK |
| TW4-29 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-29 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-29 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |

I-2: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| TW4-29 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-29 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-30 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-30 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-30 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-30 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-30 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-30 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-31 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-31 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-31 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-31 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-31 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-31 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-32 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-32 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-32 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-32 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-32 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-32 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-33 | Chloride | 10/29/2015 | 11/2/2015 | 4 | 28 | OK |
| TW4-33 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-33 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-33 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-33 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-33 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-33R | Chloride | 10/28/2015 | 11/3/2015 | 6 | 28 | OK |
| TW4-33R | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-33R | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-33R | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-33R | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-33R | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-34 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-34 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-34 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-34 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-34 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-34 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-35 | Chloride | 10/28/2015 | 11/2/2015 | 5 | 28 | OK |
| TW4-35 | Carbon tetrachloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-35 | Chloroform | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-35 | Chloromethane | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-35 | Methylene chloride | 10/28/2015 | 11/2/2015 | 5 | 14 | OK |
| TW4-35 | Nitrate/Nitrite (as N) | 10/28/2015 | 11/7/2015 | 10 | 28 | OK |
| TW4-36 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-36 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-36 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-36 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |

I-2: Holding Time Evaluation

| Location ID | Parameter Name | Sample Date | Analysis Date | Hold Time (Days) | Allowed Hold Time (Days) | Hold Time Check |
|---|---|---|---|---|---|---|
| TW4-36 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-36 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-37 | Chloride | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-37 | Carbon tetrachloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-37 | Chloroform | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-37 | Chloromethane | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-37 | Methylene chloride | 10/19/2015 | 10/26/2015 | 7 | 14 | OK |
| TW4-37 | Nitrate/Nitrite (as N) | 10/19/2015 | 10/29/2015 | 10 | 28 | OK |
| TW4-60 | Chloride | 10/29/2015 | 11/4/2015 | 6 | 28 | OK |
| TW4-60 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-60 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-60 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-60 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-60 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |
| TW4-65 | Chloride | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-65 | Carbon tetrachloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-65 | Chloroform | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-65 | Chloromethane | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-65 | Methylene chloride | 10/21/2015 | 10/26/2015 | 5 | 14 | OK |
| TW4-65 | Nitrate/Nitrite (as N) | 10/21/2015 | 10/29/2015 | 8 | 28 | OK |
| TW4-70 | Chloride | 10/29/2015 | 11/3/2015 | 5 | 28 | OK |
| TW4-70 | Carbon tetrachloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-70 | Chloroform | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-70 | Chloromethane | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-70 | Methylene chloride | 10/29/2015 | 11/2/2015 | 4 | 14 | OK |
| TW4-70 | Nitrate/Nitrite (as N) | 10/29/2015 | 11/7/2015 | 9 | 28 | OK |

Table I-3 Recipt Temperature Check

| Sample Batch | Wells in Batch | Temperature |
|---|---|---|
| 1510489 | MW-04, MW-26, TW4-01, TW4-02, TW4-03, TW4-03R, TW4-04, TW4-11, TW4-12, TW4-13, TW4-14, TW4-19, TW4-20, TW4-21, TW4-22, TW4-24, TW4-25, , TW4-28, TW4-31, TW4-32, TW4-34, TW4-36, TW4-37, TW4-65, Trip Blank | 3.0 °C |
| 1510626 | MW-32, TW4-05, TW4-06, TW4-07, TW4-08, TW4-09, TW4-10, TW4-16, TW4-18, TW4-23, TW4-26, TW4-27, TW4-29, TW4-30, TW4-33, TW4-33R, TW4-35, TW4-60, TW4-70, Trip Blank | 3.2 °C |

I-4 Analytical Method Check

| Parameter | Method | Method Used by Lab |
|---|---|---|
| Carbon Tetrachloride | SW8260B or SW8260C | SW8260C |
| Chloride | A4500-Cl B or A4500-Cl E or E300.0 | E300.0 |
| Chloroform | SW8260B or SW8260C | SW8260C |
| Chloromethane | SW8260B or SW8260C | SW8260C |
| Methylene chloride | SW8260B or SW8260C | SW8260C |
| Nitrogen | E353.1 or E353.2 | E353.2 |

All parameters were analyzed using the reporting method specificied in the QAP

I-5 Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|---|---|---|---|---|---|---|---|
| Trip Blank | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| Trip Blank | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-04 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| MW-04 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-04 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| MW-04 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| MW-04 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-04 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-01 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-01 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-01 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-01 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-01 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-01 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-02 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-02 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-02 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-02 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-02 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-02 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-03 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-03 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-03R | Chloride | 1 | mg/L | U | 1 | 1 | OK |
| TW4-03R | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03R | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03R | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03R | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-03R | Nitrate/Nitrite (as N) | 0.1 | mg/L | U | 1 | 0.1 | OK |
| TW4-04 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-04 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-04 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-04 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-04 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-04 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-05 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-05 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-05 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-05 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-05 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |

I-5 Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|---|---|---|---|---|---|---|---|
| TW4-05 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-06 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-06 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-06 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-06 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-06 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-06 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-07 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-07 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-07 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-07 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-07 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-07 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-08 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-08 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-08 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-08 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-08 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-08 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-09 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-09 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-09 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-09 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-09 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-09 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-10 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-10 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-10 | Chloroform | 50 | ug/L | | 50 | 1 | OK |
| TW4-10 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-10 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-10 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-11 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-11 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-11 | Chloroform | 100 | ug/L | | 100 | 1 | OK |
| TW4-11 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-11 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-11 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-12 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-12 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-12 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-12 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-12 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-12 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-13 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-13 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-13 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-13 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-13 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-13 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |

I-5 Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|---|---|---|---|---|---|---|---|
| TW4-14 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-14 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-14 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-14 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-14 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-14 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| MW-26 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| MW-26 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-26 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| MW-26 | Chloromethane | 1 | ug/L | | 1 | 1 | OK |
| MW-26 | Methylene chloride | 1 | ug/L | | 1 | 1 | OK |
| MW-26 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-16 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-16 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-16 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-16 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-16 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-16 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| MW-32 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| MW-32 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-32 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| MW-32 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| MW-32 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| MW-32 | Nitrate/Nitrite (as N) | 0.1 | mg/L | U | 10 | 0.1 | OK |
| TW4-18 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-18 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-18 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-18 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-18 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-18 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-19 | Chloride | 100 | mg/L | | 100 | 1 | OK |
| TW4-19 | Carbon tetrachloride | 1 | ug/L | | 1 | 1 | OK |
| TW4-19 | Chloroform | 100 | ug/L | | 100 | 1 | OK |
| TW4-19 | Chloromethane | 1 | ug/L | | 1 | 1 | OK |
| TW4-19 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-19 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-20 | Chloride | 100 | mg/L | | 100 | 1 | OK |
| TW4-20 | Carbon tetrachloride | 1 | ug/L | | 1 | 1 | OK |
| TW4-20 | Chloroform | 100 | ug/L | | 100 | 1 | OK |
| TW4-20 | Chloromethane | 1 | ug/L | | 1 | 1 | OK |
| TW4-20 | Methylene chloride | 1 | ug/L | | 1 | 1 | OK |
| TW4-20 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-21 | Chloride | 100 | mg/L | | 100 | 1 | OK |
| TW4-21 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-21 | Chloroform | 10 | ug/L | | 10 | 1 | OK |
| TW4-21 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-21 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-21 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-22 | Chloride | 100 | mg/L | | 100 | 1 | OK |

I-5 Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|---|---|---|---|---|---|---|---|
| TW4-22 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-22 | Chloroform | 100 | ug/L | | 100 | 1 | OK |
| TW4-22 | Chloromethane | 1 | ug/L | | 1 | 1 | OK |
| TW4-22 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-22 | Nitrate/Nitrite (as N) | 10 | mg/L | | 100 | 0.1 | OK |
| TW4-23 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-23 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-23 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-23 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-23 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-23 | Nitrate/Nitrite (as N) | 0.1 | mg/L | U | 10 | 0.1 | OK |
| TW4-24 | Chloride | 100 | mg/L | | 100 | 1 | OK |
| TW4-24 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-24 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-24 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-24 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-24 | Nitrate/Nitrite (as N) | 2 | mg/L | | 20 | 0.1 | OK |
| TW4-25 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-25 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-25 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-25 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-25 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-25 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 1 | 0.1 | OK |
| TW4-26 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-26 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-26 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-26 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-26 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-26 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-27 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-27 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-27 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-27 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-27 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-27 | Nitrate/Nitrite (as N) | 0.2 | mg/L | | 20 | 0.1 | OK |
| TW4-28 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-28 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-28 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-28 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-28 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-28 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-29 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-29 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-29 | Chloroform | 20 | ug/L | | 20 | 1 | OK |
| TW4-29 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-29 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-29 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-30 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-30 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |

I-5 Reporting Limit Check

| Location | Analyte | Lab Reporting Limit | Units | Qualifier | Dilution Factor | Required Reporting Limit | RL Check |
|---|---|---|---|---|---|---|---|
| TW4-30 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-30 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-30 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-30 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-31 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-31 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-31 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-31 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-31 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-31 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 1 | 0.1 | OK |
| TW4-32 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-32 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-32 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-32 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-32 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-32 | Nitrate/Nitrite (as N) | 1 | mg/L | | 10 | 0.1 | OK |
| TW4-33 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-33 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33 | Chloroform | 1 | ug/L | | 1 | 1 | OK |
| TW4-33 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-33R | Chloride | 1 | mg/L | U | 1 | 1 | OK |
| TW4-33R | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33R | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33R | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33R | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-33R | Nitrate/Nitrite (as N) | 0.1 | mg/L | U | 10 | 0.1 | OK |
| TW4-34 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-34 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-34 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-34 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-34 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-34 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 1 | 0.1 | OK |
| TW4-35 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-35 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-35 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-35 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-35 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-35 | Nitrate/Nitrite (as N) | 0.1 | mg/L | | 10 | 0.1 | OK |
| TW4-36 | Chloride | 10 | mg/L | | 10 | 1 | OK |
| TW4-36 | Carbon tetrachloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-36 | Chloroform | 1 | ug/L | U | 1 | 1 | OK |
| TW4-36 | Chloromethane | 1 | ug/L | U | 1 | 1 | OK |
| TW4-36 | Methylene chloride | 1 | ug/L | U | 1 | 1 | OK |
| TW4-36 | Nitrate/Nitrite (as N) | 0.1 | mg/L | U | 1 | 0.1 | OK |
| TW4-37 | Chloride | 100 | mg/L | | 100 | 1 | OK |
| TW4-37 | Carbon tetrachloride | 1 | ug/L | | 1 | 1 | OK |
| TW4-37 | Chloroform | 100 | ug/L | | 100 | 1 | OK |

I-8 QC Control Limits for Analysis and Blanks

**Method Blank Detections**
All Method Blanks for the quarter were non-detect.

**Matrix Spike % Recovery Comparison**

| Lab Report | Lab Sample ID | Well | Analyte | MS %REC | MSD %REC | REC Range | RPD |
|---|---|---|---|---|---|---|---|
| 1510489 | 1510489-021BMS | TW4-20 | Nitrate | 87.7 | 88 | 90 - 110 | 0.20 |
| 1510489 | 1510489-001BMS | TW4-03R | Nitrate | 85.4 | 87.1 | 90 - 110 | 1.98 |

N/A: QC was not performed on an EFRI sample.

**Laboratory Control Sample**
All Laboratory Control Samples were within acceptance limits for the quarter.

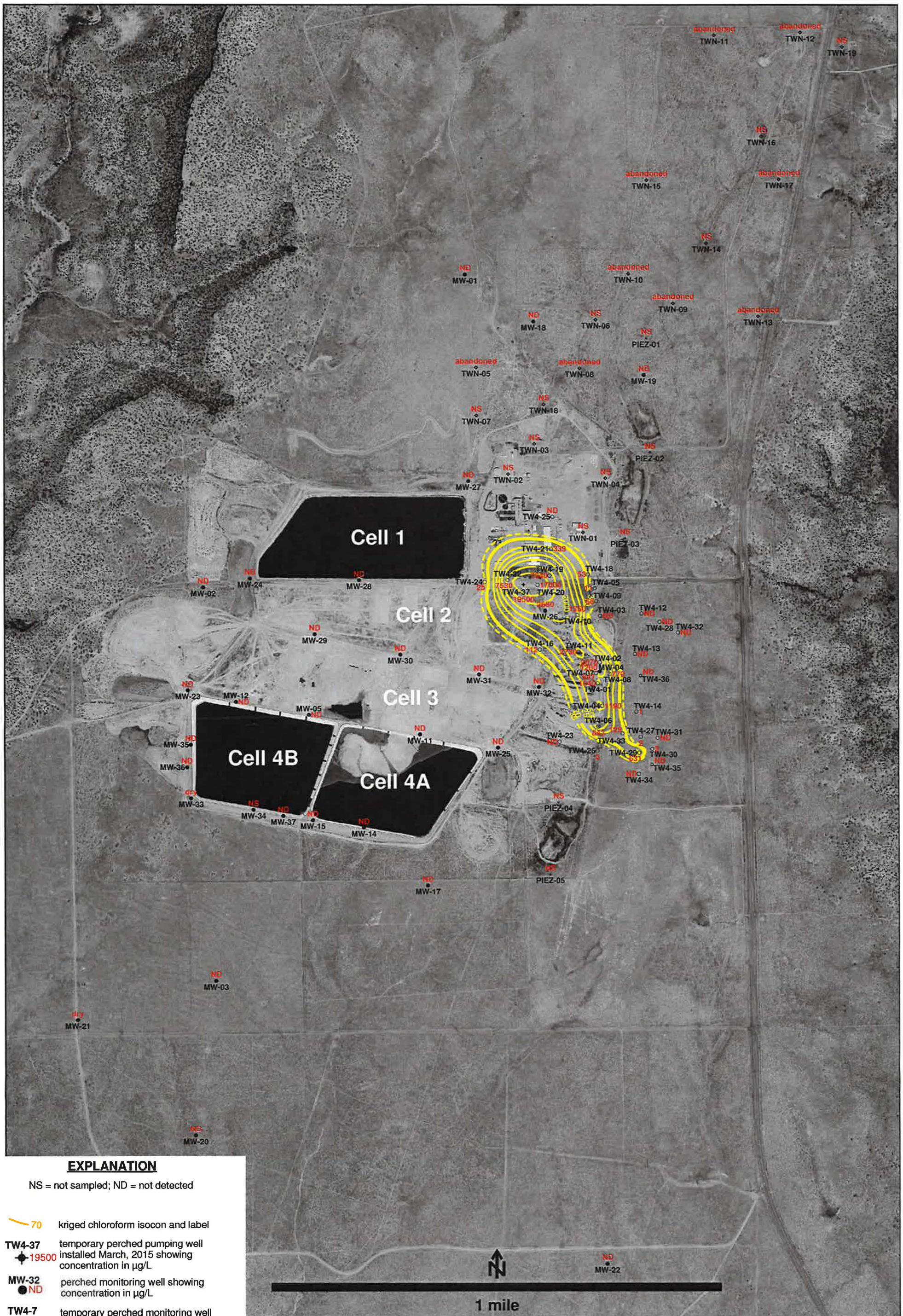
**Surrogate % Recovery**
All Surrogate recoveries were within acceptance limits for the quarter.

I-9 Rinsate Evaluation

All rinsate blanks results were nondetect for the quarter.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map

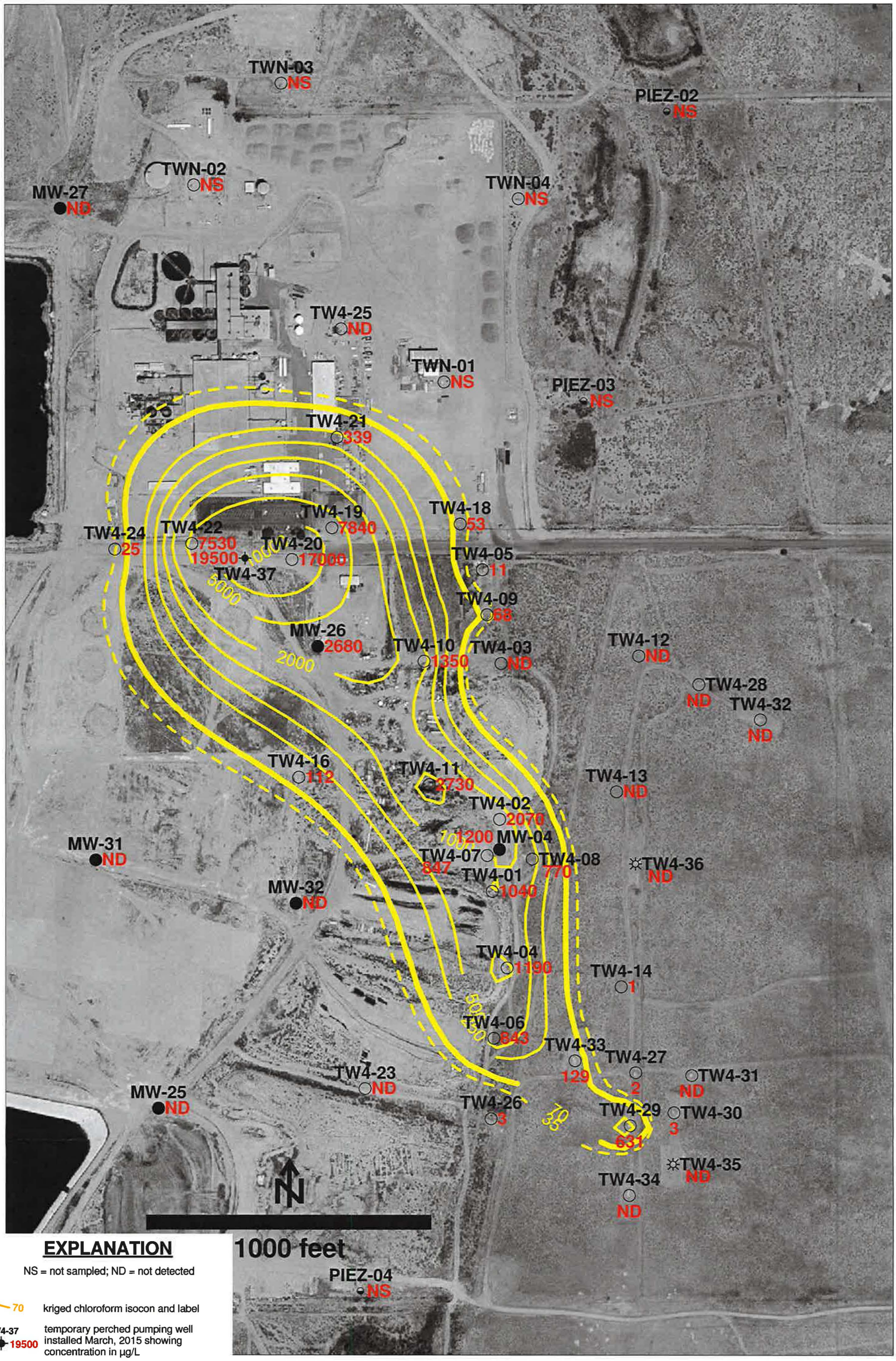



NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21, and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

**KRIGED 4th QUARTER, 2015 CHLOROFORM (µg/L)**
**WHITE MESA SITE**

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/Feb16/chloroform/Uchl1115.srf | J-1 |




## EXPLANATION

NS = not sampled; ND = not detected

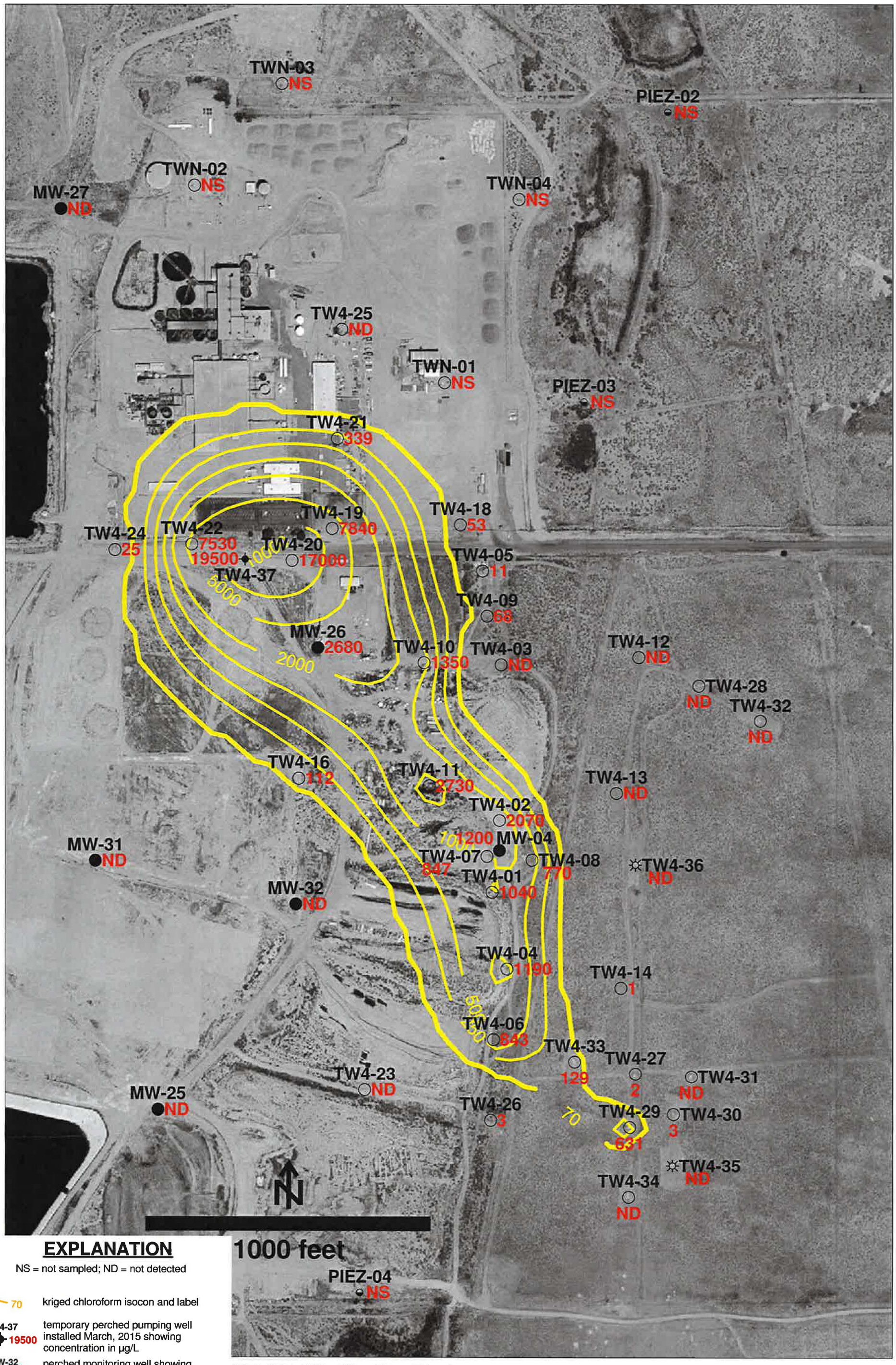
| | |
|---|---|
| 70 | kriged chloroform isocon and label |
| TW4-37 19500 | temporary perched pumping well installed March, 2015 showing concentration in µg/L |
| MW-32 ND | perched monitoring well showing concentration (µg/L) |
| TW4-7 847 | temporary perched monitoring well showing concentration (µg/L) |
| PIEZ-2 NS | perched piezometer showing concentration (µg/L) |
| TW4-35 ND | temporary perched monitoring well installed May, 2014 showing concentration (µg/L) |

NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

**KRIGED 4th QUARTER, 2015 CHLOROFORM (µgL)**
**WHITE MESA SITE**
**(detail map)**

| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/ Feb16/chloroform/Uchl1115det.srf | J-2 |




## EXPLANATION

NS = not sampled; ND = not detected

| | |
|---|---|
| 70 | kriged chloroform isocon and label |
| TW4-37 19500 | temporary perched pumping well installed March, 2015 showing concentration in µg/L |
| MW-32 ND | perched monitoring well showing concentration (µg/L) |
| TW4-7 847 | temporary perched monitoring well showing concentration (µg/L) |
| PIEZ-2 NS | perched piezometer showing concentration (µg/L) |
| TW4-35 ND | temporary perched monitoring well installed May, 2014 showing concentration (µg/L) |

NOTE: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

**4th QUARTER, 2015 CHLOROFORM GREATER THAN OR EQUAL TO 70 µgL GRID WHITE MESA SITE**

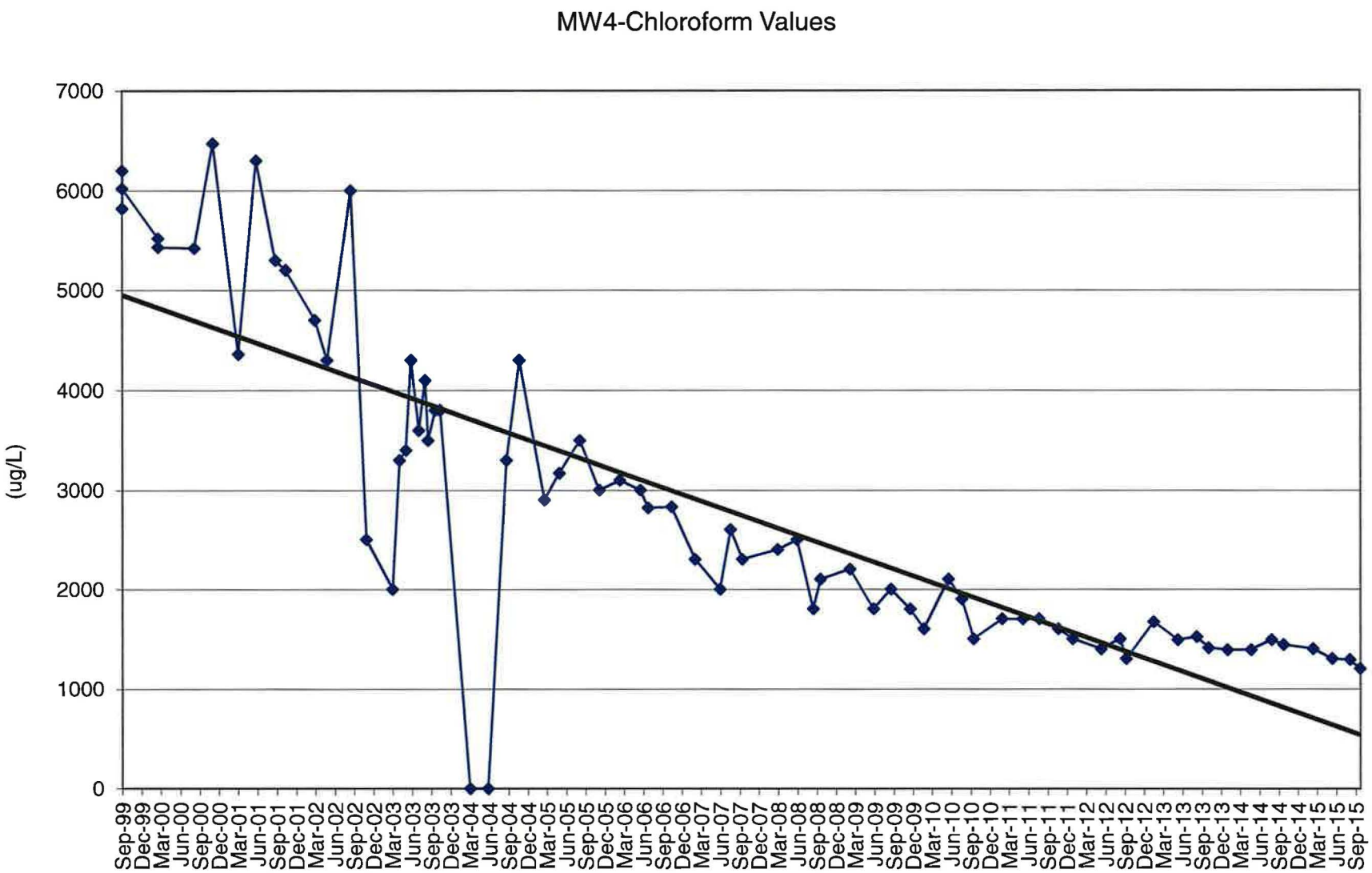
| APPROVED | DATE | REFERENCE | FIGURE |
|---|---|---|---|
| | | H:/718000/ feb16/chloroform/Uchl1115ge70.srf | J-3 |

Tab K

Analyte Concentration Data and Chloroform Concentration Trend Graphs 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 |
| 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 |

| MW-4 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 17-Feb-10 | 1600 | 1.2 | ND | ND | 4 | 45 |
| 14-Jun-10 | 2100 | 1.2 | ND | ND | 5.1 | 41 |
| 16-Aug-10 | 1900 | 1.5 | ND | ND | 4.8 | 38 |
| 11-Oct-10 | 1500 | 1.4 | ND | ND | 4.9 | 41 |
| 23-Feb-11 | 1700 | 1.5 | ND | ND | 4.6 | 40 |
| 1-Jun-11 | 1700 | 1.4 | ND | ND | 4.9 | 35 |
| 17-Aug-11 | 1700 | 1.1 | ND | ND | 4.9 | 41 |
| 16-Nov-11 | 1600 | 1.3 | ND | ND | 5.1 | 40 |
| 23-Jan-12 | 1500 | 1 | ND | ND | 4.8 | 41 |
| 6-Jun-12 | 1400 | 1.2 | ND | ND | 4.9 | 39 |
| 4-Sep-12 | 1500 | 1.5 | ND | ND | 5 | 41 |
| 4-Oct-12 | 1300 | 1 | ND | ND | 4.8 | 42 |
| 11-Feb-13 | 1670 | 1.49 | ND | ND | 4.78 | 37.8 |
| 5-Jun-13 | 1490 | 1.31 | ND | ND | 4.22 | 44 |
| 3-Sep-13 | 1520 | 1.13 | ND | ND | 4.89 | 41.4 |
| 29-Oct-13 | 1410 | 5.58 | ND | ND | 5.25 | 40.1 |
| 27-Jan-14 | 1390 | 4.15 | ND | ND | 4.7 | 38.5 |
| 19-May-14 | 1390 | 5.21 | ND | ND | 4.08 | 39.9 |
| 24-Aug-14 | 1490 | ND | 7.6 | ND | 3.7 | 41 |
| 21-Oct-14 | 1440 | ND | ND | ND | 5.07 | 41.5 |
| 9-Mar-15 | 1400 | 1.26 | ND | ND | 5.75 | 40.7 |
| 8-Jun-15 | 1300 | ND | ND | ND | 2.53 | 43.1 |
| 31-Aug-15 | 1290 | ND | ND | ND | 4.79 | 44.3 |
| 19-Oct-15 | 1200 | ND | ND | ND | 4.43 | 40.8 |


MW4-Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
Sep-99
Dec-99
Mar-00
Jun-00
Sep-00
Dec-00
Mar-01
Jun-01
Sep-01
Dec-01
Mar-02
Jun-02
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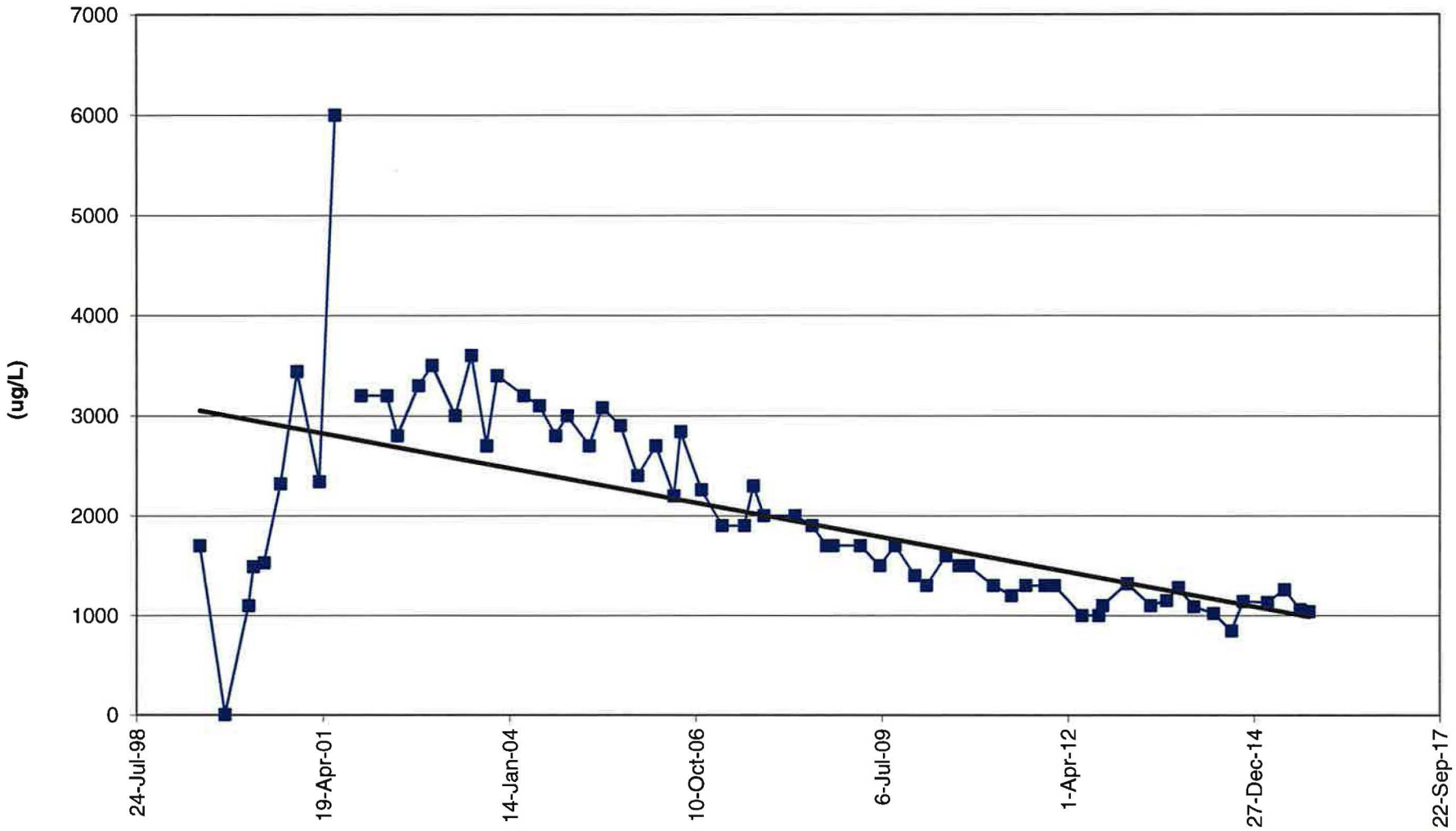
Mar-15
Jun-15
Sep-15

| 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 |
| 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 |

| TW4-1 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 29-Dec-09 | 1400 | <1 | <1 | <1 | 6.8 | 41 |
| 3-Mar-10 | 1300 | <1 | <1 | <1 | 7.1 | 35 |
| 15-Jun-10 | 1600 | 1.2 | <1 | <1 | 6.8 | 40 |
| 24-Aug-10 | 1500 | <1 | <1 | <1 | 6.8 | 35 |
| 14-Oct-10 | 1500 | <1 | <1 | <1 | 6.6 | 40 |
| 24-Feb-11 | 1300 | ND | ND | ND | 6.6 | 41 |
| 1-Jun-11 | 1200 | ND | ND | ND | 7 | 35 |
| 18-Aug-11 | 1300 | ND | ND | ND | 6.8 | 36 |
| 29-Nov-11 | 1300 | ND | ND | ND | 6.6 | 37 |
| 19-Jan-12 | 1300 | ND | ND | ND | 6.8 | 38 |
| 14-Jun-12 | 1000 | ND | ND | ND | 7.1 | 42 |
| 13-Sep-12 | 1000 | ND | ND | ND | 5 | 39 |
| 4-Oct-12 | 1100 | ND | ND | ND | 6.5 | 40 |
| 13-Feb-13 | 1320 | 3.66 | ND | ND | 6.99 | 37.6 |
| 19-Jun-13 | 1100 | ND | ND | ND | 6.87 | 39.1 |
| 12-Sep-13 | 1150 | ND | ND | ND | 7.12 | 37.6 |
| 14-Nov-13 | 1280 | ND | ND | ND | 7.08 | 36.5 |
| 5-Feb-14 | 1090 | 5.47 | ND | ND | 7.74 | 38.9 |
| 23-May-14 | 1020 | 4.77 | ND | ND | 6.93 | 37.4 |
| 27-Aug-14 | 845 | ND | 1.4 | ND | 4.8 | 38 |
| 29-Oct-14 | 1140 | ND | ND | ND | 6.31 | 38.7 |
| 9-Mar-15 | 1130 | ND | ND | ND | 7.06 | 38.3 |
| 8-Jun-15 | 1260 | ND | ND | ND | 6.07 | 40.3 |
| 31-Aug-15 | 1060 | ND | ND | ND | 6.28 | 45.9 |
| 19-Oct-15 | 1040 | ND | ND | ND | 1.55 | 38.5 |

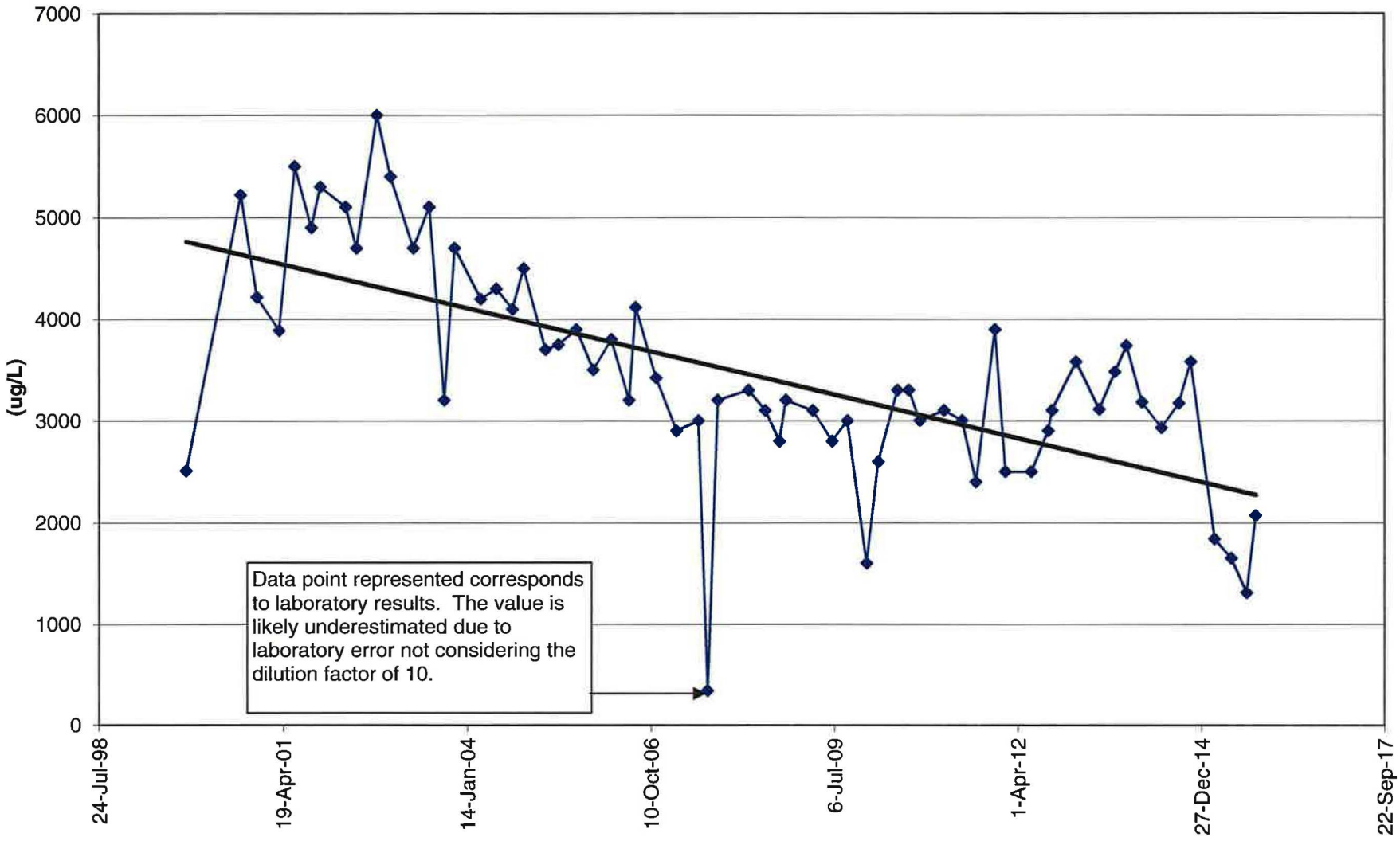
## TW4-1 Chloroform Values



| 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 |
| 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 |

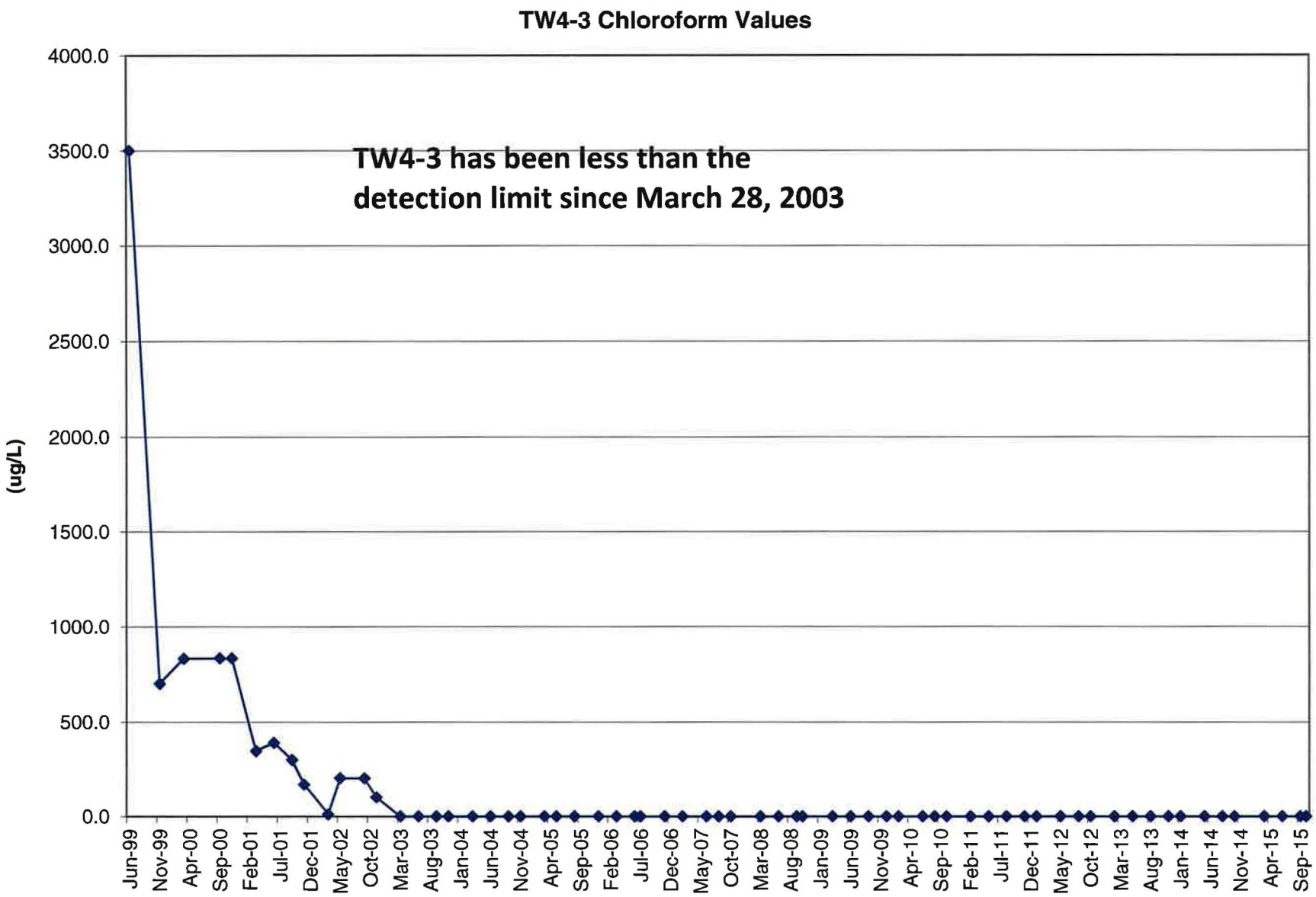
| TW4-2 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 24-Feb-11 | 3100 | 2.4 | ND | ND | 7 | 46 |
| 2-Jun-11 | 3000 | 2.2 | ND | ND | 6.8 | 42 |
| 17-Aug-11 | 2400 | 1.6 | ND | ND | 6 | 48 |
| 29-Nov-11 | 3900 | 2.8 | ND | ND | 7 | 49 |
| 24-Jan-12 | 2500 | 2 | ND | ND | 7.1 | 49 |
| 14-Jun-12 | 2500 | 2.1 | ND | ND | 7.7 | 52 |
| 13-Sep-12 | 2900 | 1.8 | ND | ND | 4 | 76 |
| 4-Oct-12 | 3100 | 2 | ND | ND | 7.6 | 49 |
| 13-Feb-13 | 3580 | 5.17 | ND | ND | 8.1 | 46 |
| 19-Jun-13 | 3110 | 2.65 | ND | ND | 7.51 | 46.9 |
| 12-Sep-13 | 3480 | 2.41 | ND | ND | 9.3 | 44.9 |
| 14-Nov-13 | 3740 | 3.15 | ND | ND | 8.39 | 43.9 |
| 6-Feb-14 | 3180 | 7.1 | ND | ND | 7.87 | 45.9 |
| 23-May-14 | 2930 | 6.05 | ND | ND | 9.11 | 45.4 |
| 27-Aug-14 | 3170 | 1.4 | 3.6 | ND | 6.2 | 45 |
| 30-Oct-14 | 3580 | 2.6 | ND | ND | 8.45 | 45.5 |
| 9-Mar-15 | 1840 | 1.44 | ND | ND | 5.32 | 44.9 |
| 8-Jun-15 | 1650 | ND | ND | ND | 4.3 | 48.1 |
| 31-Aug-15 | 1310 | ND | ND | ND | 3.76 | 50.0 |
| 19-Oct-15 | 2070 | ND | ND | ND | 5.18 | 41.9 |

## TW4-2 Chloroform Values



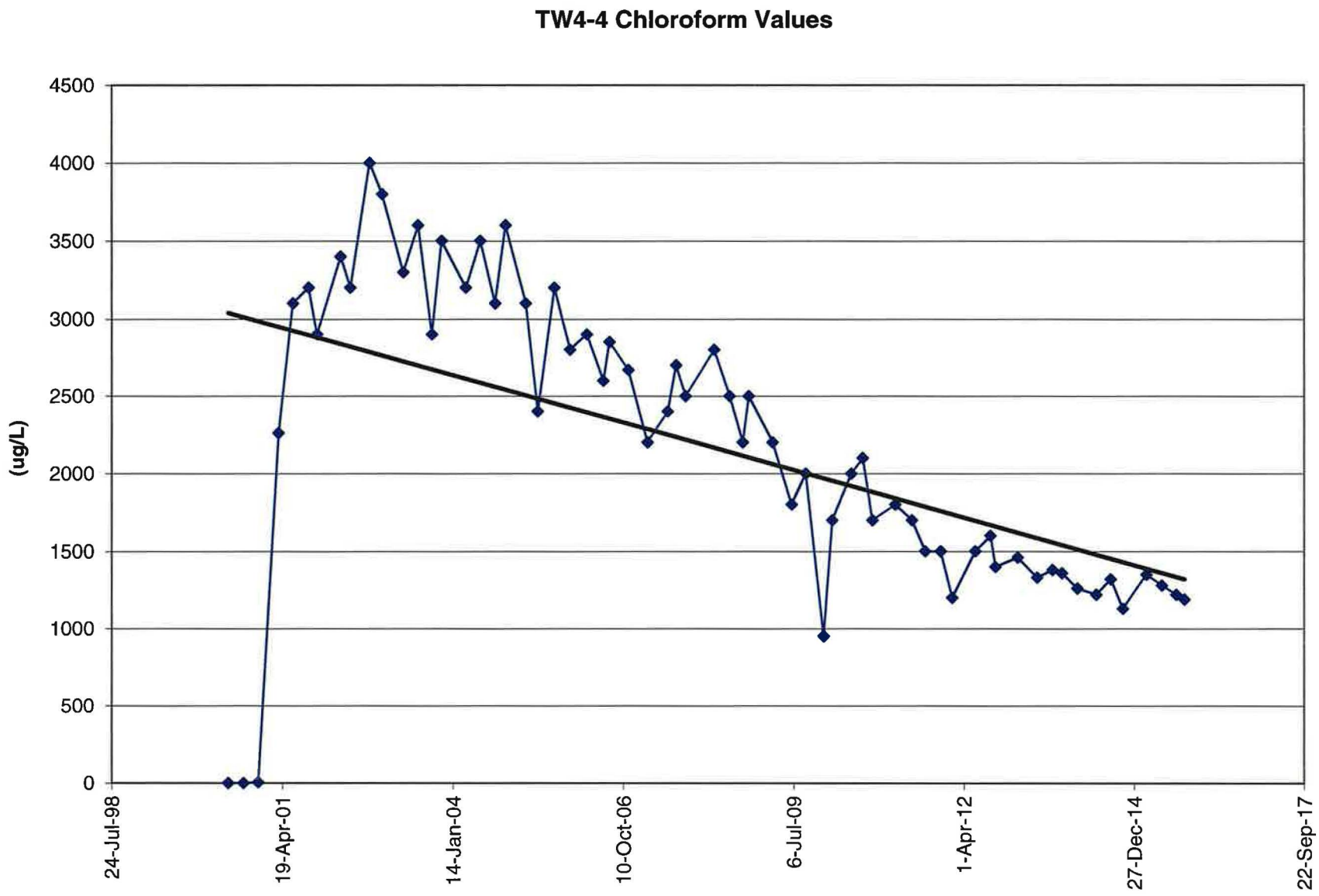
| TW4-3 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 28-Jun-99 | 3500 | | | | 7.6 | |
| 29-Nov-99 | 702 | | | | | |
| 15-Mar-00 | 834 | | | | | |
| 2-Sep-00 | 836 | | | | 1.56 | |
| 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 |
| 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 |

| TW4-3 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 10-Aug-10 | <1 | <1 | <1 | <1 | 3.1 | 22 |
| 5-Oct-10 | <1 | <1 | <1 | <1 | 3.3 | 26 |
| 15-Feb-11 | ND | ND | ND | ND | 3.5 | 23 |
| 25-May-11 | ND | ND | ND | ND | 3.7 | 23 |
| 16-Aug-11 | ND | ND | ND | ND | 4 | 23 |
| 15-Nov-11 | ND | ND | ND | ND | 4.4 | 23 |
| 17-Jan-12 | ND | ND | ND | ND | 4.3 | 21 |
| 31-May-12 | ND | ND | ND | ND | 4.4 | 24 |
| 29-Aug-12 | ND | ND | ND | ND | 4.9 | 25 |
| 3-Oct-12 | ND | ND | ND | ND | 4.8 | 25 |
| 7-Feb-13 | ND | ND | ND | ND | 5.05 | 23.7 |
| 29-May-13 | ND | ND | ND | ND | 5.83 | 23.8 |
| 29-Aug-13 | ND | ND | ND | ND | 6.26 | 24.0 |
| 6-Nov-13 | ND | ND | ND | ND | 5.89 | 24.1 |
| 22-Jan-14 | ND | ND | ND | ND | 6.66 | 24.9 |
| 19-May-14 | ND | ND | ND | ND | 6.01 | 24.4 |
| 13-Aug-14 | ND | ND | ND | ND | 5.3 | 26 |
| 23-Oct-14 | ND | ND | ND | ND | 6.07 | 26.7 |
| 11-Mar-15 | ND | ND | ND | ND | 6.64 | 26.2 |
| 10-Jun-15 | ND | ND | ND | ND | 5.71 | 27.5 |
| 2-Sep-15 | ND | ND | ND | ND | 3.88 | 27.4 |
| 21-Oct-15 | ND | ND | ND | ND | 5.37 | 25.6 |


TW4-3 Chloroform Values
TW4-3 has been less than the detection limit since March 28, 2003
(ug/L)
4000.0
3500.0
3000.0
2500.0
2000.0
1500.0
1000.0
500.0
0.0
Jun-99
Nov-99
Apr-00
Sep-00
Feb-01
Jul-01
Dec-01
May-02
Oct-02
Mar-03
Aug-03
Jan-04
Jun-04
Nov-04
Apr-05
Sep-05
Feb-06
Jul-06
Dec-06
May-07
Oct-07
Mar-08
Aug-08
Jan-09
Jun-09
Nov-09
Apr-10
Sep-10
Feb-11
Jul-11
Dec-11
May-12
Oct-12
Mar-13
Aug-13
Jan-14
Jun-14
Nov-14
Apr-15
Sep-15

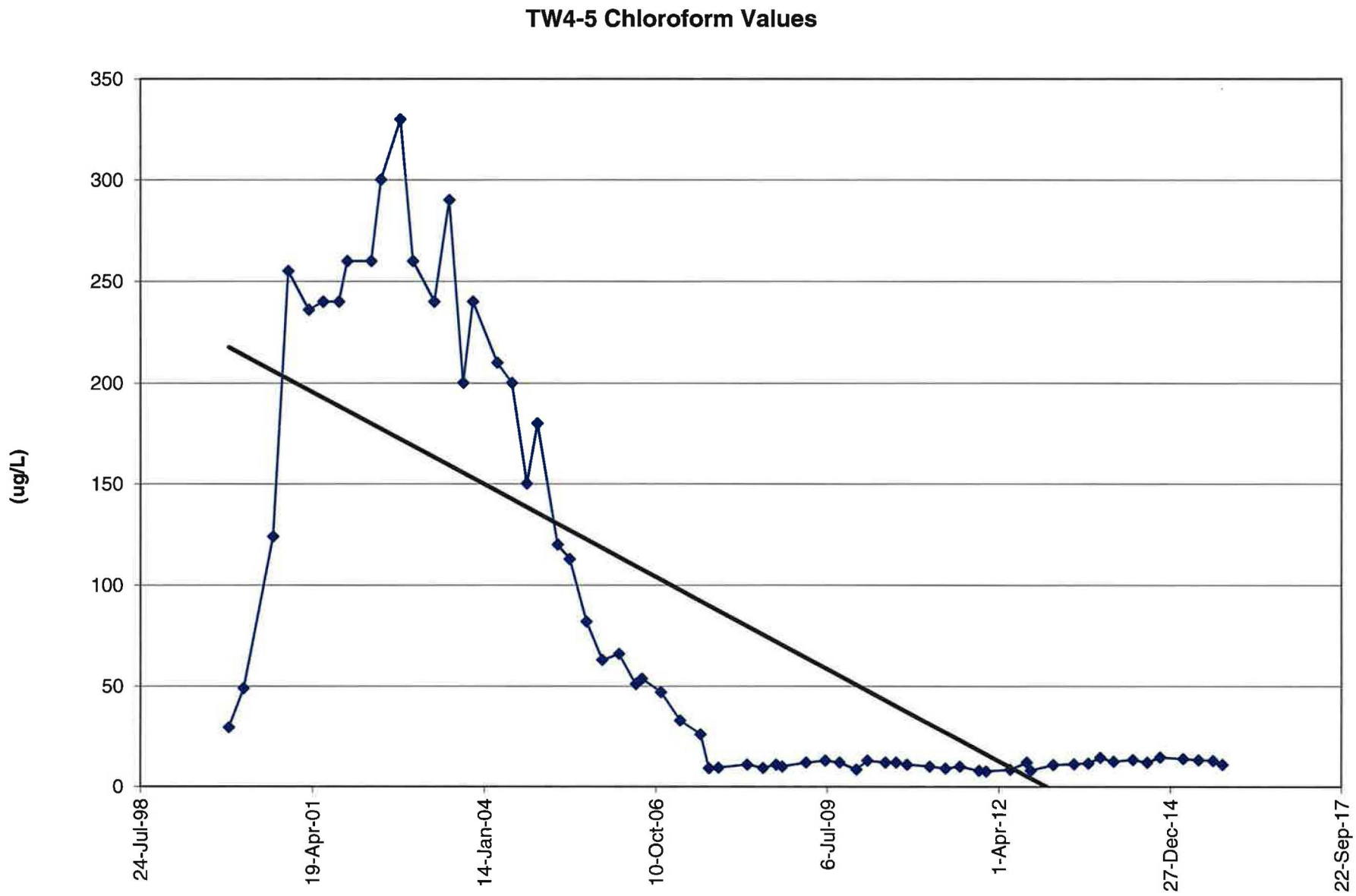
| TW4-4 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 6-Jun-00 | 0 | | | | | |
| 2-Sep-00 | 0 | | | | | |
| 28-Nov-00 | 3.9 | | | | | |
| 28-Mar-01 | 2260 | | | | 1.02 | |
| 20-Jun-01 | 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 |
| 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 |

| TW4-4 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 23-Feb-11 | 1800 | 1.4 | ND | ND | 7 | 41 |
| 1-Jun-11 | 1700 | 1.2 | ND | ND | 7 | 35 |
| 17-Aug-11 | 1500 | ND | ND | ND | 6.6 | 40 |
| 16-Nov-11 | 1500 | 1 | ND | ND | 7 | 39 |
| 23-Jan-12 | 1200 | ND | ND | ND | 7.1 | 38 |
| 6-Jun-12 | 1500 | ND | ND | ND | 7.1 | 43 |
| 4-Sep-12 | 1600 | 1.2 | ND | ND | 7.1 | 39 |
| 3-Oct-12 | 1400 | 1 | ND | ND | 7 | 38 |
| 11-Feb-13 | 1460 | 1.12 | ND | ND | 7.36 | 39 |
| 5-Jun-13 | 1330 | ND | ND | ND | 6.3 | 39.6 |
| 3-Sep-13 | 1380 | ND | ND | ND | 7.22 | 38.8 |
| 29-Oct-13 | 1360 | 5.3 | ND | ND | 7.84 | 43.9 |
| 27-Jan-14 | 1260 | 3.88 | ND | ND | 7.28 | 37.4 |
| 19-May-14 | 1220 | 5 | ND | ND | 5.91 | 47.5 |
| 11-Aug-14 | 1320 | ND | 7 | ND | 5.30 | 40.0 |
| 21-Oct-14 | 1130 | ND | ND | ND | 7.02 | 40.0 |
| 9-Mar-15 | 1350 | 1 | ND | ND | 7.70 | 37.6 |
| 8-Jun-15 | 1280 | ND | ND | ND | 6.33 | 41.3 |
| 31-Aug-15 | 1220 | ND | ND | ND | 6.45 | 45.8 |
| 19-Oct-15 | 1190 | ND | ND | ND | 6.27 | 38.5 |


TW4-4 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

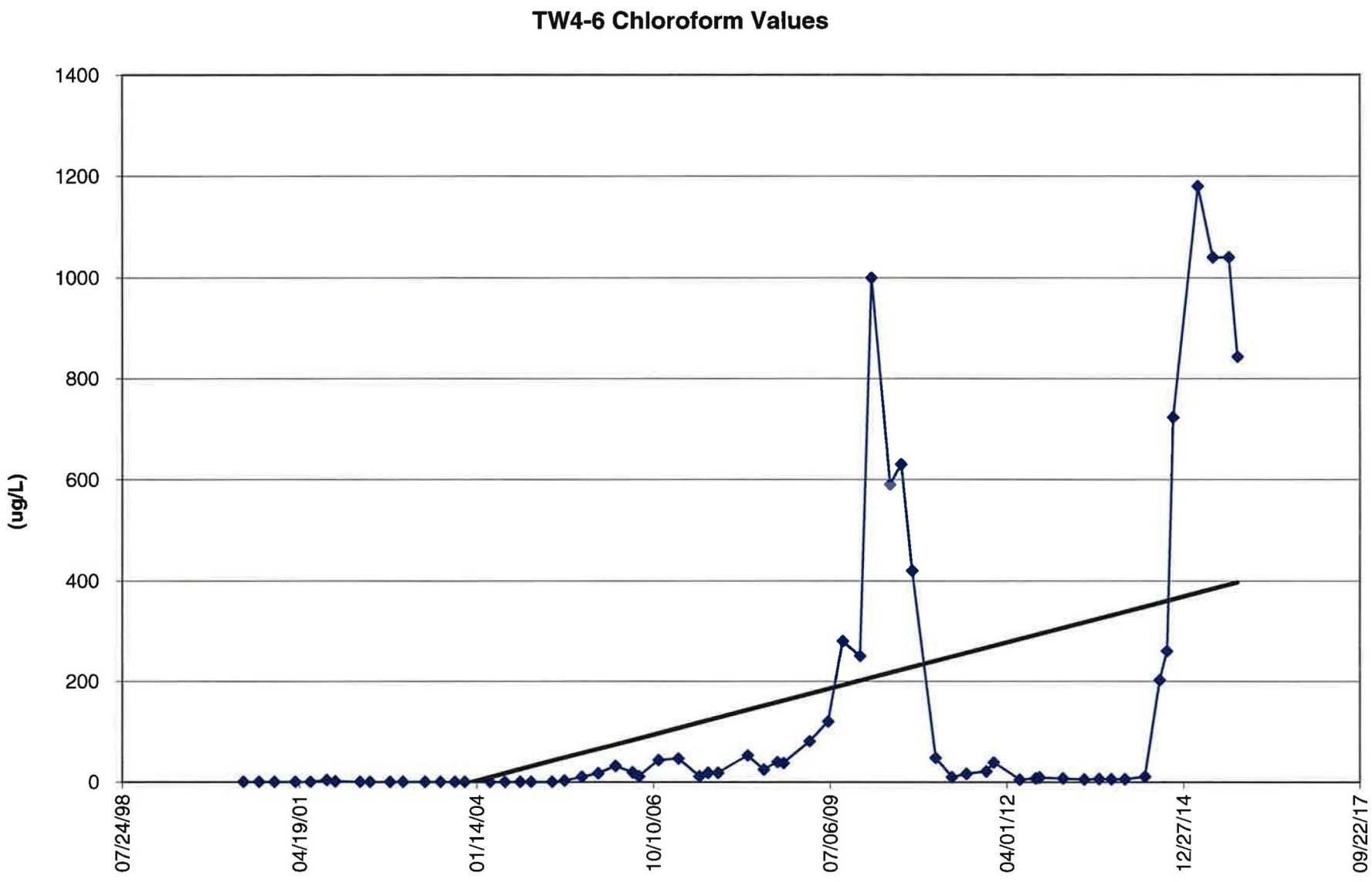
| TW4-5 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 20-Dec-99 | 29.5 | | | | | |
| 15-Mar-00 | 49.0 | | | | | |
| 2-Sep-00 | 124 | | | | | |
| 29-Nov-00 | 255 | | | | | |
| 28-Mar-01 | 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 |
| 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 |

| TW4-5 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 13-Oct-10 | 11.0 | <1 | <1 | <1 | 7.2 | 41 |
| 22-Feb-11 | 10.0 | ND | ND | ND | 7 | 34 |
| 26-May-11 | 9.0 | ND | ND | ND | 7.2 | 35 |
| 17-Aug-11 | 10.0 | ND | ND | ND | 7.5 | 37 |
| 7-Dec-11 | 7.9 | ND | ND | ND | 6 | 30 |
| 18-Jan-12 | 7.6 | ND | ND | ND | 5.8 | 22 |
| 6-Jun-12 | 8.4 | ND | ND | ND | 8 | 39 |
| 11-Sep-12 | 12.0 | ND | ND | ND | 8.1 | 37 |
| 3-Oct-12 | 8.0 | ND | ND | ND | 7.7 | 38 |
| 13-Feb-13 | 10.8 | ND | ND | ND | 8.24 | 34.3 |
| 13-Jun-13 | 11.2 | ND | ND | ND | 10.7 | 36.5 |
| 5-Sep-13 | 11.6 | ND | ND | ND | 7.79 | 39.1 |
| 13-Nov-13 | 14.4 | ND | ND | ND | 7.75 | 41.1 |
| 30-Jan-14 | 12.5 | ND | ND | ND | 9.16 | 40.5 |
| 22-May-14 | 13.4 | ND | ND | ND | 7.78 | 51.4 |
| 14-Aug-14 | 12.0 | ND | ND | ND | 7.2 | 44 |
| 28-Oct-14 | 14.6 | ND | ND | ND | 8.31 | 45.1 |
| 12-Mar-15 | 13.8 | ND | ND | ND | 9.32 | 45.1 |
| 10-Jun-15 | 13.3 | ND | 1.07 | ND | 7.08 | 47.3 |
| 3-Sep-15 | 12.9 | ND | ND | ND | 8.1 | 52.2 |
| 28-Oct-15 | 11.0 | ND | ND | ND | 8.03 | 43.6 |


TW4-5 Chloroform Values
(ug/L)
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

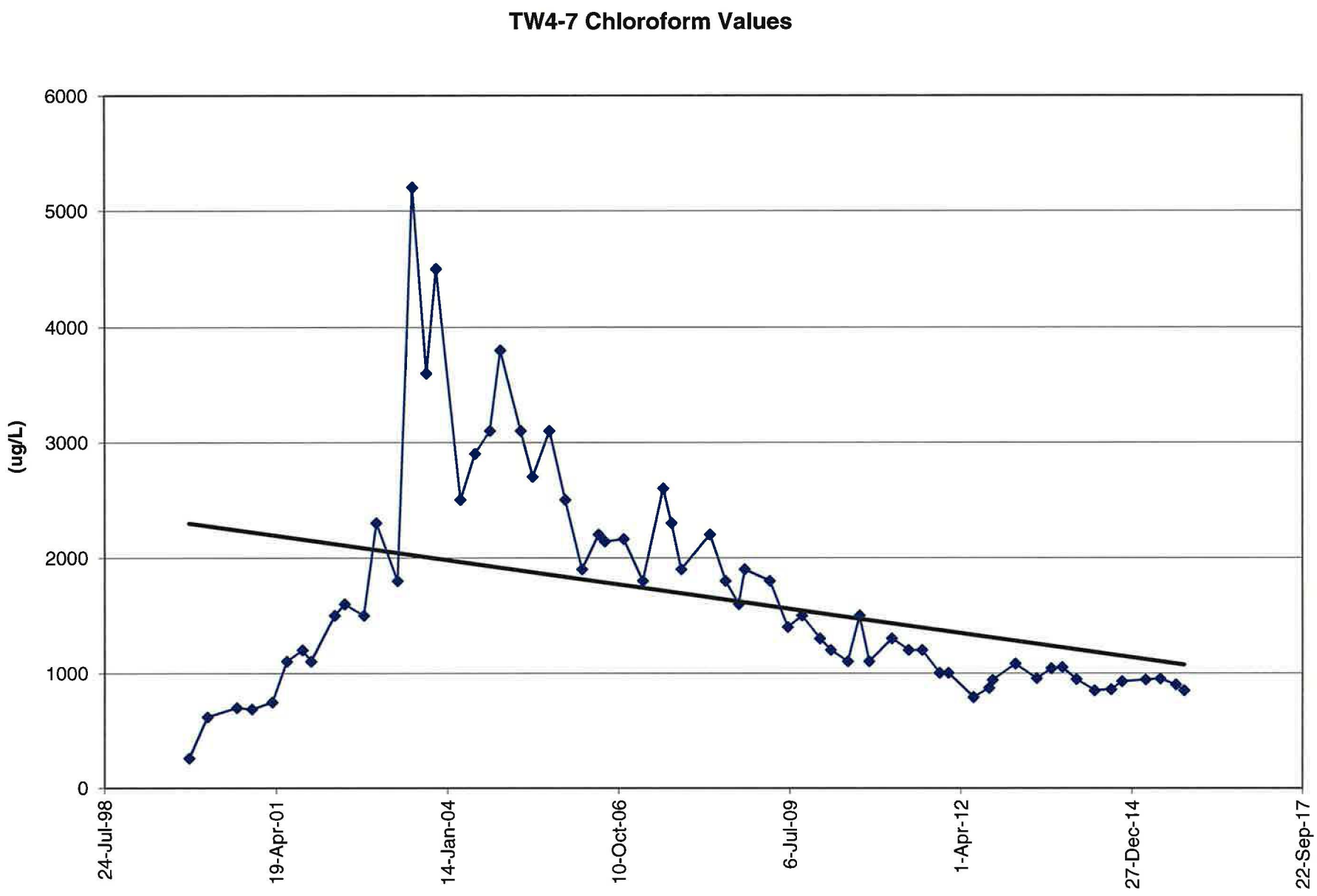
| TW4-6 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 6-Jun-00 | 0 | | | | | |
| 2-Sep-00 | 0 | | | | | |
| 28-Nov-00 | 0 | | | | ND | |
| 26-Mar-01 | 0 | | | | 0.13 | |
| 20-Jun-01 | 0 | | | | ND | |
| 20-Sep-01 | 4 | | | | ND | |
| 7-Nov-01 | 1 | | | | ND | |
| 26-Mar-02 | 0 | | | | ND | |
| 21-May-02 | 0 | | | | ND | |
| 12-Sep-02 | 0 | | | | ND | |
| 24-Nov-02 | 0 | | | | ND | |
| 28-Mar-03 | 0 | | | | 0.1 | |
| 23-Jun-03 | 0 | | | | ND | |
| 12-Sep-03 | 0 | | | | ND | |
| 8-Nov-03 | 0 | | | | ND | |
| 29-Mar-04 | 0 | | | | ND | |
| 22-Jun-04 | 0 | | | | ND | |
| 17-Sep-04 | 0 | | | | ND | |
| 17-Nov-04 | 0 | | | | ND | |
| 16-Mar-05 | 0 | | | | 0.2 | |
| 25-May-05 | 2.5 | NA | NA | NA | 0.4 | NA |
| 31-Aug-05 | 10.0 | <1 | 2.8 | <1 | 0.8 | NA |
| 1-Dec-05 | 17.0 | <1 | 1.3 | <1 | 0.9 | NA |
| 9-Mar-06 | 31.0 | <1 | <1 | <1 | 1.2 | 31 |
| 14-Jun-06 | 19.0 | <1 | <1 | <1 | 1 | 30 |
| 20-Jul-06 | 11.0 | <1 | <1 | <1 | 0.6 | 37 |
| 8-Nov-06 | 42.8 | <1 | <1 | <1 | 1.4 | 65 |
| 28-Feb-07 | 46.0 | <1 | <1 | <1 | 1.5 | 32 |
| 27-Jun-07 | 11.0 | <1 | <1 | <1 | 0.6 | 38 |
| 15-Aug-07 | 18.0 | <1 | <1 | <1 | 0.7 | 36 |
| 10-Oct-07 | 18.0 | <1 | <1 | <1 | 0.8 | 38 |
| 26-Mar-08 | 52.0 | <1 | <1 | <1 | 1.1 | 33 |
| 25-Jun-08 | 24.0 | <1 | <1 | <1 | 0.9 | 35 |
| 10-Sep-08 | 39.0 | <1 | <1 | <1 | 1.14 | 35 |
| 15-Oct-08 | 37.0 | <1 | <1 | <1 | 1.01 | 33 |
| 11-Mar-09 | 81.0 | <1 | <1 | <1 | 2.2 | 35 |
| 24-Jun-09 | 120 | <1 | <1 | <1 | 2.7 | 37 |
| 15-Sep-09 | 280 | <1 | <1 | <1 | 5.0 | 37 |
| 22-Dec-09 | 250 | <1 | <1 | <1 | 6.1 | 41 |
| 25-Feb-10 | 1000 | <1 | <1 | <1 | 1.6 | 45 |
| 10-Jun-10 | 590 | <1 | <1 | <1 | 2.5 | 33 |
| 12-Aug-10 | 630 | <1 | <1 | <1 | 3.9 | 31 |
| 13-Oct-10 | 420 | <1 | <1 | <1 | 4.3 | 41 |
| 23-Feb-11 | 47 | ND | ND | ND | 0.7 | 40 |
| 26-May-11 | 10 | ND | ND | ND | 0.3 | 42 |
| 17-Aug-11 | 16 | ND | ND | ND | 0.3 | 39 |
| 7-Dec-11 | 21 | ND | ND | ND | 0.8 | 36 |

| TW4-6 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 18-Jan-12 | 38 | ND | ND | ND | 0.7 | 38 |
| 13-Jun-12 | 4.7 | ND | ND | ND | 0.2 | 40 |
| 11-Sep-12 | 6.9 | ND | ND | ND | 0.1 | 21 |
| 3-Oct-12 | 9.0 | ND | ND | ND | 0.2 | 41 |
| 13-Feb-13 | 6.9 | ND | ND | ND | 0.154 | 40.4 |
| 13-Jun-13 | 4.9 | ND | ND | ND | 0.155 | 37.9 |
| 5-Sep-13 | 5.9 | ND | ND | ND | 0.157 | 40.6 |
| 13-Nov-13 | 5.5 | ND | ND | ND | 1.52 | 40.2 |
| 29-Jan-14 | 5.7 | ND | ND | ND | 0.184 | 40.6 |
| 22-May-14 | 10.3 | ND | ND | ND | 0.312 | 37 |
| 14-Aug-14 | 202.0 | ND | ND | ND | 4.2 | 40 |
| 24-Sep-14 | 260.0 | ND | ND | ND | N/A | N/A |
| 29-Oct-14 | 723.0 | ND | ND | ND | 6.92 | 41.1 |
| 18-Mar-15 | 1180.0 | ND | ND | ND | 5.25 | 41.2 |
| 11-Jun-15 | 1040.0 | ND | ND | ND | 5.87 | 41.6 |
| 10-Sep-15 | 1040.0 | ND | ND | ND | 6.75 | 47.0 |
| 29-Oct-15 | 843.0 | ND | ND | ND | 5.61 | 40.2 |


TW4-6 Chloroform Values
(ug/L)
1400
1200
1000
800
600
400
200
0
07/24/98
04/19/01
01/14/04
10/10/06
07/06/09
04/01/12
12/27/14
09/22/17

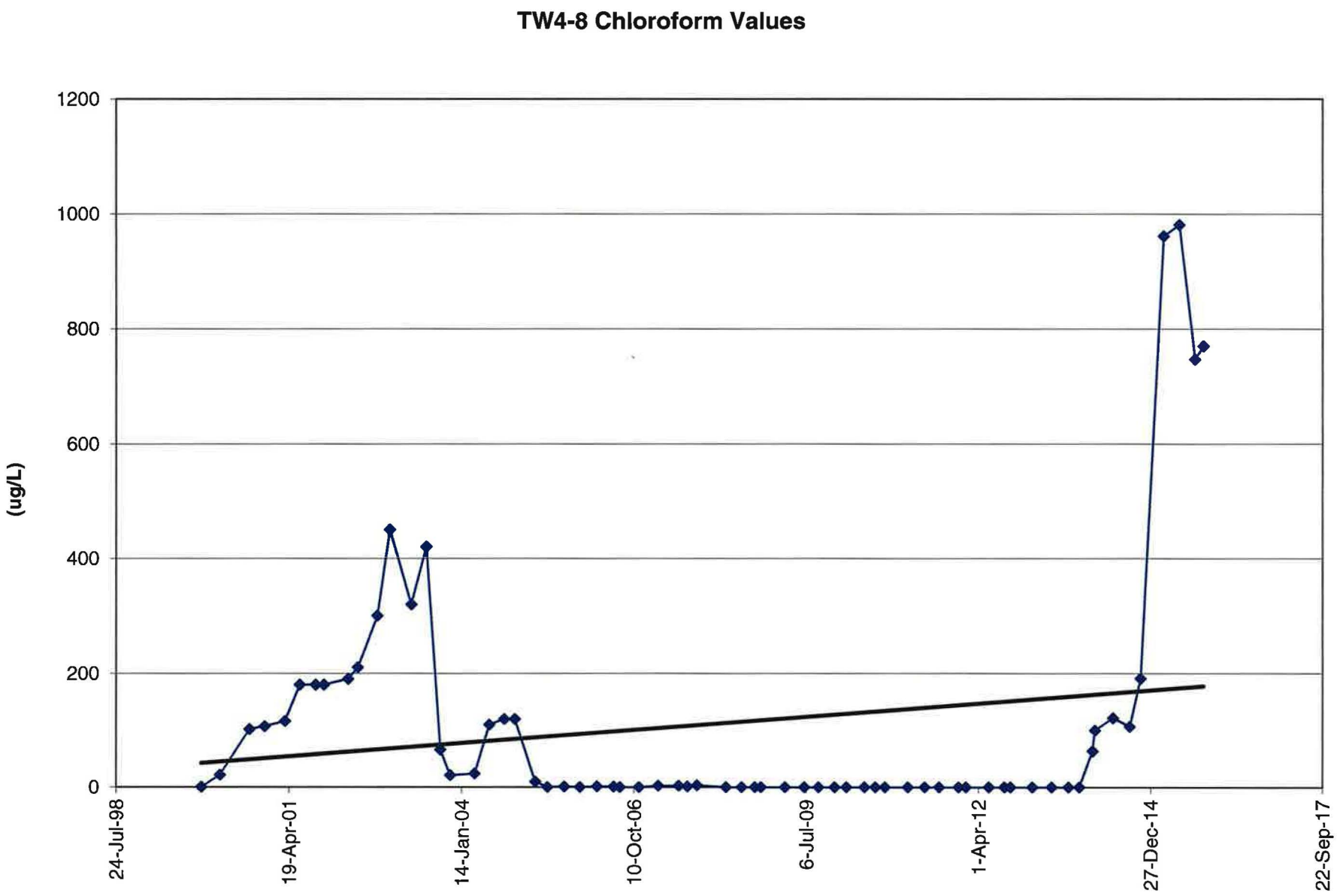
| TW4-7 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 29-Nov-99 | 256 | | | | | |
| 15-Mar-00 | 616 | | | | | |
| 2-Sep-00 | 698 | | | | | |
| 29-Nov-00 | 684 | | | | 1.99 | |
| 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 |
| 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 |

| TW4-7 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 13-Oct-10 | 1100 | 1.1 | <1 | <1 | 4 | 38 |
| 23-Feb-11 | 1300 | ND | ND | ND | 3.6 | 45 |
| 1-Jun-11 | 1200 | ND | ND | ND | 4 | 35 |
| 18-Aug-11 | 1200 | ND | ND | ND | 4.1 | 37 |
| 29-Nov-11 | 1000 | ND | ND | ND | 3.8 | 37 |
| 19-Jan-12 | 1000 | ND | ND | ND | 3.9 | 37 |
| 14-Jun-12 | 790 | ND | ND | ND | 4 | 41 |
| 13-Sep-12 | 870 | ND | ND | ND | 3.8 | 40 |
| 4-Oct-12 | 940 | ND | ND | ND | 3.8 | 41 |
| 13-Feb-13 | 1080 | 3.51 | ND | ND | 3.9 | 37.7 |
| 18-Jun-13 | 953 | ND | ND | ND | 4.04 | 39.3 |
| 12-Sep-13 | 1040 | ND | ND | ND | 4.17 | 36.4 |
| 14-Nov-13 | 1050 | ND | ND | ND | 4.13 | 37.2 |
| 5-Feb-14 | 946 | 5.41 | ND | ND | 4.24 | 38.2 |
| 23-May-14 | 847 | 4.78 | ND | ND | 4.19 | 37.7 |
| 27-Aug-14 | 857 | ND | 1.5 | ND | 2.9 | 39 |
| 30-Oct-14 | 926 | ND | ND | ND | 3.68 | 40.2 |
| 18-Mar-15 | 942 | ND | ND | ND | 4.25 | 40.4 |
| 11-Jun-15 | 950 | ND | ND | ND | 2.62 | 42.1 |
| 10-Sep-15 | 897 | ND | ND | ND | 4.72 | 46.7 |
| 29-Oct-15 | 847 | ND | ND | ND | 3.49 | 40.6 |


TW4-7 Chloroform Values
(ug/L)
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

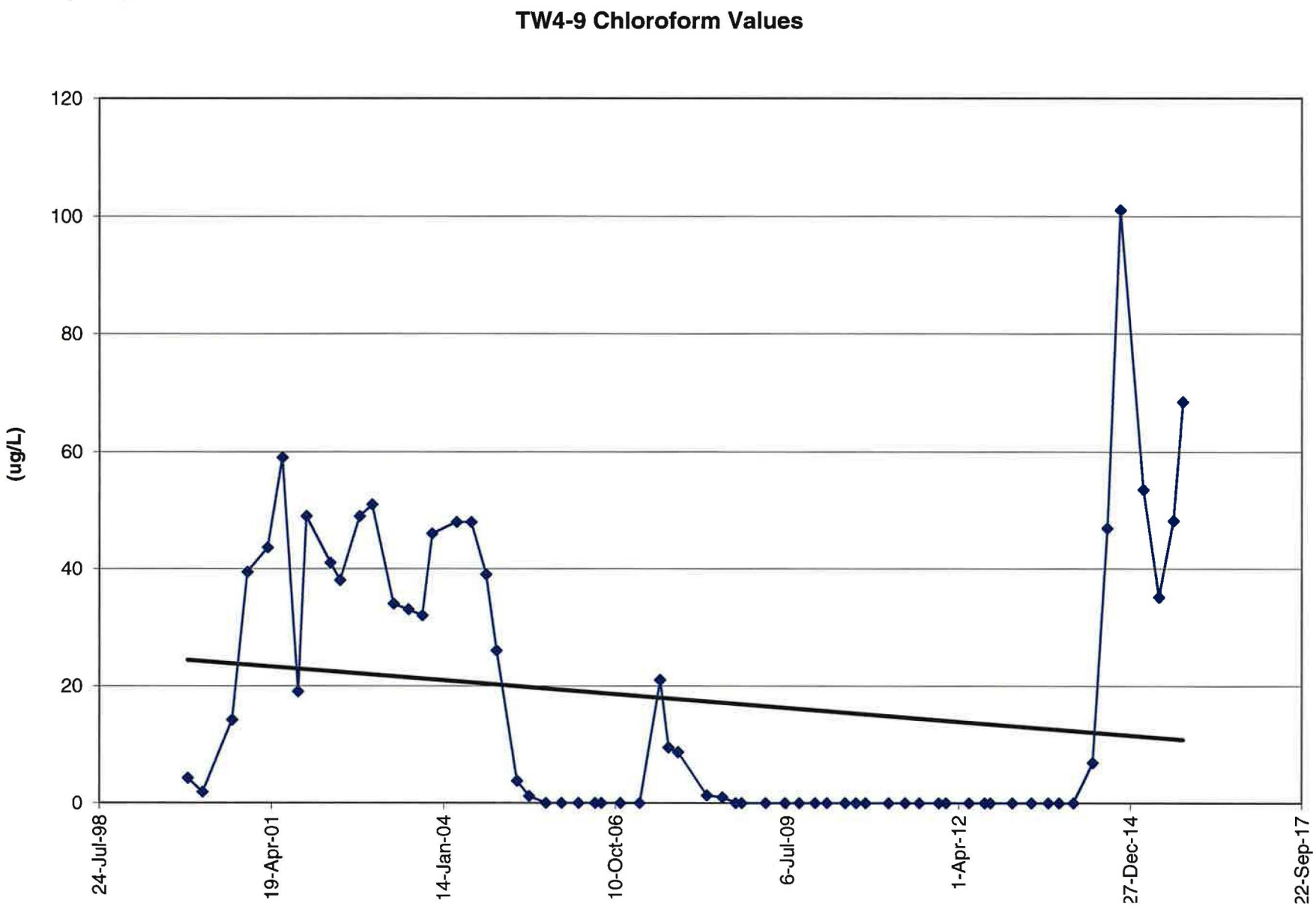
| TW4-8 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 29-Nov-99 | 0 | | | | | |
| 15-Mar-00 | 21.8 | | | | | |
| 2-Sep-00 | 102 | | | | | |
| 29-Nov-00 | 107 | | | | ND | |
| 26-Mar-01 | 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 |
| 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 |

| TW4-8 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 5-Oct-10 | <1 | <1 | <1 | <1 | <0.1 | 46 |
| 16-Feb-11 | ND | ND | ND | ND | ND | 52 |
| 25-May-11 | ND | ND | ND | ND | 0.1 | 45 |
| 16-Aug-11 | ND | ND | ND | ND | 0.1 | 46 |
| 7-Dec-11 | ND | ND | ND | ND | 0.2 | 45 |
| 18-Jan-12 | ND | ND | ND | ND | 0.3 | 45 |
| 31-May-12 | ND | ND | ND | ND | 0.2 | 44 |
| 29-Aug-12 | ND | ND | ND | ND | 0.1 | 48 |
| 3-Oct-12 | ND | ND | ND | ND | ND | 47 |
| 7-Feb-13 | ND | ND | ND | ND | 0.411 | 46.6 |
| 30-May-13 | ND | ND | ND | ND | ND | 45.5 |
| 5-Sep-13 | ND | ND | ND | ND | ND | 47.5 |
| 7-Nov-13 | ND | ND | ND | ND | ND | 46.1 |
| 23-Jan-14 | 63.8 | ND | ND | ND | 0.166 | 48.5 |
| 6-Feb-14 | 100 | ND | ND | ND | 0.165 | 46.6 |
| 22-May-14 | 122 | ND | ND | ND | 0.538 | 53 |
| 27-Aug-14 | 107 | ND | ND | ND | 0.6 | 47 |
| 29-Oct-14 | 191 | ND | ND | ND | 0.914 | 46.7 |
| 12-Mar-15 | 961 | ND | ND | ND | 2.34 | 49.6 |
| 11-Jun-15 | 981 | ND | ND | ND | 1.88 | 53 |
| 10-Sep-15 | 747 | ND | ND | ND | 1.96 | 59.6 |
| 29-Oct-15 | 770 | ND | ND | ND | 2.2 | 52.0 |


TW4-8 Chloroform Values
(ug/L)
1200
1000
800
600
400
200
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

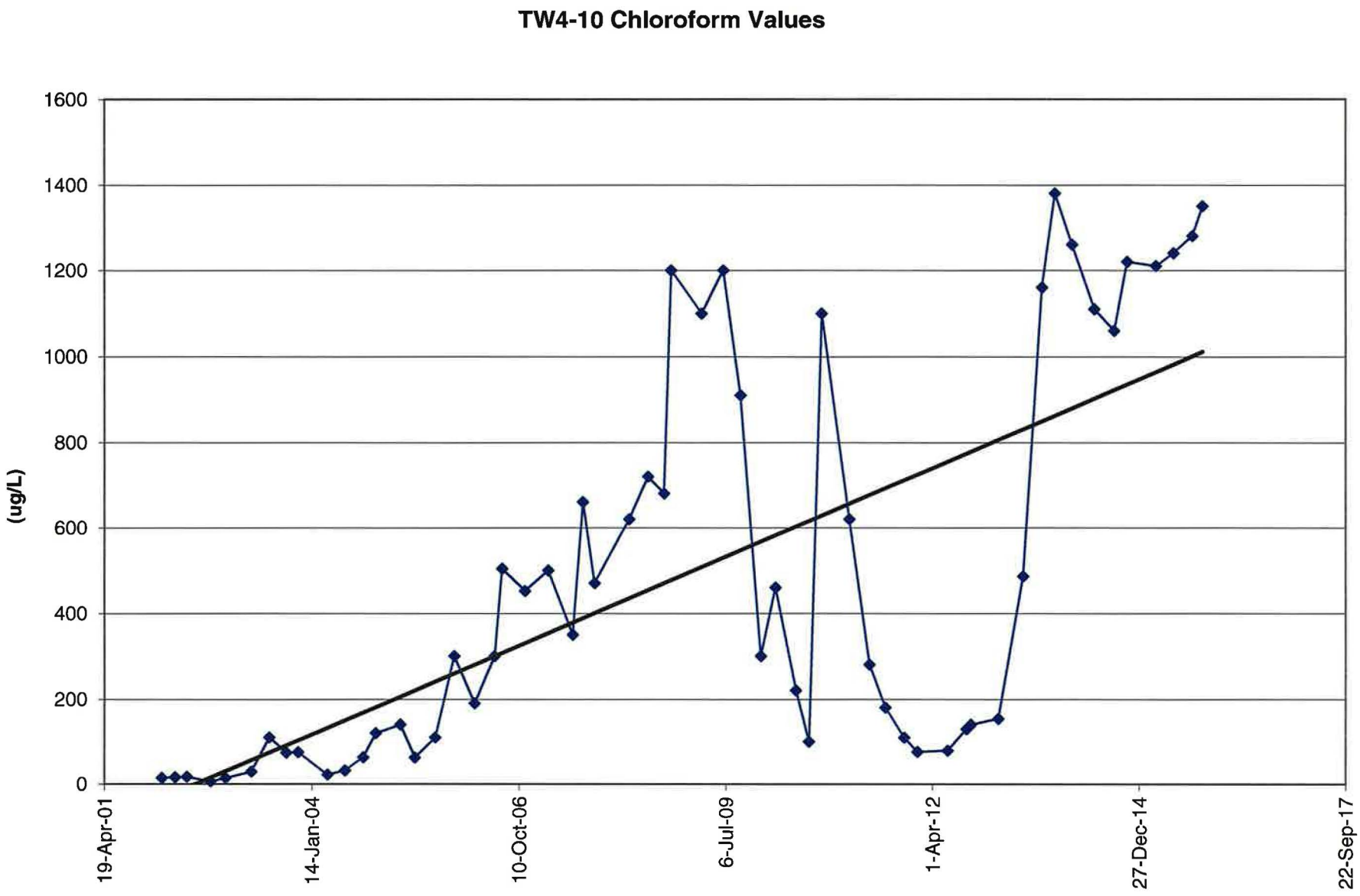
| TW4-9 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 20-Dec-99 | 4.2 | | | | | |
| 15-Mar-00 | 1.9 | | | | | |
| 2-Sep-00 | 14.2 | | | | | |
| 29-Nov-00 | 39.4 | | | | ND | |
| 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 |
| 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 |

| TW4-9 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 6-Oct-10 | <1 | <1 | <1 | <1 | 1.8 | 34 |
| 17-Feb-11 | ND | ND | ND | ND | 1.3 | 41 |
| 25-May-11 | ND | ND | ND | ND | 3.4 | 38 |
| 16-Aug-11 | ND | ND | ND | ND | 4 | 21 |
| 7-Dec-11 | ND | ND | ND | ND | 2.3 | 38 |
| 18-Jan-12 | ND | ND | ND | ND | 2.3 | 28 |
| 31-May-12 | ND | ND | ND | ND | 4 | 23 |
| 30-Aug-12 | ND | ND | ND | ND | 3.9 | 22 |
| 3-Oct-12 | ND | ND | ND | ND | 3.8 | 21 |
| 7-Feb-13 | ND | ND | ND | ND | 4.12 | 20.6 |
| 30-May-13 | ND | ND | ND | ND | 4.49 | 21.4 |
| 5-Sep-13 | ND | ND | ND | ND | 4.03 | 22.7 |
| 7-Nov-13 | ND | ND | ND | ND | 4.87 | 23.6 |
| 29-Jan-14 | ND | ND | ND | ND | 4.36 | 22 |
| 21-May-14 | 6.9 | ND | ND | ND | 3.44 | 24 |
| 14-Aug-14 | 46.9 | ND | ND | ND | 2.7 | 27 |
| 29-Oct-14 | 101 | ND | ND | ND | 4.27 | 25 |
| 12-Mar-15 | 53.5 | ND | ND | ND | 3.28 | 29.5 |
| 11-Jun-15 | 35.1 | ND | ND | ND | 1.83 | 35.3 |
| 3-Sep-15 | 48.2 | ND | ND | ND | 1.44 | 39.5 |
| 28-Oct-15 | 68.4 | ND | ND | ND | 2.89 | 29.2 |


TW4-9 Chloroform Values
(ug/L)
120
100
80
60
40
20
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

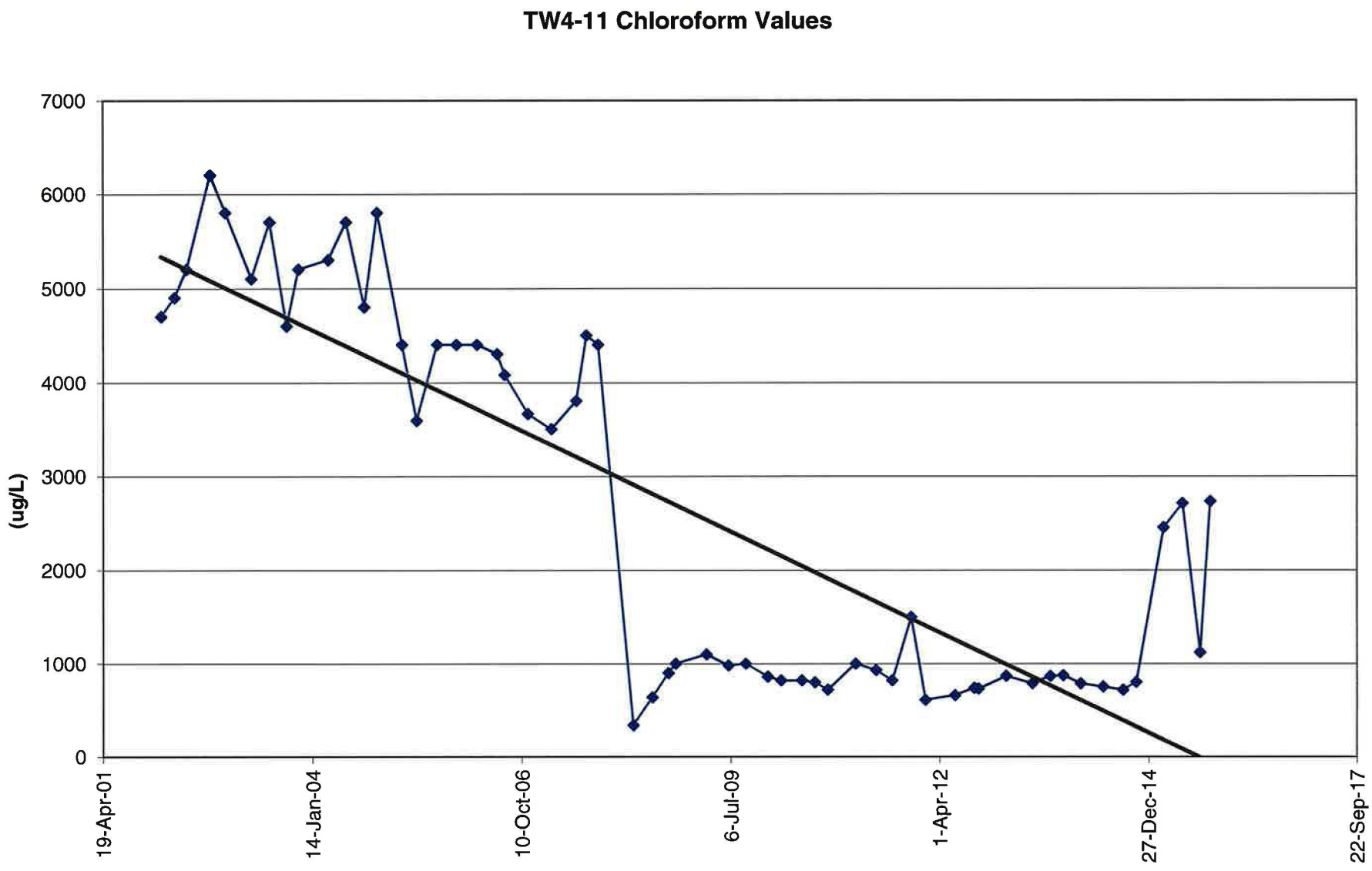
| TW4-10 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 21-Jan-02 | 14 | | | | | |
| 26-Mar-02 | 16 | | | | 0.14 | |
| 21-May-02 | 17 | | | | 0.11 | |
| 12-Sep-02 | 6 | | | | ND | |
| 24-Nov-02 | 14 | | | | ND | |
| 28-Mar-03 | 29 | | | | 0.2 | |
| 23-Jun-03 | 110 | | | | 0.4 | |
| 12-Sep-03 | 74 | | | | 0.4 | |
| 8-Nov-03 | 75 | | | | 0.3 | |
| 29-Mar-04 | 22 | | | | 0.1 | |
| 22-Jun-04 | 32 | | | | ND | |
| 17-Sep-04 | 63 | | | | 0.46 | |
| 17-Nov-04 | 120 | | | | 0.4 | |
| 16-Mar-05 | 140 | | | | 1.6 | |
| 25-May-05 | 62.4 | NA | NA | NA | 0.8 | NA |
| 31-Aug-05 | 110 | <2.5 | 6.2 | <2.5 | 1.1 | NA |
| 1-Dec-05 | 300 | <2.5 | <2.5 | <2.5 | 3.3 | NA |
| 9-Mar-06 | 190 | <5 | <50 | <50 | 2.4 | 50 |
| 14-Jun-06 | 300 | <5 | <50 | <50 | 3.5 | 54 |
| 20-Jul-06 | 504 | <5 | <50 | <50 | 6.8 | 61 |
| 8-Nov-06 | 452 | <1 | 1.6 | 1 | 5.7 | 58 |
| 28-Feb-07 | 500 | <1 | <1 | 1 | 7.6 | 62 |
| 27-Jun-07 | 350 | <1 | <1 | 1 | 5.1 | 54 |
| 15-Aug-07 | 660 | <1 | <1 | 1 | 7.3 | 59 |
| 10-Oct-07 | 470 | <1 | <1 | 1 | 6.7 | 59 |
| 26-Mar-08 | 620 | <1 | <1 | 1 | 7.3 | 55 |
| 25-Jun-08 | 720 | <1 | <1 | 1 | 9.91 | 58 |
| 10-Sep-08 | 680 | <1 | <1 | 1 | 9.23 | 51 |
| 15-Oct-08 | 1200 | <2 | <2 | 2 | 10.5 | 61 |
| 11-Mar-09 | 1100 | <1 | <1 | 1 | 11.6 | 64 |
| 24-Jun-09 | 1200 | <1 | <1 | 1 | 9.8 | 62 |
| 15-Sep-09 | 910 | <1 | <1 | 1 | 8.1 | 51 |
| 22-Dec-09 | 300 | <1 | <1 | <1 | 3.5 | 51 |
| 3-Mar-10 | 460 | <1 | <1 | <1 | 5 | 49 |
| 10-Jun-10 | 220 | <1 | <1 | <1 | 1.6 | 42 |
| 12-Aug-10 | 100 | <1 | <1 | <1 | 0.8 | 38 |
| 13-Oct-10 | 1100 | <1 | <1 | <1 | 11 | 52 |
| 23-Feb-11 | 620 | ND | ND | ND | 9 | 62 |
| 1-Jun-11 | 280 | ND | ND | ND | 3.3 | 42 |
| 17-Aug-11 | 180 | ND | ND | ND | 1.9 | 41 |
| 16-Nov-11 | 110 | ND | ND | ND | 1.1 | 45 |
| 19-Jan-12 | 76 | ND | ND | ND | 0.9 | 40 |
| 13-Jun-12 | 79 | ND | ND | ND | 0.8 | 46 |

| TW4-10 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-12 | 130 | ND | ND | ND | 1.0 | 44 |
| 3-Oct-12 | 140 | ND | ND | ND | 1.6 | 45 |
| 13-Feb-13 | 154 | ND | ND | ND | 1.2 | 49.1 |
| 13-Jun-13 | 486 | ND | ND | ND | 5.6 | 51.5 |
| 12-Sep-13 | 1160 | ND | ND | ND | 13.0 | 67.9 |
| 14-Nov-13 | 1380 | ND | ND | ND | 16.0 | 70.9 |
| 5-Feb-14 | 1260 | 5.16 | ND | ND | 16.8 | 73 |
| 23-May-14 | 1110 | ND | ND | ND | 13.9 | 77.3 |
| 27-Aug-14 | 1060 | ND | 1.5 | ND | 9.8 | 74 |
| 30-Oct-14 | 1220 | ND | ND | ND | 13.2 | 75.2 |
| 18-Mar-15 | 1210 | ND | ND | ND | 15.0 | 78.6 |
| 11-Jun-15 | 1240 | ND | ND | ND | 11.4 | 75 |
| 10-Sep-15 | 1280 | ND | ND | ND | 14.0 | 89.5 |
| 29-Oct-15 | 1350 | ND | ND | ND | 13.5 | 79.9 |


TW4-10 Chloroform Values
(ug/L)
1600
1400
1200
1000
800
600
400
200
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

| TW4-11 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 21-Jan-02 | 4700 | | | | | |
| 26-Mar-02 | 4900 | | | | 9.6 | |
| 22-May-02 | 5200 | | | | 9.07 | |
| 12-Sep-02 | 6200 | | | | 8.84 | |
| 24-Nov-02 | 5800 | | | | 9.7 | |
| 28-Mar-03 | 5100 | | | | 9.7 | |
| 23-Jun-03 | 5700 | | | | 9.4 | |
| 12-Sep-03 | 4600 | | | | 9.9 | |
| 8-Nov-03 | 5200 | | | | 9.3 | |
| 29-Mar-04 | 5300 | | | | 9.07 | |
| 22-Jun-04 | 5700 | | | | 8.74 | |
| 17-Sep-04 | 4800 | | | | 8.75 | |
| 17-Nov-04 | 5800 | | | | 9.7 | |
| 16-Mar-05 | 4400 | | | | 8.7 | |
| 25-May-05 | 3590 | NA | NA | NA | 10.3 | NA |
| 31-Aug-05 | 4400 | <10 | <10 | <10 | 9.4 | NA |
| 1-Dec-05 | 4400 | <100 | <100 | <100 | 9.4 | NA |
| 9-Mar-06 | 4400 | <50 | <50 | <50 | 9.2 | 56 |
| 14-Jun-06 | 4300 | <50 | <50 | <50 | 10 | 56 |
| 20-Jul-06 | 4080 | <50 | <50 | <50 | 10 | 55 |
| 8-Nov-06 | 3660 | 1.7 | 2.7 | 1.3 | 10 | 55 |
| 28-Feb-07 | 3500 | 1.3 | <1 | 1.6 | 10.1 | 54 |
| 27-Jun-07 | 3800 | 1.6 | <1 | 1.1 | 10.6 | 53 |
| 15-Aug-07 | 4500 | 1.7 | <1 | 1.1 | 10.2 | 53 |
| 10-Oct-07 | 4400 | 1.6 | <1 | 1.2 | 9.8 | 53 |
| 26-Mar-08 | 340 | <1 | <1 | <1 | 7.7 | 63 |
| 25-Jun-08 | 640 | <1 | <1 | <1 | 7.28 | 46 |
| 10-Sep-08 | 900 | <1 | <1 | <1 | 7.93 | 42 |
| 15-Oct-08 | 1000 | <2 | <2 | <2 | 9.46 | 47 |
| 11-Mar-09 | 1100 | <1 | <1 | <1 | 7.3 | 49 |
| 24-Jun-09 | 980 | <1 | <1 | <1 | 6.8 | 44 |
| 15-Sep-09 | 1000 | <1 | <1 | <1 | 7 | 49 |
| 29-Dec-09 | 860 | <1 | <1 | <1 | 6.6 | 46 |
| 3-Mar-10 | 820 | <1 | <1 | <1 | 6.8 | 42 |
| 10-Jun-10 | 820 | <1 | <1 | <1 | 6.9 | 40 |
| 12-Aug-10 | 800 | <1 | <1 | <1 | 6.7 | 43 |
| 13-Oct-10 | 720 | <1 | <1 | <1 | 6.4 | 49 |
| 23-Feb-11 | 1000 | ND | ND | ND | 6.5 | 46 |
| 1-Jun-11 | 930 | ND | ND | ND | 7.3 | 49 |
| 17-Aug-11 | 820 | ND | ND | ND | 7.1 | 48 |
| 16-Nov-11 | 1500 | ND | ND | ND | 7.1 | 46 |
| 24-Jan-12 | 610 | ND | ND | ND | 6.8 | 43 |
| 13-Jun-12 | 660 | ND | ND | ND | 6.7 | 52 |

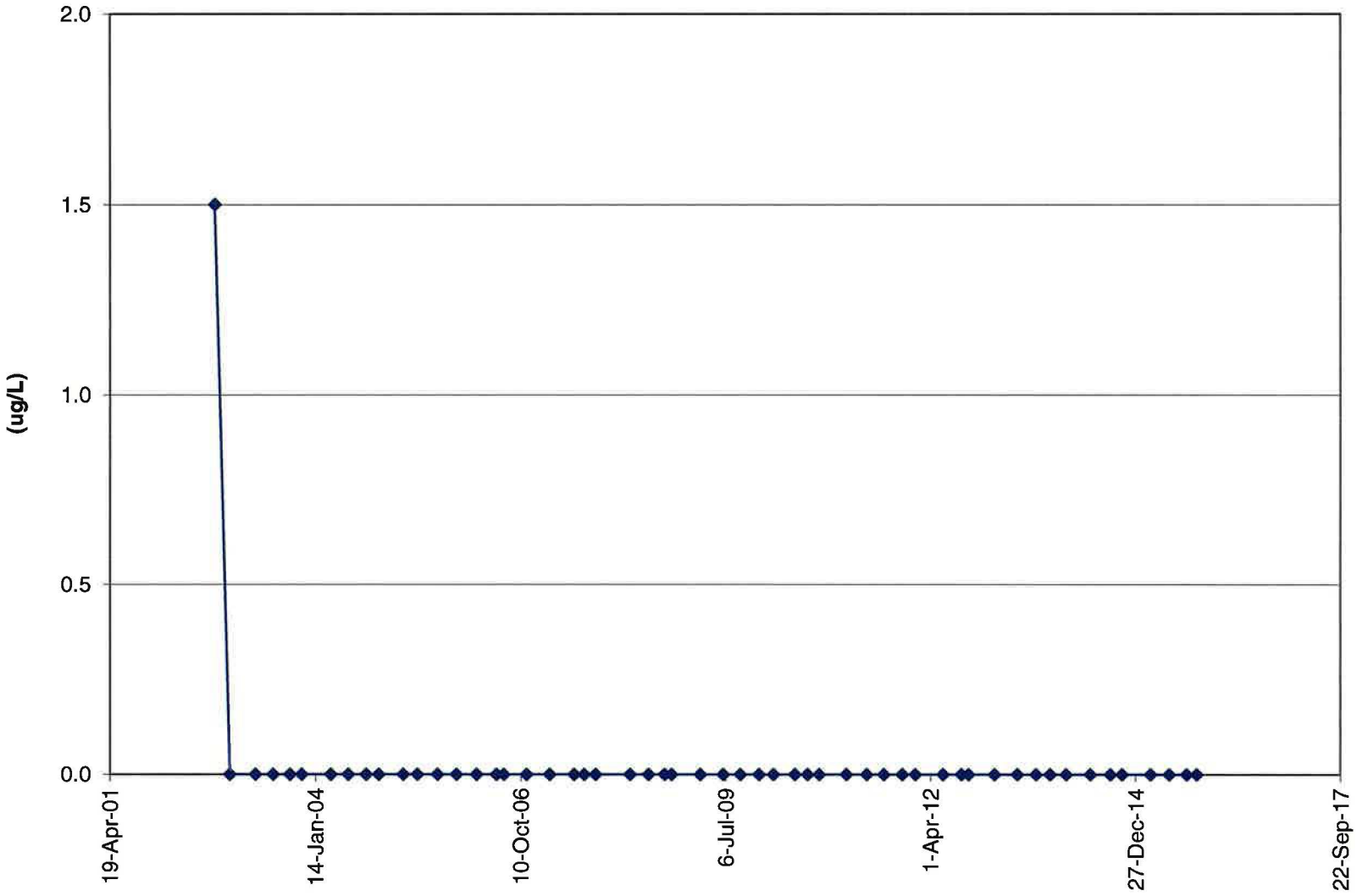
| TW4-11 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 13-Sep-12 | 740 | ND | ND | ND | 3 | 49 |
| 4-Oct-12 | 730 | ND | ND | ND | 7 | 50 |
| 13-Feb-13 | 867 | 3.23 | ND | ND | 6.83 | 47.3 |
| 18-Jun-13 | 788 | ND | ND | ND | 7.42 | 49.7 |
| 12-Sep-13 | 865 | ND | ND | ND | 7.8 | 46.6 |
| 13-Nov-13 | 874 | ND | ND | ND | 8.01 | 46.7 |
| 5-Feb-14 | 785 | 5.19 | ND | ND | 8.47 | 48.5 |
| 23-May-14 | 751 | ND | ND | ND | 6.92 | 51.6 |
| 27-Aug-14 | 719 | ND | 1.2 | ND | 5.4 | 48 |
| 29-Oct-14 | 803 | ND | ND | ND | 7.33 | 56.4 |
| 9-Mar-15 | 2450 | 1.24 | ND | ND | 8.72 | 49.8 |
| 8-Jun-15 | 2710 | ND | ND | ND | 8.48 | 62.2 |
| 31-Aug-15 | 1120 | ND | 1.62 | ND | 9.61 | 73.1 |
| 19-Oct-15 | 2730 | ND | ND | ND | 7.5 | 55.3 |


TW4-11 Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

| TW4-12 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 2 | | | | 2.54 | |
| 24-Nov-02 | 0 | | | | 2.2 | |
| 28-Mar-03 | 0 | | | | 1.9 | |
| 23-Jun-03 | 0 | | | | 1.8 | |
| 12-Sep-03 | 0 | | | | 1.8 | |
| 9-Nov-03 | 0 | | | | 1.6 | |
| 29-Mar-04 | 0 | | | | 1.58 | |
| 22-Jun-04 | 0 | | | | 1.4 | |
| 17-Sep-04 | 0 | | | | 1.24 | |
| 17-Nov-04 | 0 | | | | 1.5 | |
| 16-Mar-05 | 0 | | | | 1.4 | |
| 25-May-05 | <1 | NA | NA | NA | 1.6 | NA |
| 31-Aug-05 | <1 | <1 | 5.8 | <1 | 1.5 | NA |
| 1-Dec-05 | <1 | <1 | 1.9 | <2 | 1.4 | NA |
| 9-Mar-06 | <1 | <1 | 2.6 | <1 | 1.3 | 19 |
| 14-Jun-06 | <1 | <1 | 1.4 | <1 | 1.4 | 16 |
| 20-Jul-06 | <1 | <1 | <1 | <1 | 1.4 | 16 |
| 8-Nov-06 | <1 | <1 | <1 | <1 | 1.4 | 16 |
| 28-Feb-07 | <1 | <1 | <1 | <1 | 1.5 | 16 |
| 27-Jun-07 | <1 | <1 | <1 | <1 | 1,5 | 18 |
| 15-Aug-07 | <1 | <1 | <1 | <1 | 1.4 | 29 |
| 10-Oct-07 | <1 | <1 | <1 | <1 | 1.4 | 16 |
| 26-Mar-08 | <1 | <1 | <1 | <1 | 1.6 | 16 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | 2.69 | 19 |
| 10-Sep-08 | <1 | <1 | <1 | <1 | 2.65 | 18 |
| 15-Oct-08 | <1 | <1 | <1 | <1 | 2.47 | 22 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | 2.4 | 23 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | 3.8 | 22 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | 5.1 | 22 |
| 16-Dec-09 | <1 | <1 | <1 | <1 | 3.6 | 23 |
| 23-Feb-10 | <1 | <1 | <1 | <1 | 4 | 22 |
| 8-Jun-10 | <1 | <1 | <1 | <1 | 11 | 29 |
| 10-Aug-10 | <1 | <1 | <1 | <1 | 9 | 35 |
| 5-Oct-10 | <1 | <1 | <1 | <1 | 8 | 31 |
| 15-Feb-11 | ND | ND | ND | ND | 6.5 | 31 |
| 25-May-11 | ND | ND | ND | ND | 7 | 32 |
| 16-Aug-11 | ND | ND | ND | ND | 6.8 | 31 |
| 15-Nov-11 | ND | ND | ND | ND | 8 | 30 |
| 17-Jan-12 | ND | ND | ND | ND | 7.7 | 28 |
| 31-May-12 | ND | ND | ND | ND | 10 | 34 |
| 29-Aug-12 | ND | ND | ND | ND | 13 | 39 |
| 3-Oct-12 | ND | ND | ND | ND | 13 | 39 |
| 7-Feb-13 | ND | ND | ND | ND | 12.6 | 36.7 |

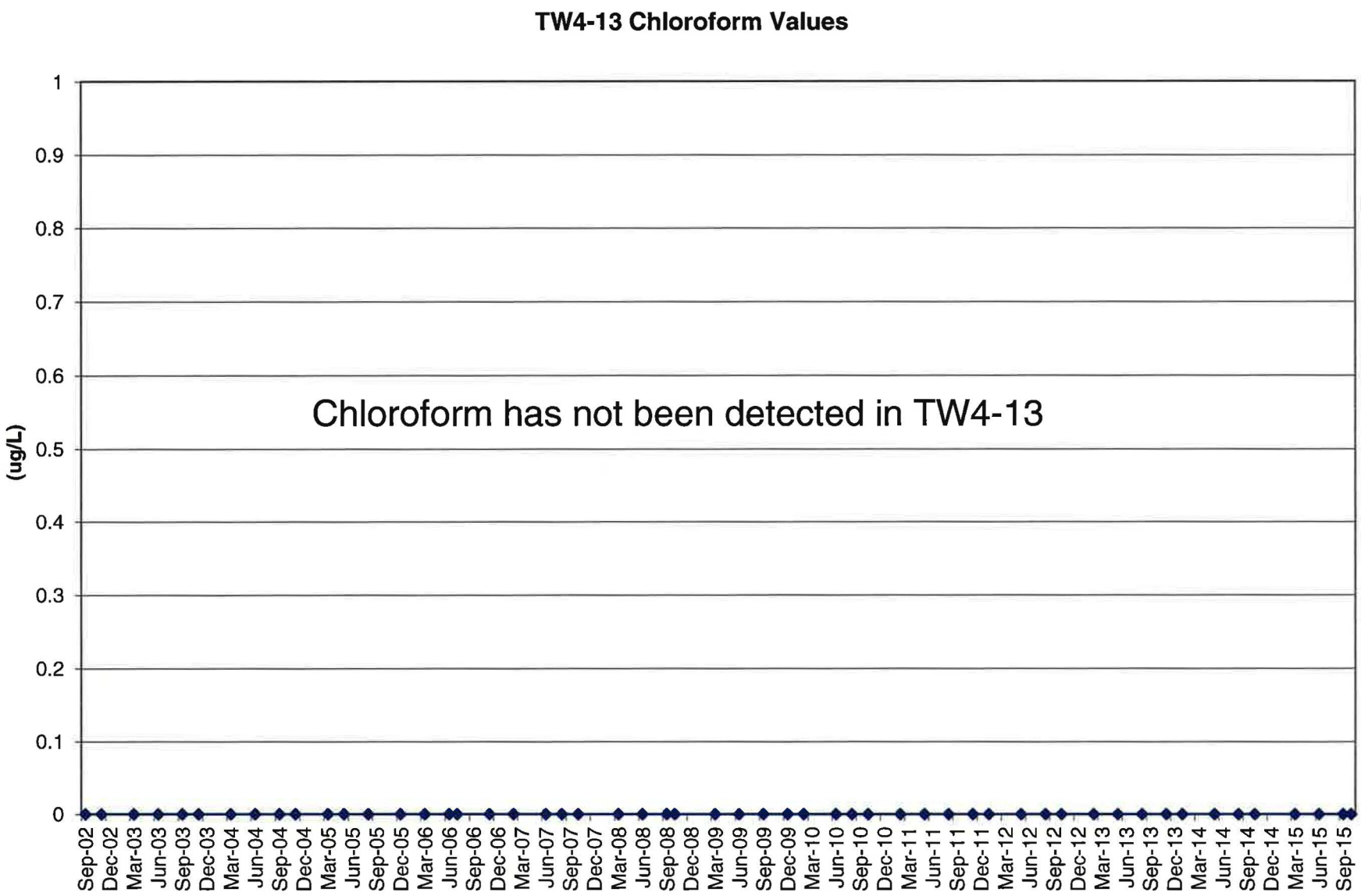
| TW4-12 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 29-May-13 | ND | ND | ND | ND | 14.2 | 38.6 |
| 29-Aug-13 | ND | ND | ND | ND | 17.4 | 41.7 |
| 6-Nov-13 | ND | ND | ND | ND | 16.4 | 41.4 |
| 22-Jan-14 | ND | ND | ND | ND | 18.4 | 41.6 |
| 21-May-14 | ND | ND | ND | ND | 17 | 40.2 |
| 27-Aug-14 | ND | ND | ND | ND | 13 | 47 |
| 23-Oct-14 | ND | ND | ND | ND | 16.1 | 50.2 |
| 11-Mar-15 | ND | ND | ND | ND | 19.2 | 50.6 |
| 10-Jun-15 | ND | ND | ND | ND | 18.8 | 56 |
| 2-Sep-15 | ND | ND | ND | ND | 16.4 | 60.2 |
| 21-Oct-15 | ND | ND | ND | ND | 18 | 51.0 |

## TW4-12 Chloroform Values



| 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 |
| 25-May-11 | ND | ND | ND | ND | 5.4 | 56 |
| 16-Aug-11 | ND | ND | ND | ND | 5.2 | 60 |
| 15-Nov-11 | ND | ND | ND | ND | 5.9 | 54 |
| 17-Jan-12 | ND | ND | ND | ND | 5.5 | 55 |
| 31-May-12 | ND | ND | ND | ND | 6 | 59 |
| 29-Aug-12 | ND | ND | ND | ND | 6.2 | 60 |
| 3-Oct-12 | ND | ND | ND | ND | 5.9 | 60 |
| 7-Feb-13 | ND | ND | ND | ND | 6.31 | 59.3 |
| 29-May-13 | ND | ND | ND | ND | 6.84 | 56 |

| TW4-13 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 29-Aug-13 | ND | ND | ND | ND | 7.16 | 63.5 |
| 6-Nov-13 | ND | ND | ND | ND | 6.48 | 58.5 |
| 22-Jan-14 | ND | ND | ND | ND | 7.09 | 63.1 |
| 21-May-14 | ND | ND | ND | ND | 5.99 | 56.1 |
| 13-Aug-14 | ND | ND | ND | ND | 4.8 | 62 |
| 23-Oct-14 | ND | ND | ND | ND | 6.28 | 66.1 |
| 11-Mar-15 | ND | ND | ND | ND | 7.09 | 66.4 |
| 10-Jun-15 | ND | ND | ND | ND | 6.32 | 70.3 |
| 2-Sep-15 | ND | ND | ND | ND | 5.7 | 76.5 |
| 21-Oct-15 | ND | ND | ND | ND | 5.78 | 65.5 |


TW4-13 Chloroform Values
(ug/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Chloroform has not been detected in TW4-13
Sep-02
Dec-02
Mar-03
Jun-03
Sep-03
Dec-03
Mar-04
Jun-04
Sep-04
Dec-04
Mar-05
Jun-05
Sep-05
Dec-05
Mar-06
Jun-06
Sep-06
Dec-06
Mar-07
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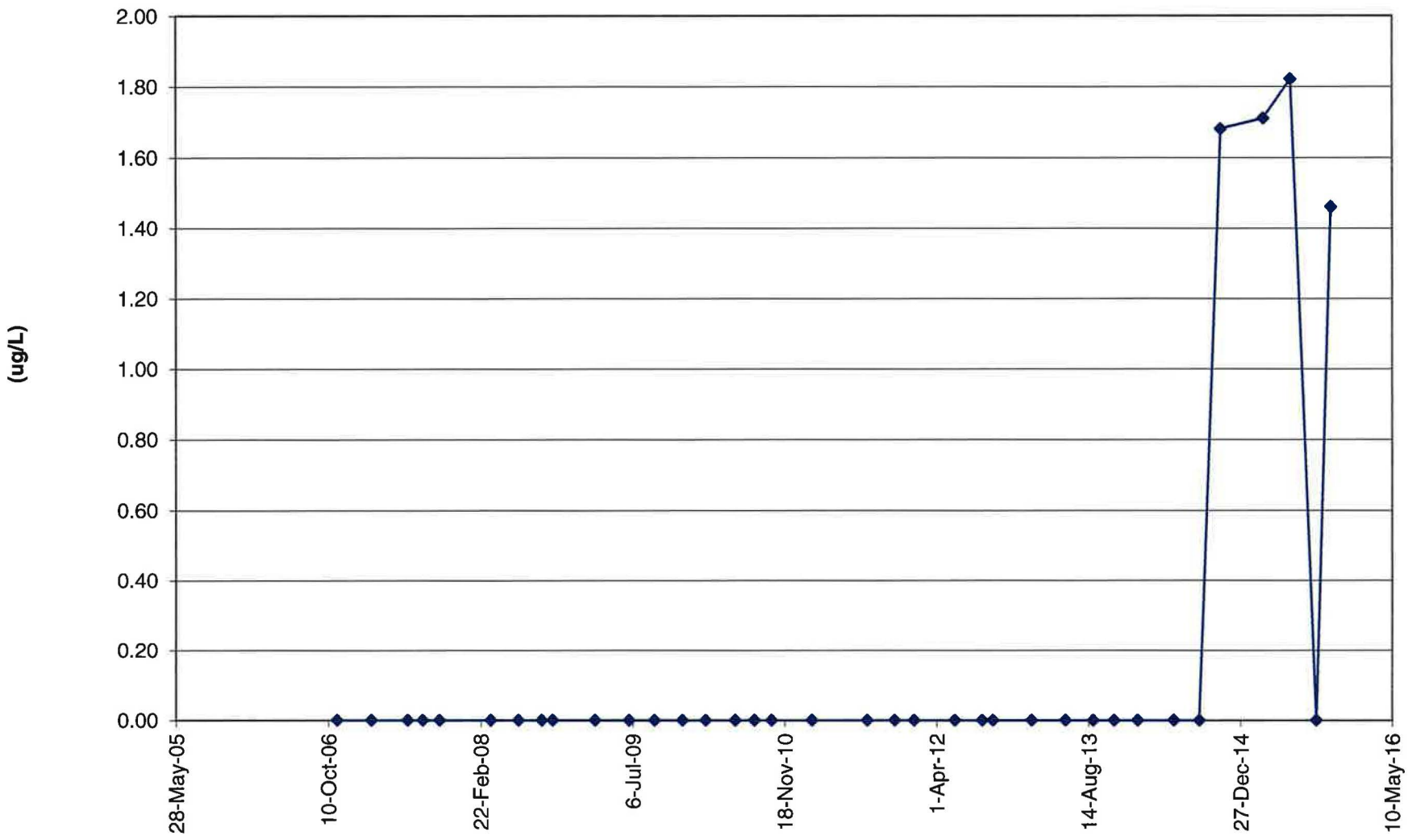
Mar-13
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15

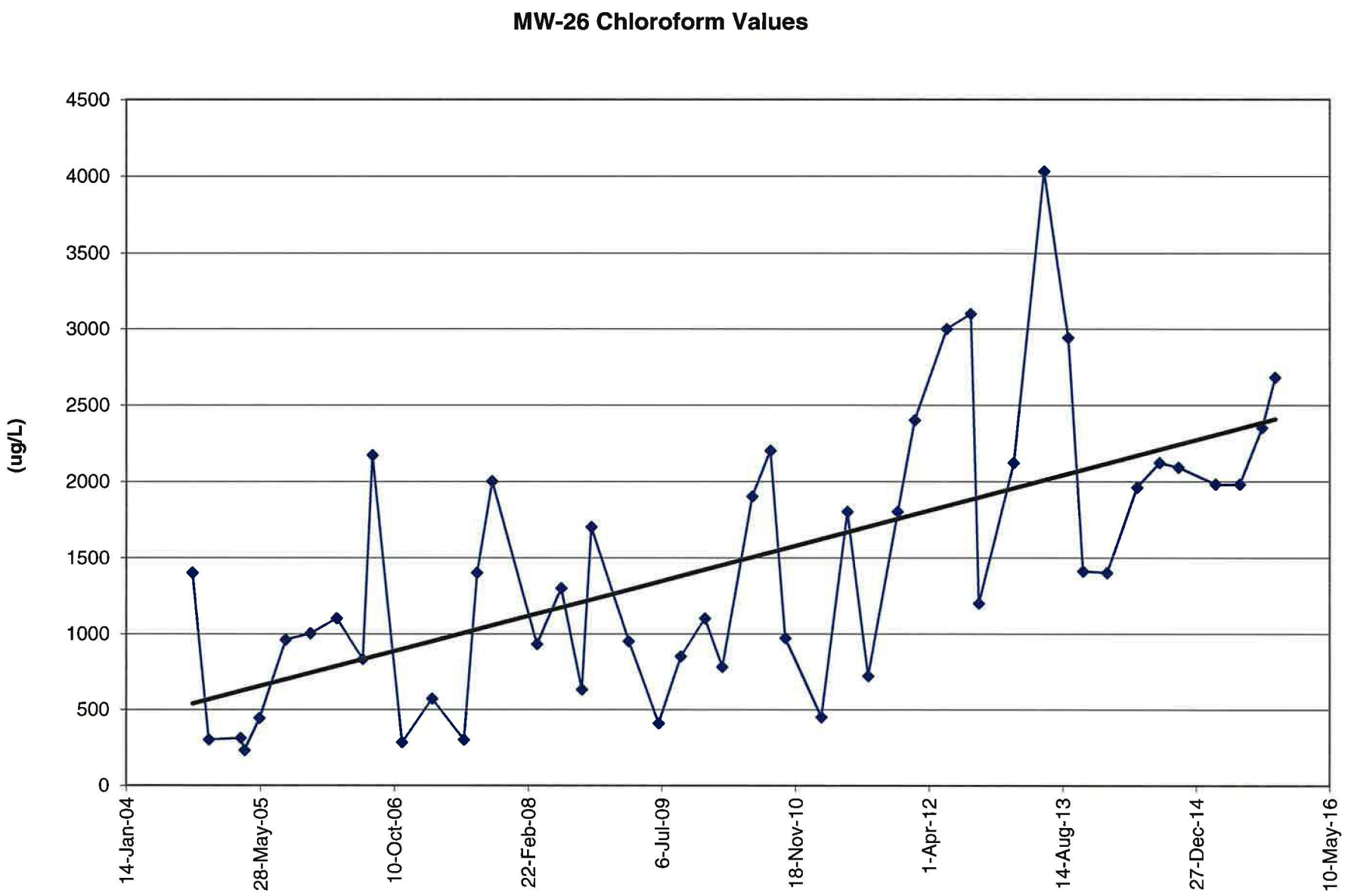
| TW4-14 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 8-Nov-06 | <1 | <1 | <1 | <1 | 2.4 | 37 |
| 28-Feb-07 | <1 | <1 | <1 | <1 | 2.3 | 38 |
| 27-Jun-07 | <1 | <1 | <1 | <1 | 1.4 | 38 |
| 15-Aug-07 | <1 | <1 | <1 | <1 | 1.1 | 36 |
| 10-Oct-07 | <1 | <1 | <1 | <1 | 0.8 | 36 |
| 26-Mar-08 | <1 | <1 | <1 | <1 | 0.04 | 57 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | 1.56 | 35 |
| 10-Sep-08 | <1 | <1 | <1 | <1 | 1.34 | 34 |
| 15-Oct-08 | <1 | <1 | <1 | <1 | 0.76 | 40 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | 1.6 | 35 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | 1.4 | 36 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | 1.5 | 38 |
| 16-Dec-09 | <1 | <1 | <1 | <1 | 1.4 | 34 |
| 3-Mar-10 | <1 | <1 | <1 | <1 | 2.5 | 33 |
| 8-Jun-10 | <1 | <1 | <1 | <1 | 2.9 | 49 |
| 10-Aug-10 | <1 | <1 | <1 | <1 | 2.8 | 35 |
| 6-Oct-10 | <1 | <1 | <1 | <1 | 2.9 | 29 |
| 15-Feb-11 | ND | ND | ND | ND | 1.8 | 25 |
| 16-Aug-11 | ND | ND | ND | ND | 2.6 | 33 |
| 15-Nov-11 | ND | ND | ND | ND | 1.7 | 15 |
| 17-Jan-12 | ND | ND | ND | ND | 1.9 | 20 |
| 31-May-12 | ND | ND | ND | ND | 3.3 | 35 |
| 29-Aug-12 | ND | ND | ND | ND | 3.9 | 37 |
| 3-Oct-12 | ND | ND | ND | ND | 4.2 | 37 |
| 7-Feb-13 | ND | ND | ND | ND | 4.63 | 35.2 |
| 30-May-13 | ND | ND | ND | ND | 4.37 | 38.6 |
| 29-Aug-13 | ND | ND | ND | ND | 4.51 | 37.6 |
| 6-Nov-13 | ND | ND | ND | ND | 4.81 | 36.5 |
| 22-Jan-14 | ND | ND | ND | ND | 5.92 | 35.5 |
| 21-May-14 | ND | ND | ND | ND | 4.87 | 32.5 |
| 13-Aug-14 | ND | ND | ND | ND | 4.1 | 38 |
| 23-Oct-14 | 1.68 | ND | ND | ND | 5.22 | 38.9 |
| 12-Mar-15 | 1.71 | ND | ND | ND | 5.22 | 40.1 |
| 10-Jun-15 | 1.82 | ND | ND | ND | 3.55 | 41.8 |
| 3-Sep-15 | ND | ND | ND | ND | 2.77 | 42.4 |
| 21-Oct-15 | 1.46 | ND | ND | ND | 2.45 | 40.6 |

## TW4-14 Chloroform Values



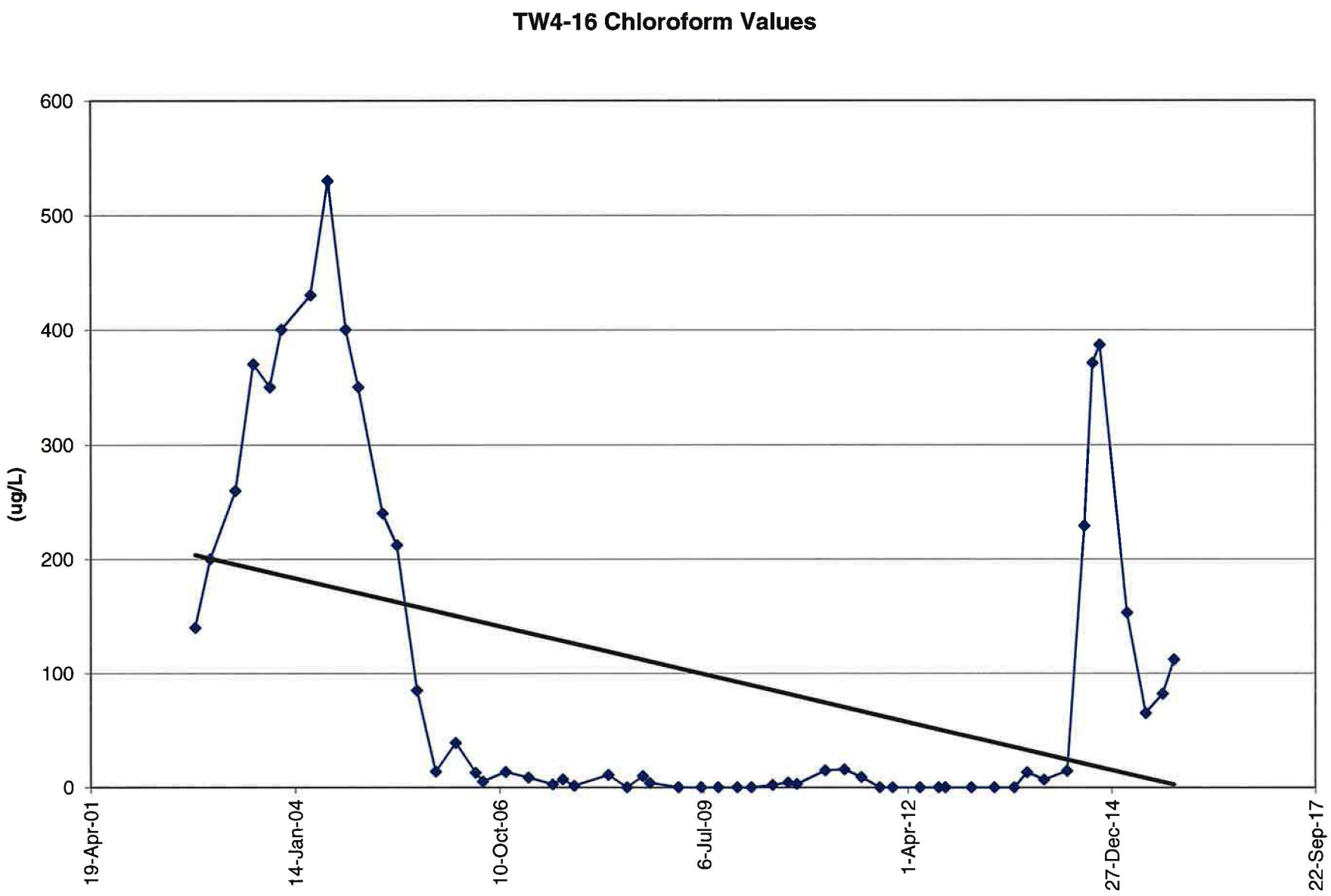
| MW-26 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 3 | | | | ND | |
| 24-Nov-02 | 0 | | | | ND | |
| 28-Mar-03 | 0 | | | | 0.1 | |
| 23-Jun-03 | 7800 | | | | 14.5 | |
| 15-Aug-03 | 7400 | | | | 16.8 | |
| 12-Sep-03 | 2500 | | | | 2.7 | |
| 25-Sep-03 | 2600 | | | | 2.5 | |
| 29-Oct-03 | 3100 | | | | 3.1 | |
| 8-Nov-03 | 3000 | | | | 2.8 | |
| 29-Mar-04 | NA | | | | NA | |
| 22-Jun-04 | NA | | | | NA | |
| 17-Sep-04 | 1400 | | | | 0.53 | |
| 17-Nov-04 | 300 | | | | 0.2 | |
| 16-Mar-05 | 310 | | | | 0.3 | |
| 30-Mar-05 | 230 | | | | 0.2 | |
| 25-May-05 | 442 | NA | NA | NA | 0.2 | NA |
| 31-Aug-05 | 960 | <5 | 5.4 | <5 | 0.2 | NA |
| 1-Dec-05 | 1000 | <50 | <50 | <50 | 0.3 | NA |
| 9-Mar-06 | 1100 | <50 | <50 | <50 | 0.2 | 52 |
| 14-Jun-06 | 830 | <50 | <50 | <50 | 0.2 | 52 |
| 20-Jul-06 | 2170 | <50 | <50 | <50 | 1.4 | 65 |
| 8-Nov-06 | 282 | <1 | <1 | 2.8 | 0.3 | 54 |
| 28-Feb-07 | 570 | <1 | <1 | 5.5 | 0.5 | 56 |
| 27-Jun-07 | 300 | <1 | <1 | 13 | 0.4 | 49 |
| 15-Aug-07 | 1400 | <1 | <1 | 36 | 1 | 57 |
| 10-Oct-07 | 2000 | <1 | <1 | 14 | 0.6 | 57 |
| 26-Mar-08 | 930 | <1 | <1 | 40 | 0.1 | 49 |
| 25-Jun-08 | 1300 | <1 | <1 | 53 | 0.56 | 57 |
| 10-Sep-08 | 630 | <1 | <1 | 24 | 0.24 | 44 |
| 15-Oct-08 | 1700 | <1 | <1 | 100 | 0.65 | 64 |
| 4-Mar-09 | 950 | <1 | <1 | 51 | 0.4 | 49 |
| 24-Jun-09 | 410 | <1 | <1 | 12 | 0.2 | 48 |
| 15-Sep-09 | 850 | <1 | <1 | 30 | 0.1 | 46 |
| 14-Dec-09 | 1100 | <1 | <1 | 40 | 2.3 | 60 |
| 17-Feb-10 | 780 | <1 | <1 | 19 | 0.2 | 57 |
| 9-Jun-10 | 1900 | <1 | <1 | 28 | 1.1 | 58 |
| 16-Aug-10 | 2200 | <1 | <1 | 21 | 0.6 | 49 |
| 11-Oct-10 | 970 | <1 | <1 | 6.5 | 0.7 | 65 |
| 23-Feb-11 | 450 | ND | ND | 3.6 | 0.5 | 57 |
| 31-May-11 | 1800 | ND | ND | 1.3 | 0.4 | 88 |
| 17-Aug-11 | 720 | ND | ND | 7.2 | 0.9 | 58 |
| 5-Dec-11 | 1800 | ND | ND | 2.9 | 2 | 69 |
| 7-Feb-12 | 2400 | ND | ND | 16 | 1.7 | 98 |

| MW-26 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 6-Jun-12 | 3000 | ND | ND | 21 | 2.5 | 73 |
| 4-Sep-12 | 3100 | ND | ND | 31 | 2.6 | 73 |
| 4-Oct-12 | 1200 | ND | ND | 4 | 1.8 | 68 |
| 11-Feb-13 | 2120 | ND | ND | 9.34 | 2.27 | 81.9 |
| 5-Jun-13 | 4030 | ND | ND | 52.4 | 2.11 | 77.9 |
| 3-Sep-13 | 2940 | ND | ND | 33.2 | 1.18 | 60.5 |
| 29-Oct-13 | 1410 | ND | ND | 4.03 | 1.38 | 72.3 |
| 27-Jan-14 | 1400 | ND | ND | 13.8 | 0.549 | 59.4 |
| 19-May-14 | 1960 | ND | ND | 15.4 | 0.928 | 53.4 |
| 11-Aug-14 | 2120 | ND | 8.7 | 26 | 0.7 | 59 |
| 21-Oct-14 | 2090 | ND | ND | 23.2 | 0.934 | 60.1 |
| 9-Mar-15 | 1980 | ND | ND | 27.4 | 0.732 | 56.5 |
| 8-Jun-15 | 1980 | ND | ND | 11.2 | 0.419 | 62 |
| 31-Aug-15 | 2350 | ND | 4.05 | 11.6 | 0.684 | 69.6 |
| 19-Oct-15 | 2680 | ND | 1.32 | 8.28 | 0.991 | 62.6 |


MW-26 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

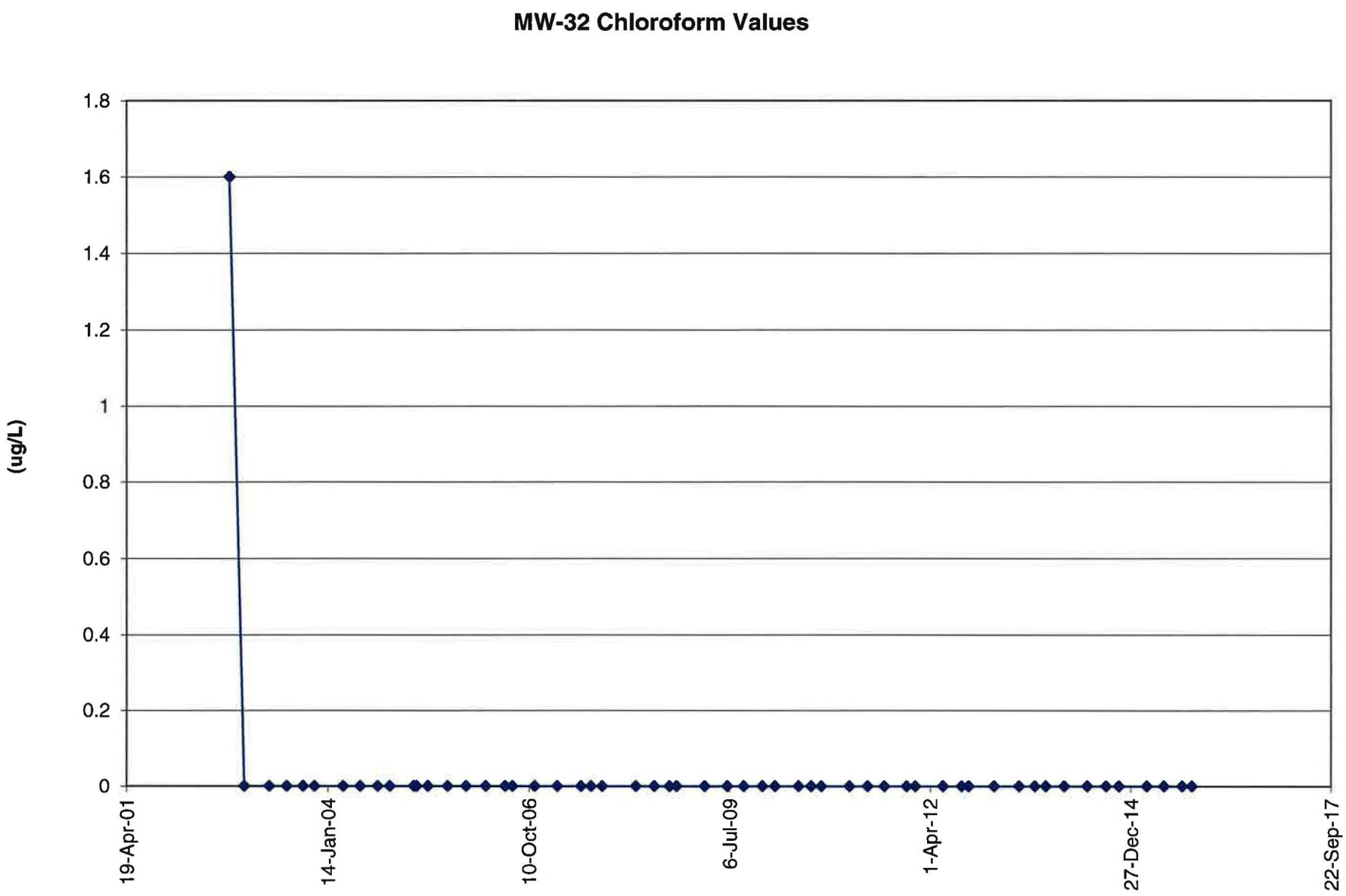
| TW4-16 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 140 | | | | ND | |
| 24-Nov-02 | 200 | | | | ND | |
| 28-Mar-03 | 260 | | | | ND | |
| 23-Jun-03 | 370 | | | | ND | |
| 12-Sep-03 | 350 | | | | ND | |
| 8-Nov-03 | 400 | | | | ND | |
| 29-Mar-04 | 430 | | | | ND | |
| 22-Jun-04 | 530 | | | | ND | |
| 17-Sep-04 | 400 | | | | ND | |
| 17-Nov-04 | 350 | | | | ND | |
| 16-Mar-05 | 240 | | | | ND | |
| 25-May-05 | 212 | NA | NA | NA | <0.1 | NA |
| 31-Aug-05 | 85 | <1 | 3.2 | 43 | <0.1 | NA |
| 1-Dec-05 | 14 | <2.5 | 2.6 | 5.9 | 1.4 | NA |
| 9-Mar-06 | 39.0 | <1 | 1.1 | 21 | 3 | 60 |
| 14-Jun-06 | 13.0 | <1 | 2.4 | 8.9 | 1.9 | 55 |
| 20-Jul-06 | 5.2 | <1 | <1 | 2.7 | 2.7 | 60 |
| 8-Nov-06 | 13.6 | <1 | <1 | 9.2 | 5.6 | 62 |
| 28-Feb-07 | 8.7 | <1 | <1 | 6.5 | 12.3 | 79 |
| 27-Jun-07 | 2.6 | <1 | <1 | 1.8 | 9.9 | 75 |
| 15-Aug-07 | 7.1 | <1 | <1 | 5.1 | 5.4 | 66 |
| 10-Oct-07 | 1.4 | <1 | <1 | <1 | 4.4 | 69 |
| 26-Mar-08 | 11.0 | <1 | <1 | 26 | ND | 52 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | 1.46 | 58 |
| 10-Sep-08 | 10 | <1 | <1 | 14 | 10.5 | 71 |
| 15-Oct-08 | 3.9 | <1 | <1 | 6.6 | 9.82 | 89 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | 9.6 | 78 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | 8.9 | 76 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | 8.8 | 79 |
| 17-Dec-09 | <1 | <1 | <1 | <1 | 5.2 | 76 |
| 24-Feb-10 | <1 | <1 | <1 | <1 | 4.2 | 77 |
| 9-Jun-10 | 2.1 | <1 | <1 | <1 | 4.7 | 64 |
| 24-Aug-10 | 4.3 | <1 | <1 | <1 | 4.6 | 72 |
| 6-Oct-10 | 3.0 | <1 | <1 | <1 | 3.3 | 72 |
| 22-Feb-11 | 15.0 | ND | ND | ND | 7 | 86 |
| 26-May-11 | 16.0 | ND | ND | ND | 5 | 81 |
| 17-Aug-11 | 9.2 | ND | ND | ND | 1.7 | 63 |
| 16-Nov-11 | ND | ND | ND | 1.4 | 0.4 | 38 |
| 18-Jan-12 | ND | ND | ND | 1.7 | 0.1 | 48 |
| 31-May-12 | ND | ND | ND | ND | ND | 53 |
| 30-Aug-12 | ND | ND | ND | ND | ND | 59 |
| 3-Oct-12 | ND | ND | ND | 3 | ND | 53 |
| 7-Feb-13 | ND | ND | ND | 3 | ND | 58.1 |

| TW4-16 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 30-May-13 | ND | ND | ND | 4.21 | ND | 49.8 |
| 5-Sep-13 | ND | ND | ND | ND | ND | 54.4 |
| 7-Nov-13 | 13.4 | ND | ND | ND | 1.37 | 56.6 |
| 29-Jan-14 | 6.9 | ND | ND | ND | 3.16 | 66.8 |
| 22-May-14 | 14.6 | ND | ND | ND | 4.94 | 80.7 |
| 14-Aug-14 | 229.0 | ND | ND | ND | 5.1 | 80 |
| 24-Sep-14 | 371.0 | ND | ND | ND | N/A | N/A |
| 29-Oct-14 | 387.0 | ND | ND | ND | 8.40 | 92.1 |
| 12-Mar-15 | 153.0 | ND | ND | ND | 4.30 | 65.3 |
| 11-Jun-15 | 65.3 | ND | ND | ND | 1.06 | 61 |
| 3-Sep-15 | 82.0 | ND | ND | ND | 1.18 | 65.8 |
| 28-Oct-15 | 112.0 | ND | ND | ND | 1.69 | 58.3 |


TW4-16 Chloroform Values
(ug/L)
600
500
400
300
200
100
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

| MW-32 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 1.6 | | | | ND | |
| 24-Nov-02 | ND | | | | ND | |
| 28-Mar-03 | ND | | | | ND | |
| 23-Jun-03 | ND | | | | ND | |
| 12-Sep-03 | ND | | | | ND | |
| 8-Nov-03 | ND | | | | ND | |
| 29-Mar-04 | ND | | | | ND | |
| 22-Jun-04 | ND | | | | ND | |
| 17-Sep-04 | ND | | | | ND | |
| 17-Nov-04 | ND | | | | ND | |
| 16-Mar-05 | ND | | | | ND | |
| 30-Mar-05 | ND | | | | ND | |
| 25-May-05 | <1 | NA | NA | NA | <0.1 | NA |
| 31-Aug-05 | <1 | <1 | 3.2 | <1 | <0.1 | NA |
| 1-Dec-05 | <1 | <1 | <1 | <1 | <0.1 | NA |
| 9-Mar-06 | <1 | <1 | <1 | <1 | <0.1 | 32 |
| 14-Jun-06 | <1 | <1 | 3.5 | <1 | <0.1 | 30 |
| 20-Jul-06 | <1 | <1 | 1.8 | <1 | <0.1 | 32 |
| 8-Nov-06 | <1 | <1 | 1.5 | <1 | <0.1 | 31 |
| 28-Feb-07 | <1 | <1 | <1 | <1 | <0.1 | 32 |
| 27-Jun-07 | <1 | <1 | <1 | <1 | <0.1 | 32 |
| 15-Aug-07 | <1 | <1 | <1 | <1 | <0.1 | 31 |
| 10-Oct-07 | <1 | <1 | <1 | <1 | <0.1 | 32 |
| 26-Mar-08 | <1 | <1 | <1 | <1 | <0.1 | 31 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | <0.05 | 29 |
| 10-Sep-08 | <1 | <1 | <1 | <1 | <0.05 | 30 |
| 15-Oct-08 | <1 | <1 | <1 | <1 | <0.05 | 26 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | <0.1 | 30 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | <0.1 | 31 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | <0.1 | 33 |
| 16-Dec-09 | <1 | <1 | <1 | <1 | <0.1 | 34 |
| 17-Feb-10 | <1 | <1 | <1 | <1 | <0.1 | 38 |
| 14-Jun-10 | <1 | <1 | <1 | <1 | <0.1 | 32 |
| 16-Aug-10 | <1 | <1 | <1 | <1 | <0.1 | 28 |
| 6-Oct-10 | <1 | <1 | <1 | <1 | <0.1 | 24 |
| 23-Feb-11 | ND | ND | ND | ND | ND | 40 |
| 25-May-11 | ND | ND | ND | ND | ND | 31 |
| 16-Aug-11 | ND | ND | ND | ND | ND | 33 |
| 6-Dec-11 | ND | ND | ND | ND | ND | 32 |
| 18-Jan-12 | ND | ND | ND | ND | ND | 21 |
| 4-Jun-12 | ND | ND | ND | ND | ND | 32 |
| 5-Sep-12 | ND | ND | ND | ND | ND | 33 |
| 10-Oct-12 | ND | ND | ND | ND | ND | 35 |

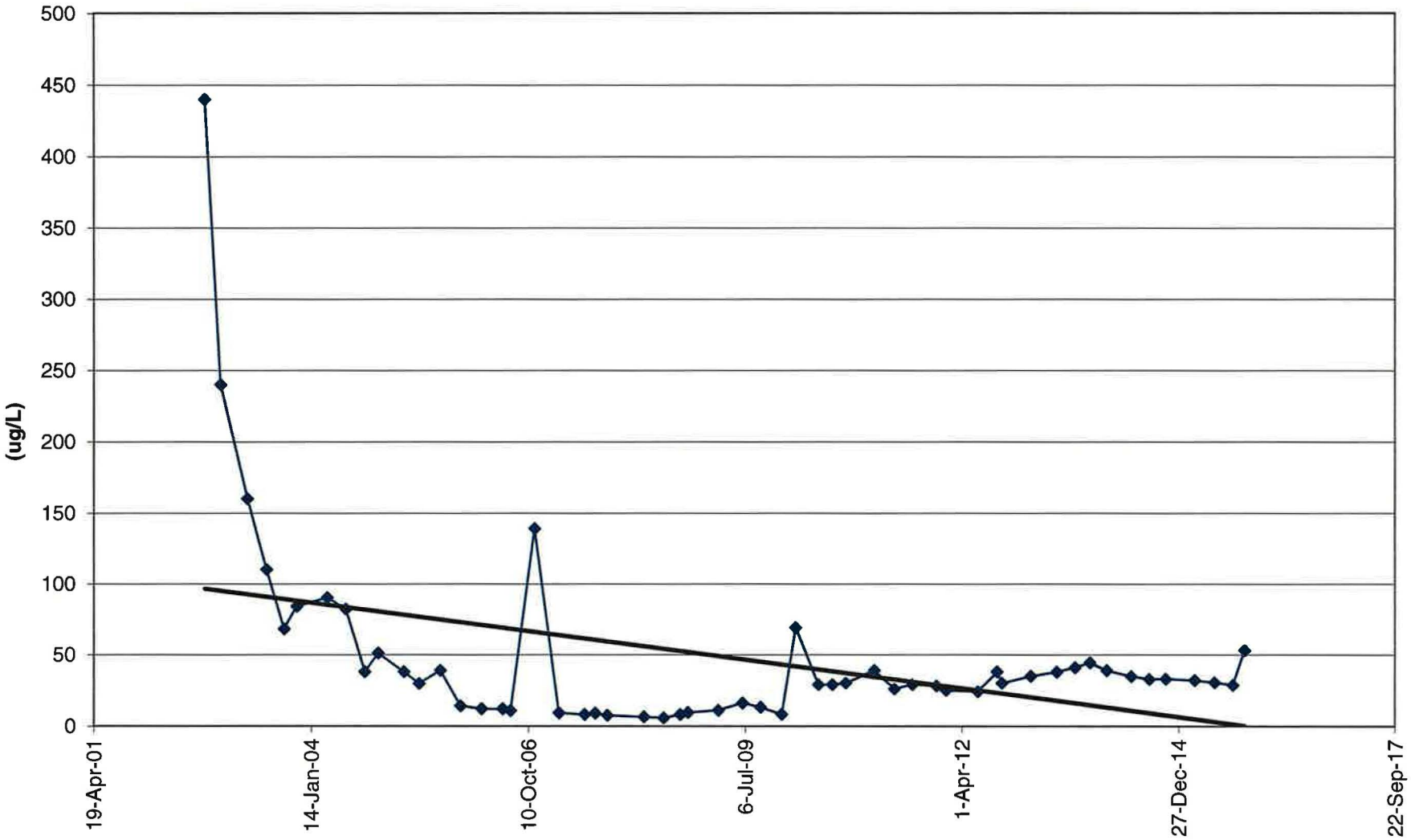
| MW-32 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 13-Feb-13 | ND | ND | ND | ND | ND | 34.3 |
| 18-Jun-13 | ND | ND | ND | ND | ND | 34.9 |
| 4-Sep-13 | ND | ND | ND | ND | ND | 33 |
| 29-Oct-13 | ND | ND | ND | ND | ND | 35.7 |
| 29-Jan-14 | ND | ND | ND | ND | ND | 34 |
| 23-May-14 | ND | ND | ND | ND | ND | 39.7 |
| 26-Aug-14 | ND | ND | ND | ND | ND | 34 |
| 29-Oct-14 | ND | ND | ND | ND | ND | 34.9 |
| 17-Mar-15 | ND | ND | ND | ND | ND | 36.3 |
| 11-Jun-15 | ND | ND | ND | ND | ND | 35.8 |
| 9-Sep-15 | ND | ND | ND | ND | ND | 37.7 |
| 28-Oct-15 | ND | ND | ND | ND | ND | 34.7 |


MW-32 Chloroform Values
(ug/L)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17

| TW4-18 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 440 | | | | 1.49 | |
| 24-Nov-02 | 240 | | | | 13.3 | |
| 28-Mar-03 | 160 | | | | 13.1 | |
| 23-Jun-03 | 110 | | | | 19 | |
| 12-Sep-03 | 68.0 | | | | 19.9 | |
| 9-Nov-03 | 84.0 | | | | 20.7 | |
| 29-Mar-04 | 90.0 | | | | 14 | |
| 22-Jun-04 | 82.0 | | | | 12.2 | |
| 17-Sep-04 | 38.0 | | | | 14.5 | |
| 17-Nov-04 | 51.0 | | | | 17.3 | |
| 16-Mar-05 | 38.0 | | | | 14.1 | |
| 25-May-05 | 29.8 | NA | NA | NA | 12.9 | NA |
| 31-Aug-05 | 39 | <1 | 2.8 | <1 | 13.3 | NA |
| 1-Dec-05 | 14 | <1 | 1.1 | <1 | 7.3 | NA |
| 9-Mar-06 | 12.0 | <1 | 1.1 | <1 | 5.9 | 5.9 |
| 14-Jun-06 | 12.0 | <1 | 1.6 | <1 | 4.7 | 35 |
| 20-Jul-06 | 10.8 | <1 | 2.7 | <1 | 6.1 | 35 |
| 8-Nov-06 | 139 | <1 | <1 | <1 | 8.7 | 34 |
| 28-Feb-07 | 9.2 | <1 | <1 | <1 | 5.1 | 30 |
| 27-Jun-07 | 8.0 | <1 | <1 | <1 | 4.9 | 28 |
| 15-Aug-07 | 8.9 | <1 | <1 | <1 | 5 | 32 |
| 10-Oct-07 | 7.4 | <1 | <1 | <1 | 4.4 | 27 |
| 26-Mar-08 | 6.4 | <1 | <1 | <1 | 0.7 | 23 |
| 25-Jun-08 | 5.7 | <1 | <1 | <1 | 4.55 | 23 |
| 10-Sep-08 | 8.0 | <1 | <1 | <1 | 4.68 | 26 |
| 15-Oct-08 | 9.4 | <1 | <1 | <1 | 5,15 | 30 |
| 4-Mar-09 | 11.0 | <1 | <1 | <1 | 5.2 | 29 |
| 24-Jun-09 | 16.0 | <1 | <1 | <1 | 6.2 | 30 |
| 15-Sep-09 | 13.0 | <1 | <1 | <1 | 5.9 | 26 |
| 22-Dec-09 | 8.2 | <1 | <1 | <1 | 5.4 | 30 |
| 24-Feb-10 | 69.0 | <1 | <1 | <1 | 5.1 | 41 |
| 9-Jun-10 | 29.0 | <1 | <1 | <1 | 9 | 35 |
| 12-Aug-10 | 29.0 | <1 | <1 | <1 | 9 | 37 |
| 13-Oct-10 | 30.0 | <1 | <1 | <1 | 10 | 50 |
| 22-Feb-11 | 39.0 | ND | ND | ND | 10 | 52 |
| 26-May-11 | 26.0 | ND | ND | ND | 9 | 36 |
| 17-Aug-11 | 29.0 | ND | ND | ND | 4.6 | 23 |
| 7-Dec-11 | 28.0 | ND | ND | ND | 6.3 | 23 |
| 19-Jan-12 | 25.0 | ND | ND | ND | 4.4 | 18 |
| 13-Jun-12 | 24.0 | ND | ND | ND | 6.6 | 30 |
| 11-Sep-12 | 38.0 | ND | ND | ND | 6.6 | 26 |
| 3-Oct-12 | 30.0 | ND | ND | ND | 6 | 27 |
| 13-Feb-13 | 34.9 | ND | ND | ND | 5.58 | 23.1 |

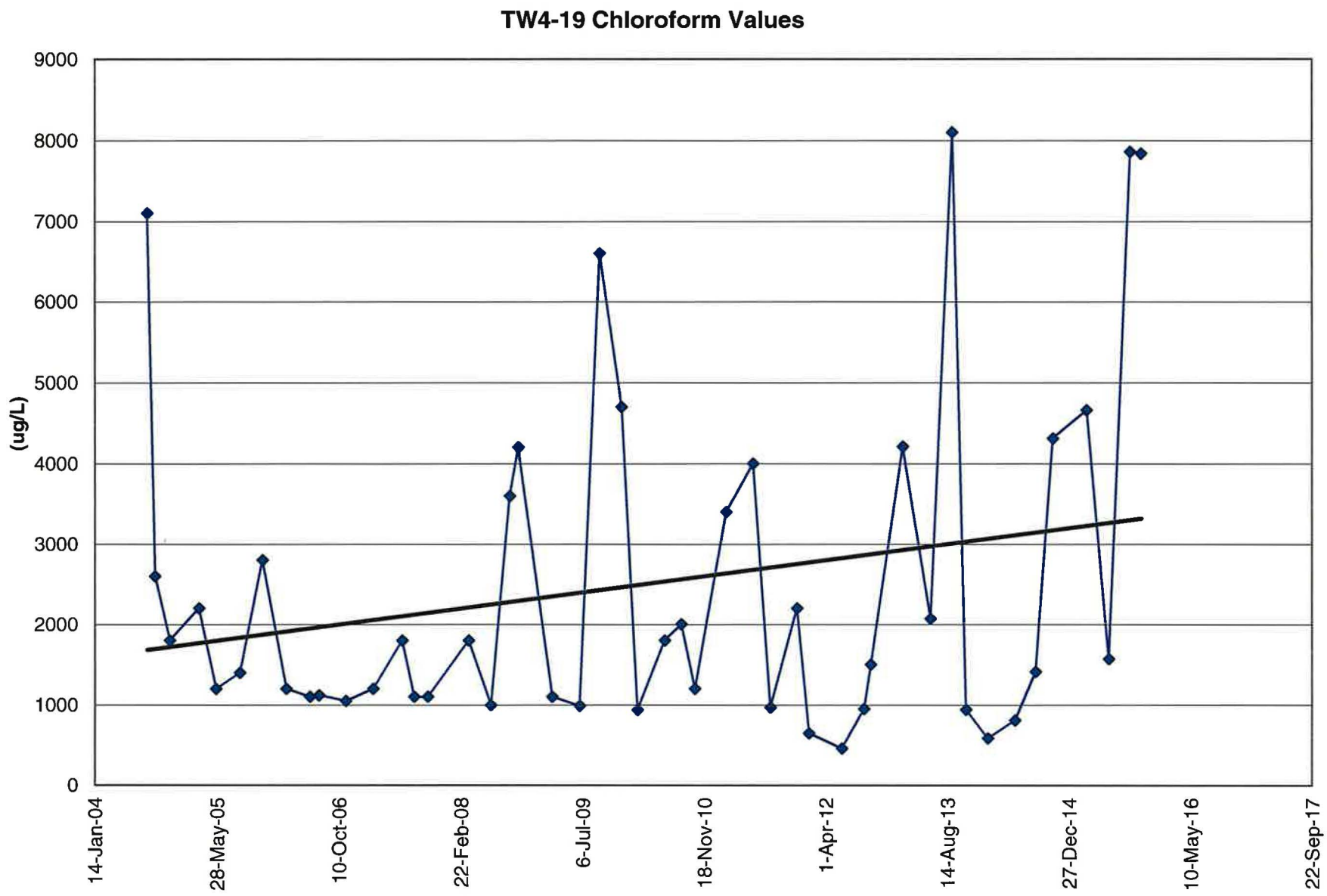
| TW4-18 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 13-Jun-13 | 37.9 | ND | ND | ND | 8.86 | 22.9 |
| 5-Sep-13 | 41.0 | ND | ND | ND | 12.1 | 36.2 |
| 13-Nov-13 | 44.3 | ND | ND | ND | 14.2 | 37.1 |
| 30-Jan-14 | 38.9 | ND | ND | ND | 12.8 | 40.9 |
| 22-May-14 | 34.8 | ND | ND | ND | 12.2 | 47 |
| 14-Aug-14 | 32.8 | ND | ND | ND | 9.8 | 49 |
| 28-Oct-14 | 33.0 | ND | ND | ND | 11.1 | 40.8 |
| 12-Mar-15 | 32.0 | ND | ND | ND | 11.7 | 41.6 |
| 11-Jun-15 | 30.5 | ND | ND | ND | 9.69 | 43.5 |
| 3-Sep-15 | 28.7 | ND | ND | ND | 15.7 | 47.6 |
| 28-Oct-15 | 52.9 | ND | ND | ND | 6.24 | 39.4 |

## TW4-18 Chloroform Values

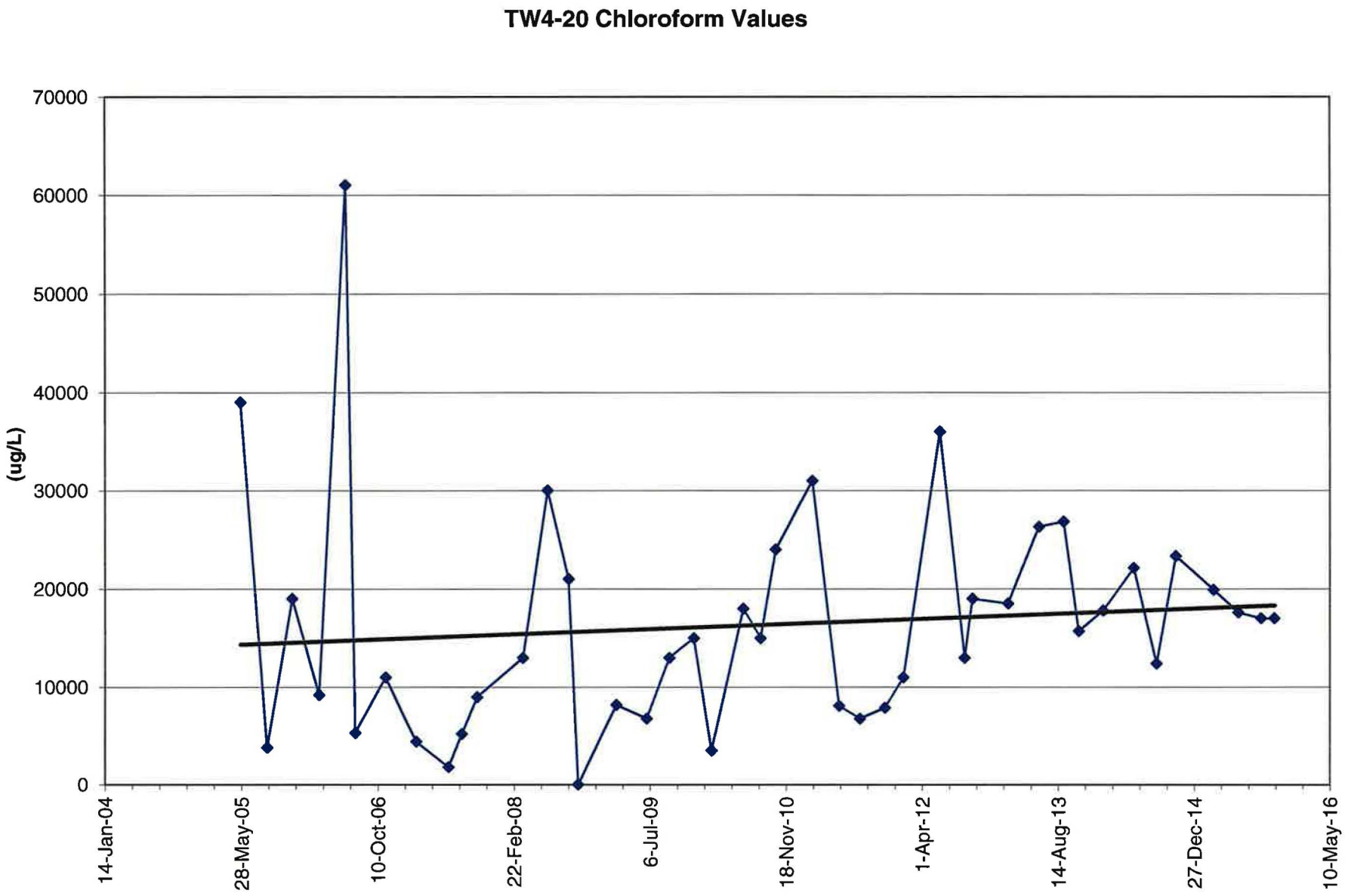


| TW4-19 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 12-Sep-02 | 7700 | | | | 47.6 | |
| 24-Nov-02 | 5400 | | | | 42 | |
| 28-Mar-03 | 4200 | | | | 61.4 | |
| 15-May-03 | 4700 | | | | NA | |
| 23-Jun-03 | 4500 | | | | 11.4 | |
| 15-Jul-03 | 2400 | | | | 6.8 | |
| 15-Aug-03 | 2600 | | | | 4 | |
| 12-Sep-03 | 2500 | | | | 5.7 | |
| 25-Sep-03 | 4600 | | | | 9.2 | |
| 29-Oct-03 | 4600 | | | | 7.7 | |
| 9-Nov-03 | 2600 | | | | 4.8 | |
| 29-Mar-04 | NA | | | | NA | |
| 22-Jun-04 | NA | | | | NA | |
| 16-Aug-04 | 7100 | | | | 9.91 | |
| 17-Sep-04 | 2600 | | | | 4.5 | |
| 17-Nov-04 | 1800 | | | | 3.6 | |
| 16-Mar-05 | 2200 | | | | 5.3 | |
| 25-May-05 | 1200 | | | | 5.7 | |
| 31-Aug-05 | 1400 | <5 | <5 | <5 | 4.6 | NA |
| 1-Dec-05 | 2800 | <50 | <50 | <50 | <0.1 | NA |
| 9-Mar-06 | 1200 | <50 | <50 | <50 | 4 | 86 |
| 14-Jun-06 | 1100 | <50 | <50 | <50 | 5.2 | 116 |
| 20-Jul-06 | 1120 | <50 | <50 | <50 | 4.3 | 123 |
| 8-Nov-06 | 1050 | 1.6 | 2.6 | <1 | 4.6 | 134 |
| 28-Feb-07 | 1200 | 1.3 | <1 | <1 | 4 | 133 |
| 27-Jun-07 | 1800 | | | | 2.3 | |
| 15-Aug-07 | 1100 | 1.9 | <1 | <1 | 4.1 | 129 |
| 10-Oct-07 | 1100 | 1.9 | <1 | <1 | 4 | 132 |
| 26-Mar-08 | 1800 | 2.9 | <1 | <1 | 2.2 | 131 |
| 25-Jun-08 | 1000 | 1 | <1 | <1 | 2.81 | 128 |
| 10-Sep-08 | 3600 | 8.6 | <1 | <1 | 36.2 | 113 |
| 15-Oct-08 | 4200 | 12 | <1 | <1 | 47.8 | 124 |
| 4-Mar-09 | 1100 | 1.2 | <1 | <1 | 3.2 | 127 |
| 24-Jun-09 | 990 | 1.2 | <1 | <1 | 2.4 | 132 |
| 15-Sep-09 | 6600 | 15 | <1 | <1 | 0.1 | 43 |
| 14-Dec-09 | 4700 | 16 | <1 | <1 | 26.7 | 124 |
| 17-Feb-10 | 940 | 1.3 | <1 | <1 | 2 | 144 |
| 9-Jun-10 | 1800 | 4.2 | <1 | <1 | 4.4 | 132 |
| 16-Aug-10 | 2000 | 4.9 | <1 | <1 | 5.9 | 142 |
| 11-Oct-10 | 1200 | 1.3 | <1 | <1 | 2.7 | 146 |
| 17-Feb-11 | 3400 | 17 | ND | ND | 17 | 135 |
| 7-Jun-11 | 4000 | 8.3 | ND | ND | 12 | 148 |
| 17-Aug-11 | 970 | 2.1 | ND | ND | 3 | 148 |

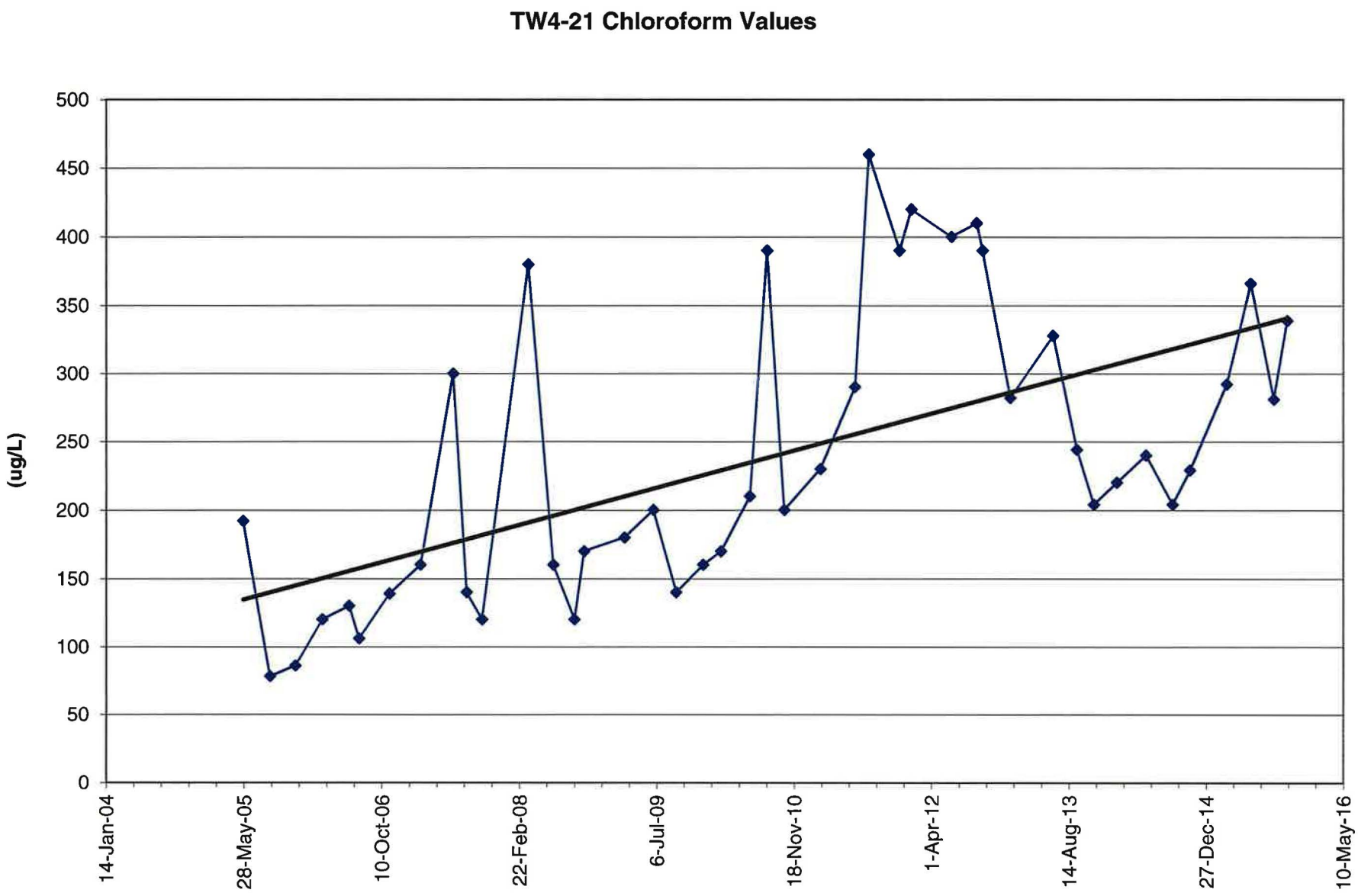
| TW4-19 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 5-Dec-11 | 2200 | 5.4 | ND | ND | 5 | 148 |
| 23-Jan-12 | 650 | 1.5 | ND | ND | 0.6 | 138 |
| 6-Jun-12 | 460 | 1.1 | ND | ND | 2.4 | 149 |
| 5-Sep-12 | 950 | 3.5 | ND | ND | 2.5 | 149 |
| 3-Oct-12 | 1500 | 4 | ND | ND | 4.1 | 150 |
| 11-Feb-13 | 4210 | 5.15 | ND | ND | 7.99 | 164 |
| 5-Jun-13 | 2070 | 5.15 | ND | ND | 2.95 | 148 |
| 3-Sep-13 | 8100 | 20.7 | ND | ND | 17.6 | 179 |
| 29-Oct-13 | 942 | 6.42 | ND | ND | 4.7 | 134 |
| 27-Jan-14 | 586 | 4.05 | ND | ND | 1.62 | 134 |
| 19-May-14 | 810 | 5.51 | ND | ND | 1.34 | 152 |
| 11-Aug-14 | 1410 | 1.9 | 8.3 | ND | 1.6 | 140 |
| 21-Oct-14 | 4310 | 4.8 | ND | ND | 4.72 | 130 |
| 9-Mar-15 | 4660 | 8.92 | ND | ND | 8.56 | 238 |
| 8-Jun-15 | 1570 | 2.62 | ND | ND | 0.916 | 180 |
| 4-Sep-15 | 7860 | 7.78 | ND | ND | 11.6 | 326 |
| 19-Oct-15 | 7840 | 12.2 | 5.46 | ND | 10.6 | 252 |


TW4-19 Chloroform Values
(ug/L)
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16
22-Sep-17

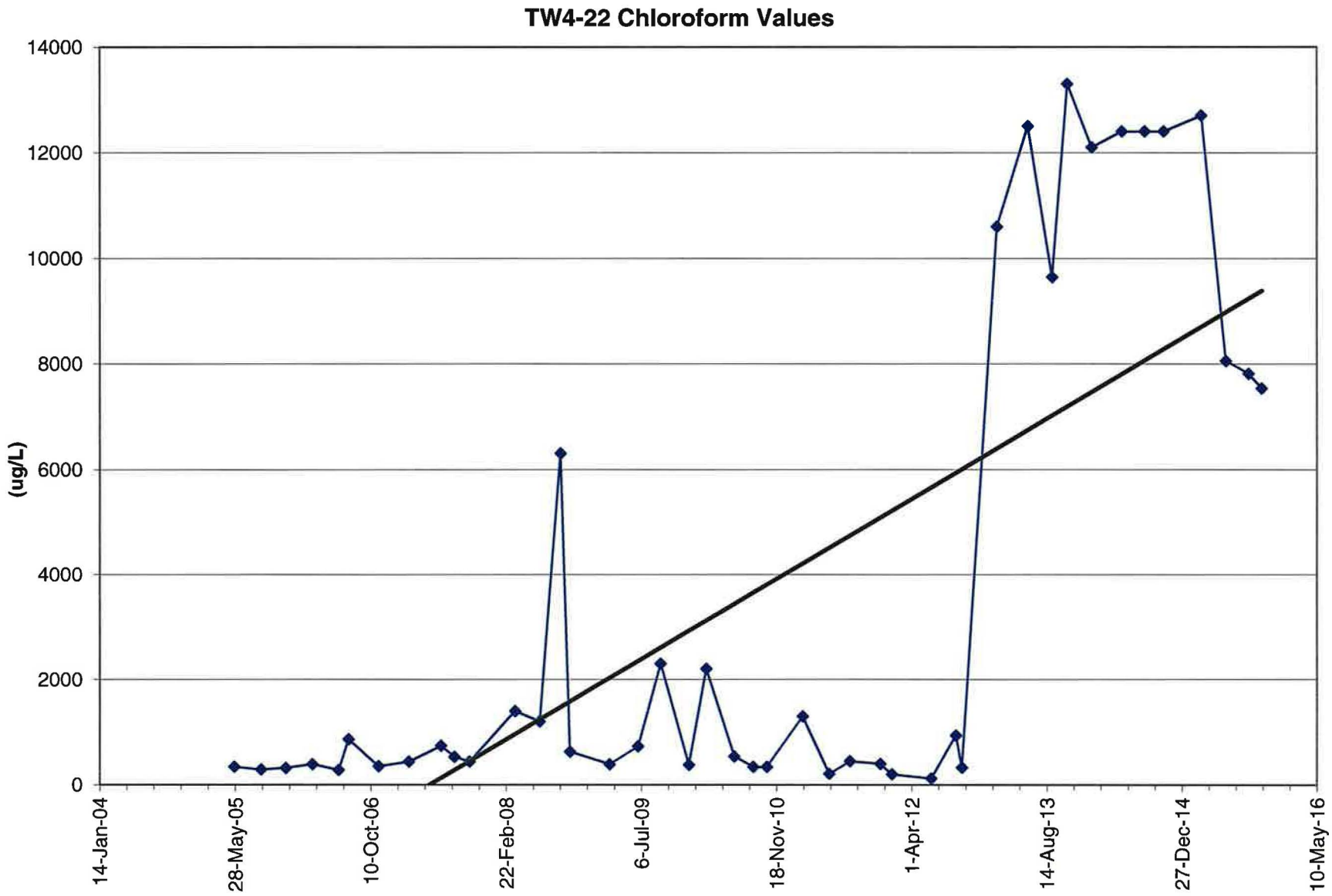
| TW4-20 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 25-May-05 | 39000 | NA | NA | NA | 10.1 | NA |
| 31-Aug-05 | 3800 | <10 | <10 | <10 | 2.9 | NA |
| 1-Dec-05 | 19000 | <250 | <250 | <250 | 1.8 | NA |
| 9-Mar-06 | 9200 | <500 | <500 | <500 | 3.8 | 120 |
| 14-Jun-06 | 61000 | <500 | <500 | <500 | 9.4 | 235 |
| 20-Jul-06 | 5300 | <1000 | <1000 | <1000 | 2.9 | 134 |
| 8-Nov-06 | 11000 | 7.1 | 1.9 | 2.2 | 3.5 | 124 |
| 28-Feb-07 | 4400 | 3.1 | <1 | 1.1 | 4.2 | 124 |
| 27-Jun-07 | 1800 | 2.2 | <1 | <1 | 2.3 | 112 |
| 15-Aug-07 | 5200 | 3.5 | <1 | 1.8 | 2.1 | 117 |
| 10-Oct-07 | 9000 | 6.8 | <1 | 1.9 | 5.6 | 170 |
| 26-Mar-08 | 13000 | 9 | <1 | 1.5 | 0.9 | 132 |
| 25-Jun-08 | 30000 | 13 | <1 | 1.2 | 7.96 | 191 |
| 10-Sep-08 | 21000 | 15 | <1 | 3.7 | 4.44 | 156 |
| 15-Oct-08 | NA | NA | NA | NA | 5.51 | 166 |
| 4-Mar-09 | 8200 | 5.7 | <1 | 5.2 | 5.1 | 164 |
| 24-Jun-09 | 6800 | 4.9 | <2 | 4.2 | 2.9 | 164 |
| 15-Sep-09 | 13000 | 8.4 | <2 | 4.4 | 3.3 | 153 |
| 14-Dec-09 | 15000 | 14 | <1 | 3 | 5.3 | 187 |
| 17-Feb-10 | 3500 | 2.7 | <1 | 3.2 | 2 | 179 |
| 14-Jun-10 | 18000 | 11 | <1 | 3.7 | 5.6 | 200 |
| 16-Aug-10 | 15000 | 12 | <1 | 2.2 | 5.3 | 196 |
| 11-Oct-10 | 24000 | 20 | <1 | 5.5 | 4.6 | 203 |
| 23-Feb-11 | 31000 | 27 | ND | 19 | 4.4 | 220 |
| 1-Jun-11 | 8100 | 10 | ND | 2.1 | 4.8 | 177 |
| 17-Aug-11 | 6800 | 7.3 | ND | 3.1 | 6.5 | 207 |
| 16-Nov-11 | 7900 | 7.2 | ND | 2.5 | 4.2 | 186 |
| 23-Jan-12 | 11000 | 10 | ND | 1.3 | 7.9 | 207 |
| 6-Jun-12 | 36000 | 33 | ND | ND | 11 | 262 |
| 4-Sep-12 | 13000 | 26 | ND | ND | 10.8 | 289 |
| 3-Oct-12 | 19000 | 22 | ND | ND | 11 | 302 |
| 11-Feb-13 | 18500 | 19.6 | ND | 1.21 | 9.07 | 252 |
| 5-Jun-13 | 26300 | 32.5 | ND | 1.13 | 9.76 | 250 |
| 3-Sep-13 | 26800 | 25.7 | ND | 2.14 | 8.65 | 260 |
| 29-Oct-13 | 15700 | 17.3 | ND | 1.37 | 9.64 | 272 |
| 27-Jan-14 | 17800 | 18.4 | ND | 2.04 | 7.56 | 254 |
| 19-May-14 | 22100 | 22.1 | 2.31 | 3.98 | 5.95 | 269 |
| 11-Aug-14 | 12400 | 14.1 | 55.2 | 2.2 | 4.3 | 299 |
| 21-Oct-14 | 23300 | 18.5 | 4.04 | 2.38 | 7.67 | 292 |
| 9-Mar-15 | 19900 | 20.8 | 4.85 | 1.38 | 9.8 | 290 |
| 8-Jun-15 | 17600 | 16.2 | 13.4 | 1.73 | 5.76 | 296 |
| 31-Aug-15 | 17000 | 15.1 | 12.3 | ND | 9.27 | 365 |
| 19-Oct-15 | 17000 | 14.5 | 10.8 | 1 | 6.23 | 293 |


TW4-20 Chloroform Values
70000
60000
50000
40000
30000
20000
10000
0
(ug/L)
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

| TW4-21 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 25-May-05 | 192 | NA | NA | NA | 14.6 | NA |
| 31-Aug-05 | 78 | <5 | <5 | <5 | 10.1 | NA |
| 1-Dec-05 | 86 | <1 | 1.0 | <1 | 9.6 | NA |
| 9-Mar-06 | 120 | <2.5 | <2.5 | <2.5 | 8.5 | 347 |
| 14-Jun-06 | 130 | <2.5 | <2.5 | <2.5 | 10.2 | 318 |
| 20-Jul-06 | 106 | <2.5 | <2.5 | <2.5 | 8.9 | 357 |
| 8-Nov-06 | 139 | 2 | <1 | <1 | 8.7 | 296 |
| 28-Feb-07 | 160 | 1.8 | <1 | <1 | 8.7 | 306 |
| 27-Jun-07 | 300 | 5.8 | <1 | <1 | 8.6 | 327 |
| 15-Aug-07 | 140 | <1 | <1 | <1 | 8.6 | 300 |
| 10-Oct-07 | 120 | <1 | <1 | <1 | 8.3 | 288 |
| 26-Mar-08 | 380 | 7 | <1 | <1 | 14.3 | 331 |
| 25-Jun-08 | 160 | 1.7 | <1 | <1 | 8.81 | 271 |
| 10-Sep-08 | 120 | 1.6 | <1 | <1 | 7.57 | 244 |
| 15-Oct-08 | 170 | 2 | <1 | <2 | 8.00 | 284 |
| 11-Mar-09 | 180 | <1 | <1 | <1 | 8.3 | 279 |
| 24-Jun-09 | 200 | <1 | <1 | <1 | 8.1 | 291 |
| 15-Sep-09 | 140 | <1 | <1 | <1 | 9.2 | 281 |
| 22-Dec-09 | 160 | <1 | <1 | <1 | 8.4 | 256 |
| 25-Feb-10 | 170 | <1 | <1 | <1 | 8.4 | 228 |
| 10-Jun-10 | 210 | 1.2 | <1 | <1 | 12 | 266 |
| 12-Aug-10 | 390 | 9.2 | <1 | <1 | 14 | 278 |
| 13-Oct-10 | 200 | 1.2 | <1 | <1 | 7 | 210 |
| 22-Feb-11 | 230 | 1.2 | ND | ND | 9 | 303 |
| 28-Jun-11 | 290 | 4.8 | ND | ND | 12 | 290 |
| 17-Aug-11 | 460 | 6.3 | ND | ND | 14 | 287 |
| 7-Dec-11 | 390 | 6.7 | ND | ND | 13 | 276 |
| 19-Jan-12 | 420 | 6.4 | ND | ND | 15 | 228 |
| 13-Jun-12 | 400 | 5.4 | ND | ND | 11 | 285 |
| 13-Sep-12 | 410 | 6 | ND | ND | 13 | 142 |
| 4-Oct-12 | 390 | 7 | ND | ND | 14 | 270 |
| 13-Jan-13 | 282 | 5.25 | ND | ND | 11.8 | 221 |
| 18-Jun-13 | 328 | 3.49 | ND | ND | 13.8 | 243 |
| 12-Sep-13 | 244 | 2.13 | ND | ND | 10.3 | 207 |
| 13-Nov-13 | 204 | ND | ND | ND | 9 | 206 |
| 5-Feb-14 | 220 | 6.23 | ND | ND | 11.4 | 200 |
| 22-May-14 | 240 | 4.73 | ND | ND | 11.5 | 243 |
| 27-Aug-14 | 204 | ND | ND | ND | 7.1 | 230 |
| 29-Oct-14 | 229 | 1.04 | ND | ND | 10 | 252 |
| 12-Mar-15 | 292 | 1.75 | ND | ND | 10.9 | 255 |
| 8-Jun-15 | 366 | 1.92 | ND | ND | 13.1 | 494 |
| 31-Aug-15 | 281 | ND | ND | ND | 14.7 | 499 |
| 19-Oct-15 | 339 | ND | ND | ND | 14.3 | 413 |

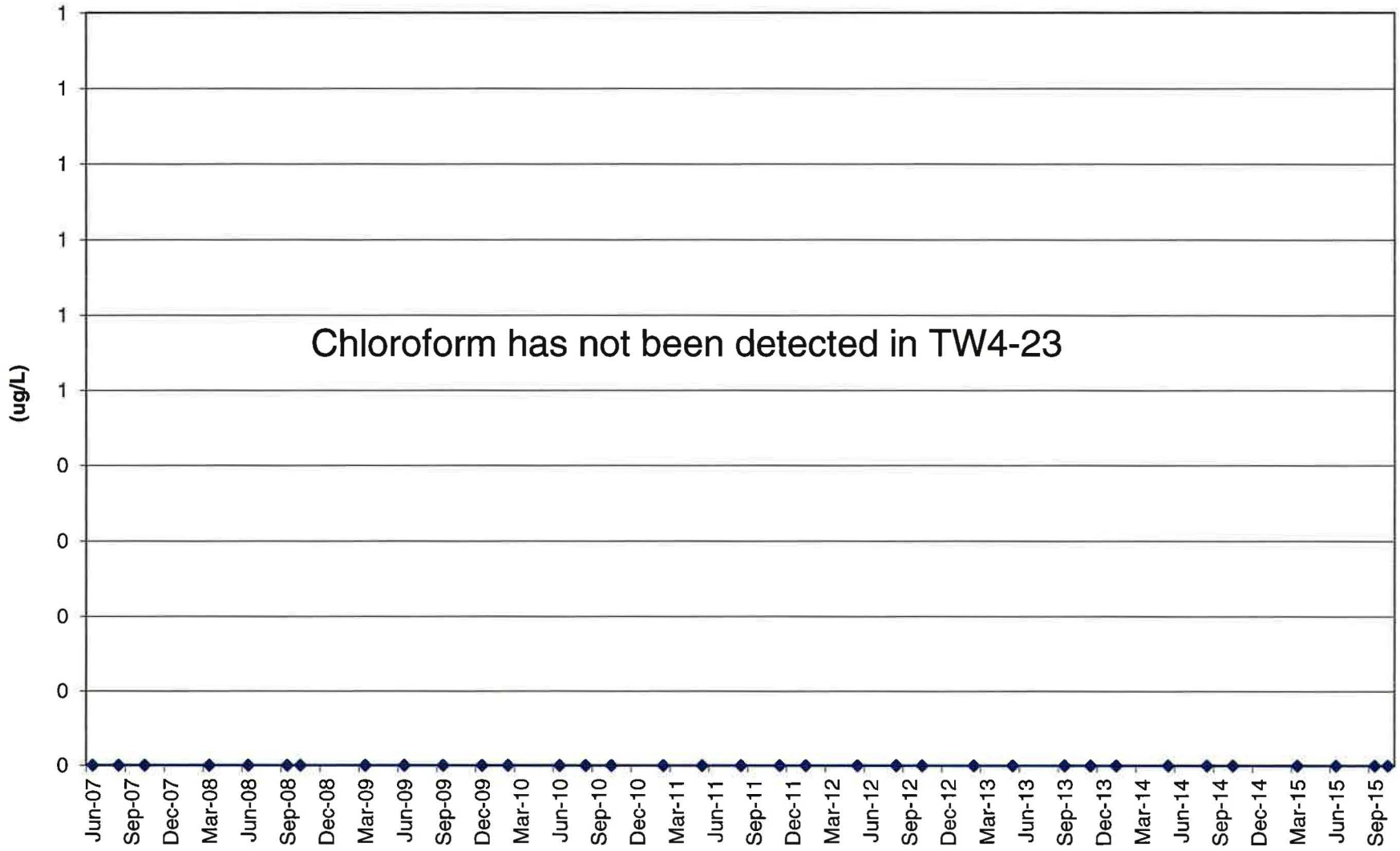

TW4-21 Chloroform Values
(ug/L)
500
450
400
350
300
250
200
150
100
50
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

| TW4-22 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 25-May-05 | 340 | NA | NA | NA | 18.2 | NA |
| 31-Aug-05 | 290 | <5 | <5 | <5 | 15.7 | NA |
| 1-Dec-05 | 320 | <5 | <5 | <5 | 15.1 | NA |
| 9-Mar-06 | 390 | <10 | <10 | <10 | 15.3 | 236 |
| 14-Jun-06 | 280 | <10 | <10 | <10 | 14.3 | 221 |
| 20-Jul-06 | 864 | <10 | <10 | <10 | 14.5 | 221 |
| 8-Nov-06 | 350 | <1 | 1.6 | <1 | 15.9 | 236 |
| 28-Feb-07 | 440 | <1 | <1 | <1 | 20.9 | 347 |
| 27-Jun-07 | 740 | <1 | <1 | <1 | 19.3 | 273 |
| 15-Aug-07 | 530 | <1 | <1 | <1 | 19.3 | 259 |
| 10-Oct-07 | 440 | <1 | <1 | <1 | 18.8 | 238 |
| 26-Mar-08 | 1400 | <1 | <1 | <1 | 39.1 | 519 |
| 25-Jun-08 | 1200 | <1 | <1 | <1 | 41.9 | 271 |
| 10-Sep-08 | 6300 | 1.3 | <1 | <1 | 38.7 | 524 |
| 15-Oct-08 | 630 | <2 | <2 | <2 | 36.3 | 539 |
| 11-Mar-09 | 390 | <1 | <1 | <1 | 20.7 | 177 |
| 24-Jun-09 | 730 | <1 | <1 | <1 | 20.6 | 177 |
| 15-Sep-09 | 2300 | <1 | <1 | <1 | 40.3 | 391 |
| 29-Dec-09 | 380 | <1 | <1 | <1 | 17.8 | 175 |
| 3-Mar-10 | 2200 | <1 | <1 | <1 | 36.6 | 427 |
| 15-Jun-10 | 540 | <1 | <1 | <1 | 19 | 134 |
| 24-Aug-10 | 340 | <1 | <1 | <1 | 15 | 130 |
| 13-Oct-10 | 340 | <1 | <1 | <1 | 16 | 134 |
| 23-Feb-11 | 1300 | ND | ND | ND | 18 | 114 |
| 1-Jun-11 | 210 | ND | ND | ND | 17 | 138 |
| 17-Aug-11 | 450 | ND | ND | ND | 15 | 120 |
| 7-Dec-11 | 400 | ND | ND | ND | 19 | 174 |
| 19-Jan-12 | 200 | ND | ND | ND | 14 | 36 |
| 13-Jun-12 | 120 | ND | ND | ND | 12.8 | 35 |
| 12-Sep-12 | 940 | ND | ND | ND | 7 | 121 |
| 4-Oct-12 | 330 | ND | ND | ND | 14 | 130 |
| 11-Feb-13 | 10600 | 3.24 | ND | ND | 58 | 635 |
| 5-Jun-13 | 12500 | 3.35 | ND | ND | 50.2 | 586 |
| 3-Sep-13 | 9640 | 3.25 | ND | ND | 29.7 | 487 |
| 29-Oct-13 | 13300 | 8.09 | ND | ND | 45.2 | 501 |
| 27-Jan-14 | 12100 | 6.06 | ND | 2.83 | 54.6 | 598 |
| 19-May-14 | 12400 | 6.65 | ND | ND | 47.2 | 614 |
| 11-Aug-14 | 12400 | 1.9 | 40 | ND | 41.5 | 540 |
| 21-Oct-14 | 12400 | 3.32 | 1.61 | ND | 54.9 | 596 |
| 9-Mar-15 | 12700 | 3.77 | 4.31 | ND | 69.2 | 675 |
| 8-Jun-15 | 8050 | 2.42 | 3.42 | ND | 47.1 | 390 |
| 31-Aug-15 | 7810 | ND | 5.47 | ND | 64.7 | 557 |
| 19-Oct-15 | 7530 | ND | 5.1 | ND | 56.1 | 567 |

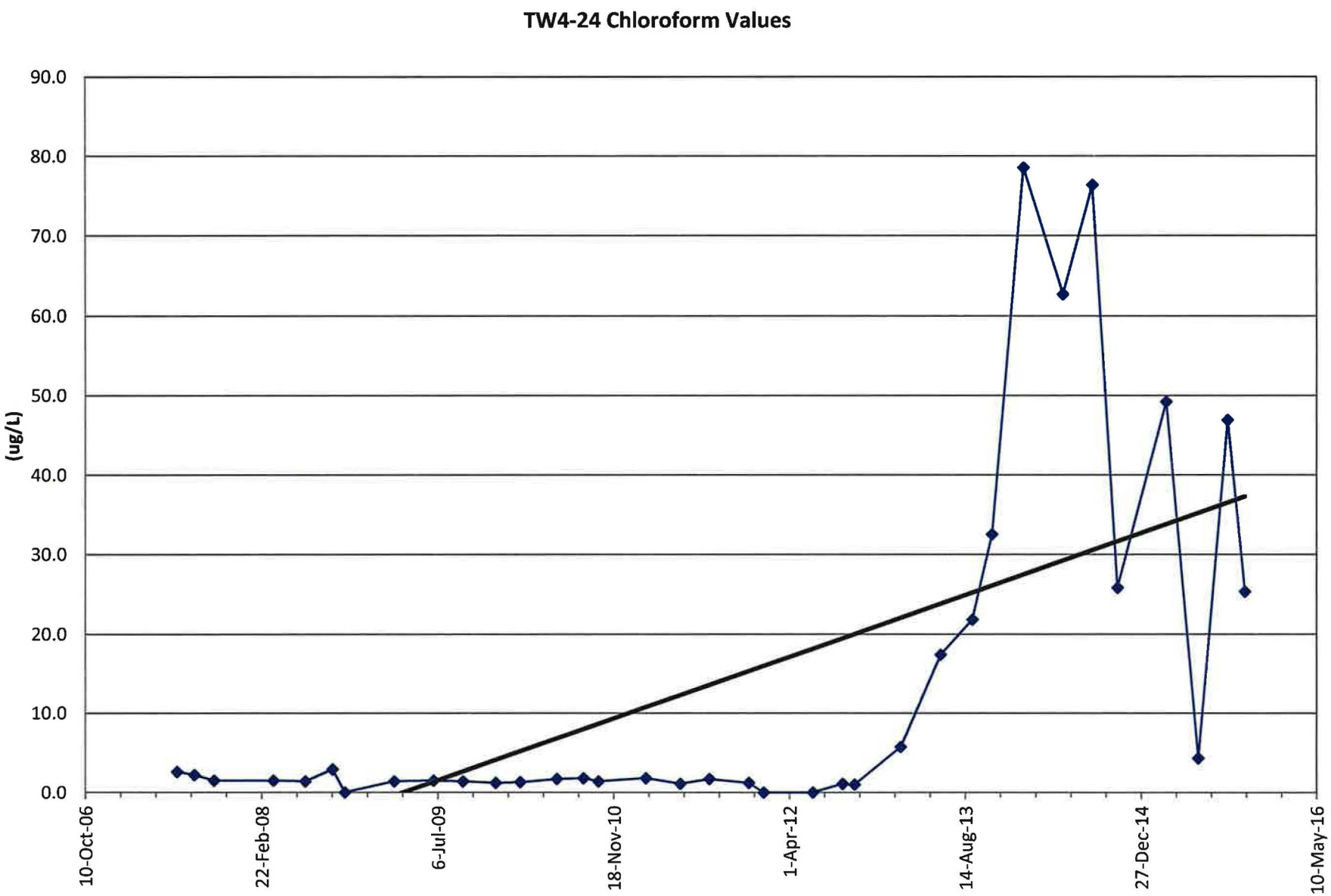

TW4-22 Chloroform Values
(ug/L)
14000
12000
10000
8000
6000
4000
2000
0
14-Jan-04
28-May-05
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

| TW4-23 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 27-Jun-07 | <1 | <1 | <1 | <1 | <0.1 | 47 |
| 15-Aug-07 | <1 | <1 | <1 | <1 | <0.1 | 46 |
| 10-Oct-07 | <1 | <1 | <1 | <1 | <0.1 | 43 |
| 26-Mar-08 | <1 | <1 | <1 | <1 | <0.1 | 41 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | <0.05 | 41 |
| 10-Sep-08 | <1 | <1 | <1 | <1 | <0.05 | 35 |
| 15-Oct-08 | <2 | <2 | <2 | <2 | <0.05 | 51 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | <0.1 | 41 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | <0.1 | 43 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | <0.1 | 43 |
| 16-Dec-09 | <1 | <1 | <1 | <1 | <0.1 | 37 |
| 24-Feb-10 | <1 | <1 | <1 | <1 | <0.1 | 45 |
| 8-Jun-10 | <1 | <1 | <1 | <1 | <0.1 | 40 |
| 10-Aug-10 | <1 | <1 | <1 | <1 | <0.1 | 40 |
| 5-Oct-10 | <1 | <1 | <1 | <1 | <0.1 | 34 |
| 16-Feb-11 | ND | ND | ND | ND | ND | 44 |
| 25-May-11 | ND | ND | ND | ND | ND | 44 |
| 16-Aug-11 | ND | ND | ND | ND | ND | 41 |
| 15-Nov-11 | ND | ND | ND | ND | ND | 43 |
| 17-Jan-12 | ND | ND | ND | ND | ND | 40 |
| 31-May-12 | ND | ND | ND | ND | ND | 44 |
| 29-Aug-12 | ND | ND | ND | ND | ND | 46 |
| 3-Oct-12 | ND | ND | ND | ND | ND | 45 |
| 7-Feb-13 | ND | ND | ND | ND | ND | 43.6 |
| 30-May-13 | ND | ND | ND | ND | 0.116 | 44.7 |
| 5-Sep-13 | ND | ND | ND | ND | ND | 48.0 |
| 7-Nov-13 | ND | ND | ND | ND | ND | 43.0 |
| 23-Jan-14 | ND | ND | ND | ND | ND | 44.6 |
| 21-May-14 | ND | ND | ND | ND | ND | 42.3 |
| 13-Aug-14 | ND | ND | ND | ND | ND | 46.0 |
| 28-Oct-14 | ND | ND | ND | ND | ND | 46.8 |
| 12-Mar-15 | ND | ND | ND | ND | ND | 47.3 |
| 10-Jun-15 | ND | ND | ND | ND | ND | 48.4 |
| 3-Sep-15 | ND | ND | ND | ND | ND | 54.1 |
| 28-Oct-15 | ND | ND | ND | ND | ND | 46.4 |

**TW4-23 Chloroform Values**

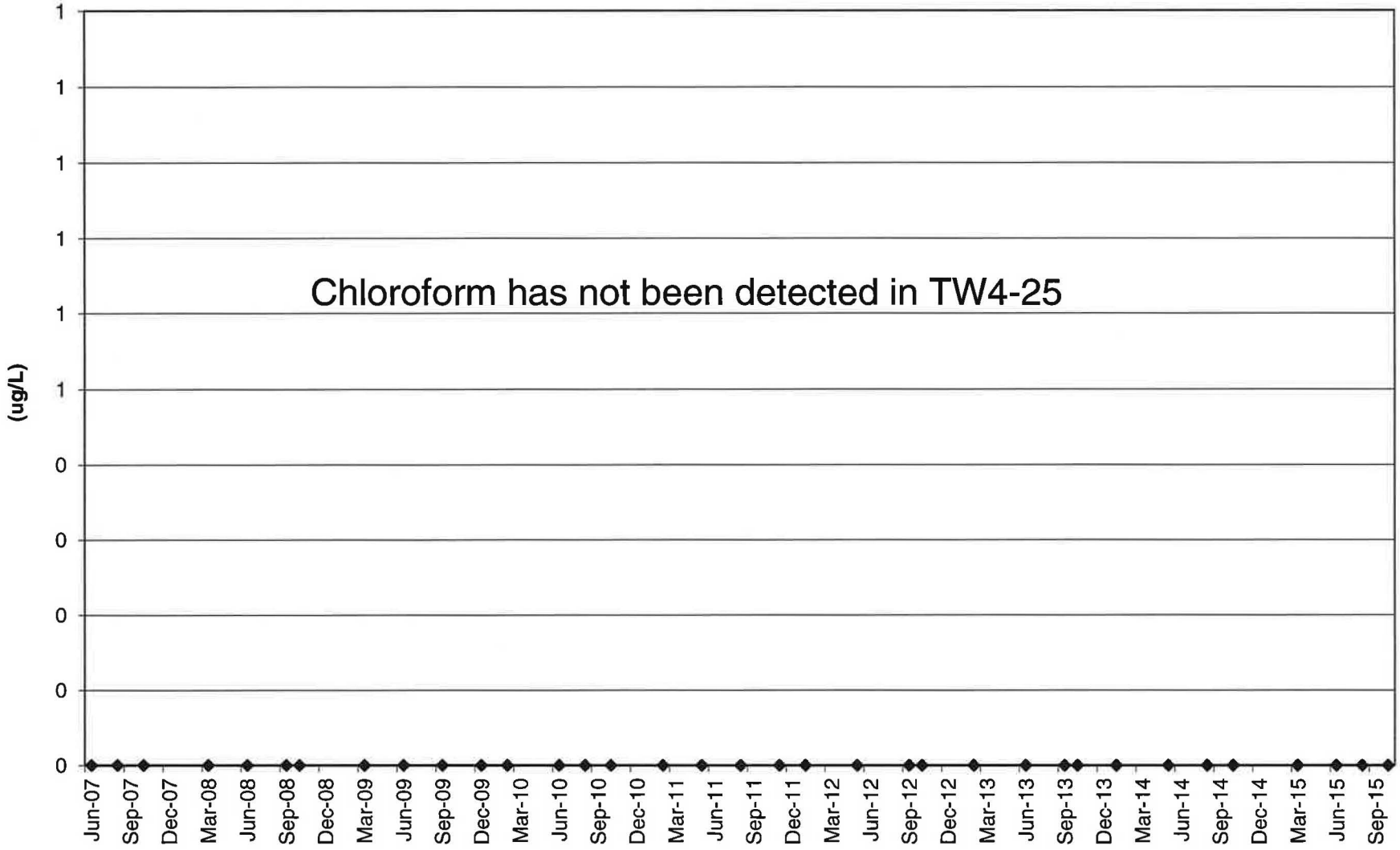


| TW4-24 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 27-Jun-07 | 2.6 | <1 | <1 | <1 | 26.1 | 770 |
| 15-Aug-07 | 2.2 | <1 | <1 | <1 | 29 | 791 |
| 10-Oct-07 | 1.5 | <1 | <1 | <1 | 24.7 | 692 |
| 26-Mar-08 | 1.5 | <1 | <1 | <1 | 24.4 | 740 |
| 25-Jun-08 | 1.4 | <1 | <1 | <1 | 45.3 | 834 |
| 10-Sep-08 | 2.9 | <1 | <1 | <1 | 38.4 | 1180 |
| 15-Oct-08 | <2 | <2 | <2 | <2 | 44.6 | 1130 |
| 4-Mar-09 | 1.4 | <1 | <1 | <1 | 30.5 | 1010 |
| 24-Jun-09 | 1.5 | <1 | <1 | <1 | 30.4 | 759 |
| 15-Sep-09 | 1.4 | <1 | <1 | <1 | 30.7 | 618 |
| 17-Dec-09 | 1.2 | <1 | <1 | <1 | 28.3 | 1080 |
| 25-Feb-10 | 1.3 | <1 | <1 | <1 | 33.1 | 896 |
| 9-Jun-10 | 1.7 | <1 | <1 | <1 | 30 | 639 |
| 24-Aug-10 | 1.8 | <1 | <1 | <1 | 31 | 587 |
| 6-Oct-10 | 1.4 | <1 | <1 | <1 | 31 | 522 |
| 17-Feb-11 | 1.8 | ND | ND | ND | 31 | 1100 |
| 26-May-11 | 1.1 | ND | ND | ND | 35 | 1110 |
| 17-Aug-11 | 1.7 | ND | ND | ND | 34 | 967 |
| 7-Dec-11 | 1.2 | ND | ND | ND | 35 | 608 |
| 18-Jan-12 | ND | ND | ND | ND | 37 | 373 |
| 6-Jun-12 | ND | ND | ND | ND | 37 | 355 |
| 30-Aug-12 | 1.1 | ND | ND | ND | 37 | 489 |
| 3-Oct-12 | 1.0 | ND | ND | ND | 38 | 405 |
| 11-Feb-13 | 5.7 | ND | ND | ND | 35.9 | 1260 |
| 5-Jun-13 | 17.4 | ND | ND | ND | 23.7 | 916 |
| 3-Sep-13 | 21.8 | ND | ND | ND | 32.6 | 998 |
| 29-Oct-13 | 32.5 | ND | ND | ND | 34.6 | 1030 |
| 27-Jan-14 | 78.5 | ND | ND | 1.18 | 31.6 | 809 |
| 19-May-14 | 62.7 | ND | ND | ND | 35 | 1020 |
| 11-Aug-14 | 76.3 | ND | ND | ND | 31.5 | 1150 |
| 21-Oct-14 | 25.8 | ND | ND | ND | 35.7 | 1050 |
| 9-Mar-15 | 49.2 | ND | ND | ND | 34.6 | 944 |
| 8-Jun-15 | 4.3 | ND | ND | ND | 31.8 | 1290 |
| 31-Aug-15 | 46.9 | ND | ND | ND | 25.3 | 788 |
| 19-Oct-15 | 25.3 | ND | ND | ND | 29.6 | 909 |

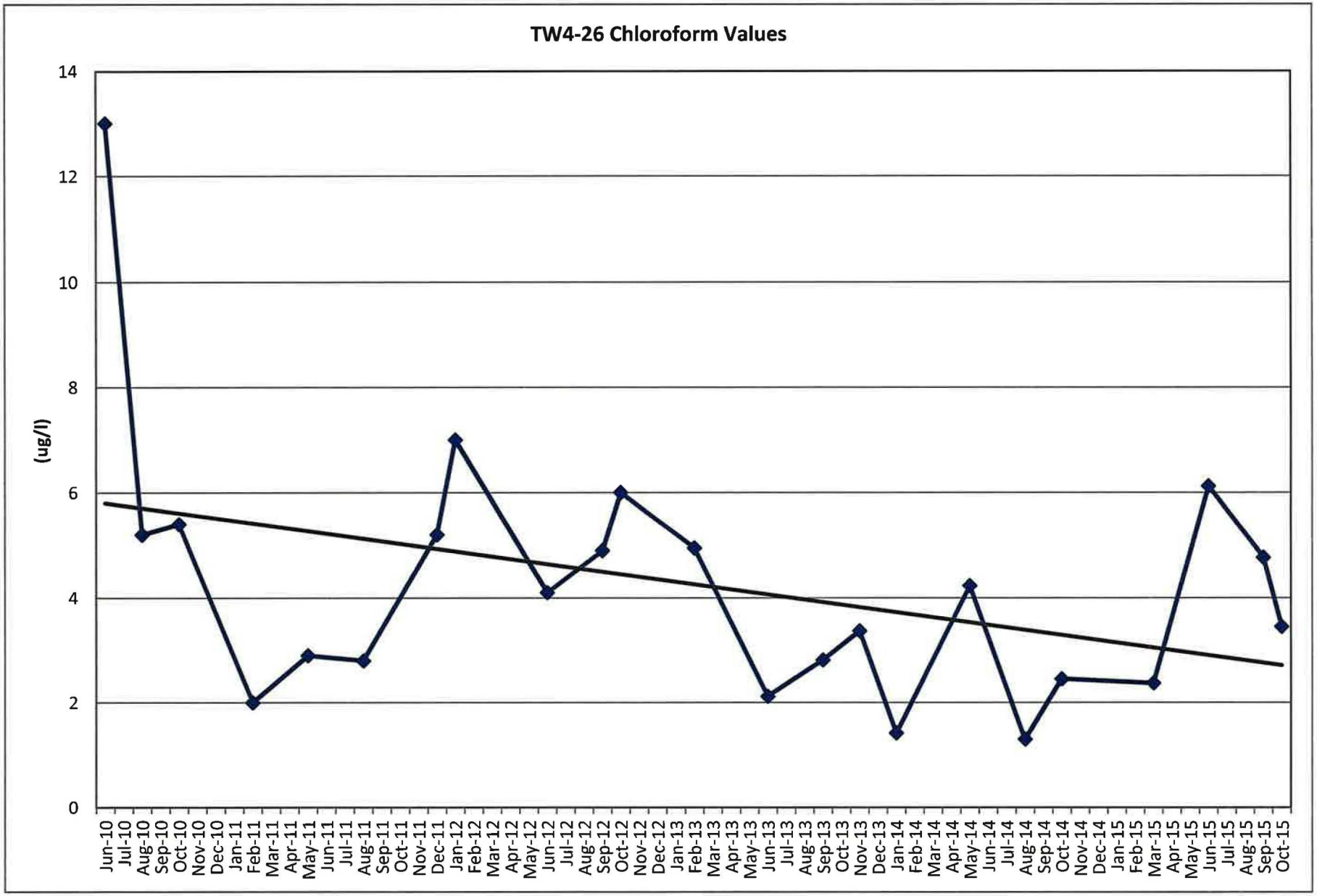

TW4-24 Chloroform Values
(ug/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
10-Oct-06
22-Feb-08
6-Jul-09
18-Nov-10
1-Apr-12
14-Aug-13
27-Dec-14
10-May-16

| TW4-25 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 27-Jun-07 | <1 | <1 | <1 | <1 | 17.1 | 395 |
| 15-Aug-07 | <1 | <1 | <1 | <1 | 16.7 | 382 |
| 10-Oct-07 | <1 | <1 | <1 | <1 | 17 | 356 |
| 26-Mar-08 | <1 | <1 | <1 | <1 | 18.7 | 374 |
| 25-Jun-08 | <1 | <1 | <1 | <1 | 22.1 | 344 |
| 10-Sep-08 | <1 | <1 | <1 | <1 | 18.8 | 333 |
| 15-Oct-08 | <2 | <2 | <2 | <2 | 21.3 | 366 |
| 4-Mar-09 | <1 | <1 | <1 | <1 | 15.3 | 332 |
| 24-Jun-09 | <1 | <1 | <1 | <1 | 15.3 | 328 |
| 15-Sep-09 | <1 | <1 | <1 | <1 | 3.3 | 328 |
| 16-Dec-09 | <1 | <1 | <1 | <1 | 14.2 | 371 |
| 23-Feb-10 | <1 | <1 | <1 | <1 | 14.4 | 296 |
| 8-Jun-10 | <1 | <1 | <1 | <1 | 16 | 306 |
| 10-Aug-10 | <1 | <1 | <1 | <1 | 14 | 250 |
| 5-Oct-10 | <1 | <1 | <1 | <1 | 15 | 312 |
| 16-Feb-11 | ND | ND | ND | ND | 15 | 315 |
| 25-May-11 | ND | ND | ND | ND | 16 | 321 |
| 16-Aug-11 | ND | ND | ND | ND | 16 | 276 |
| 15-Nov-11 | ND | ND | ND | ND | 16 | 294 |
| 18-Jan-12 | ND | ND | ND | ND | 16 | 304 |
| 31-May-12 | ND | ND | ND | ND | 16 | 287 |
| 11-Sep-12 | ND | ND | ND | ND | 17 | 334 |
| 3-Oct-12 | ND | ND | ND | ND | 17 | 338 |
| 11-Feb-13 | ND | ND | ND | ND | 9.04 | 190 |
| 5-Jun-13 | ND | ND | ND | ND | 5.24 | 136 |
| 3-Sep-13 | ND | ND | ND | ND | 5.69 | 119 |
| 29-Oct-13 | ND | ND | ND | ND | 6.1 | 88.6 |
| 27-Jan-14 | ND | ND | ND | ND | 2.16 | 85.7 |
| 19-May-14 | ND | ND | ND | ND | 1.21 | 51.1 |
| 11-Aug-14 | ND | ND | ND | ND | 1.6 | 67 |
| 21-Oct-14 | ND | ND | ND | ND | 1.03 | 58.1 |
| 9-Mar-15 | ND | ND | ND | ND | 14.4 | 310 |
| 8-Jun-15 | ND | ND | ND | ND | 1.14 | 58.3 |
| 31-Aug-15 | ND | ND | ND | ND | 1.63 | 69.2 |
| 21-Oct-15 | ND | ND | ND | ND | 1.78 | 93.7 |

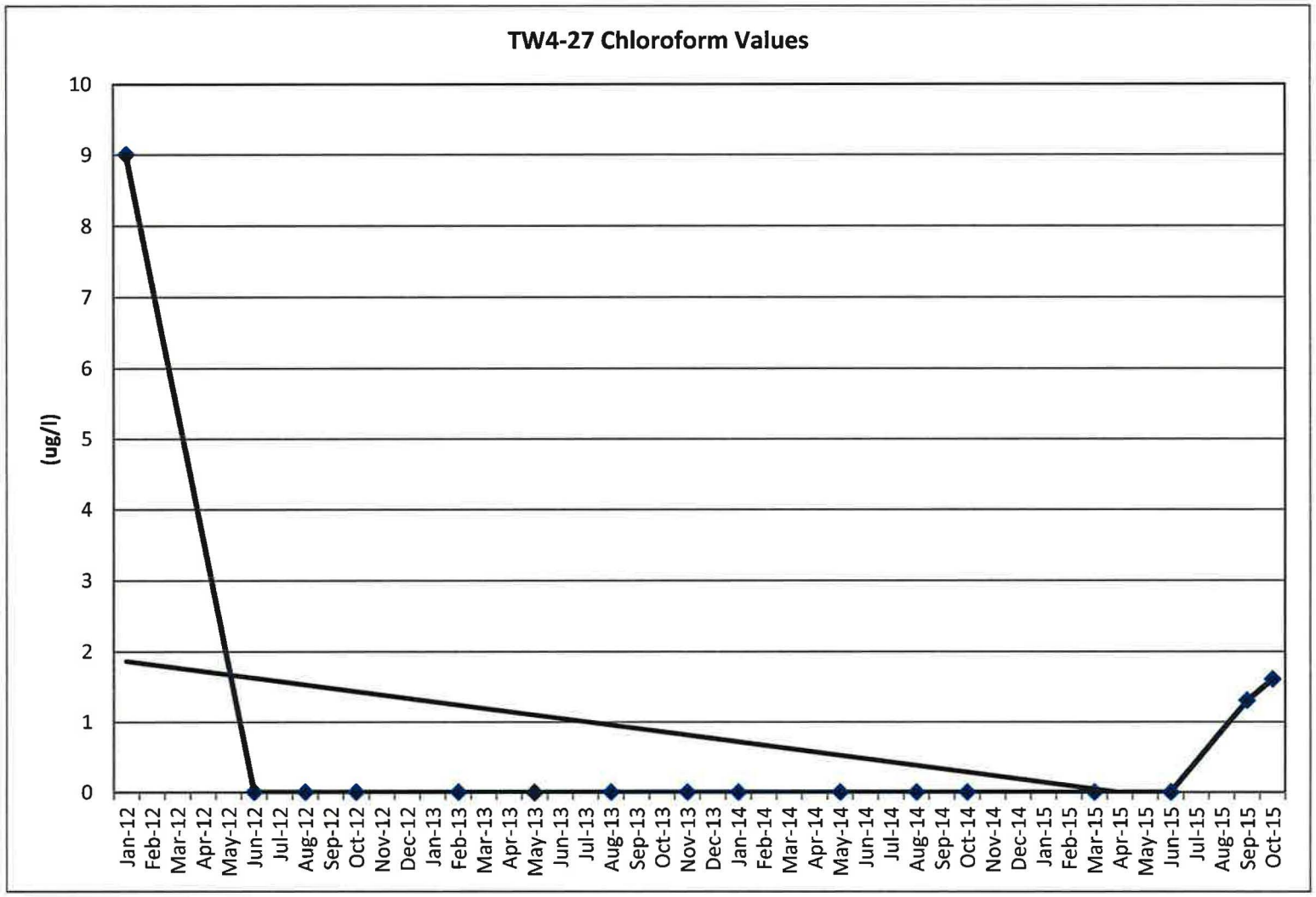
## TW4-25 Chloroform Values



| TW4-26 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 15-Jun-10 | 13 | <1 | <1 | <1 | 7.9 | 33 |
| 11-Aug-10 | 5 | <1 | <1 | <1 | 9 | 17 |
| 6-Oct-10 | 5.4 | <1 | <1 | <1 | 9.6 | 22 |
| 22-Feb-11 | 2.0 | ND | ND | ND | 10 | 30 |
| 26-May-11 | 2.9 | ND | ND | ND | 10 | 15 |
| 17-Aug-11 | 2.8 | ND | ND | ND | 11 | 19 |
| 7-Dec-11 | 5.2 | ND | ND | ND | 10 | 26 |
| 18-Jan-12 | 7.0 | ND | ND | ND | 11 | 17 |
| 6-Jun-12 | 4.1 | ND | ND | ND | 12 | 19 |
| 11-Sep-12 | 4.9 | ND | ND | ND | 9 | 19 |
| 3-Oct-12 | 6.0 | ND | ND | ND | 12 | 19 |
| 7-Feb-13 | 5.0 | ND | ND | ND | 12.5 | 16.6 |
| 13-Jun-13 | 2.1 | ND | ND | ND | 13.6 | 14.5 |
| 5-Sep-13 | 2.8 | ND | ND | ND | 11.7 | 17.6 |
| 7-Nov-13 | 3.4 | ND | ND | ND | 15.9 | 15.9 |
| 29-Jan-14 | 1.4 | ND | ND | ND | 14.2 | 16.9 |
| 21-May-14 | 4.2 | ND | ND | ND | 12.5 | 15.4 |
| 11-Aug-14 | 1.3 | ND | ND | ND | 10.8 | 15 |
| 28-Oct-14 | 2.45 | ND | ND | ND | 12.3 | 14.6 |
| 12-Mar-15 | 2.37 | ND | ND | ND | 14.4 | 14.4 |
| 10-Jun-15 | 6.12 | ND | 1.17 | ND | 11.3 | 14.4 |
| 3-Sep-15 | 4.77 | ND | ND | ND | 14.2 | 14.0 |
| 28-Oct-15 | 3.45 | ND | ND | ND | 13.9 | 13.3 |

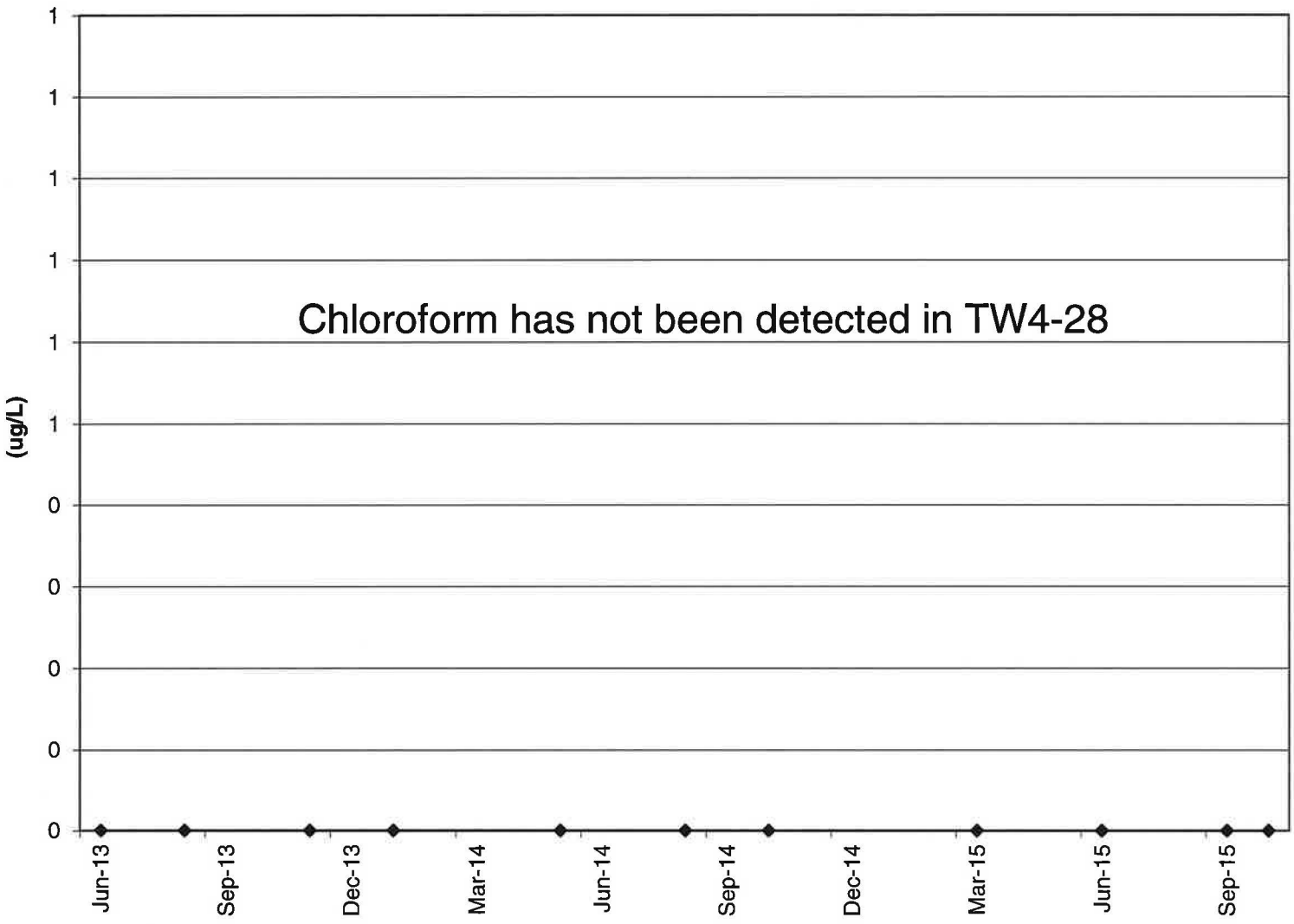

TW4-26 Chloroform Values
(ug/l)
0
2
4
6
8
10
12
14
Jun-10
Jul-10
Aug-10
Sep-10
Oct-10
Nov-10
Dec-10
Jan-11
Feb-11
Mar-11
Apr-11
May-11
Jun-11
Jul-11
Aug-11
Sep-11
Oct-11
Nov-11
Dec-11
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

| TW4-27 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 24-Jan-12 | 9 | ND | ND | ND | 24 | 11 |
| 13-Jun-12 | ND | ND | ND | ND | 41 | 17 |
| 30-Aug-12 | ND | ND | ND | ND | 37 | 21 |
| 3-Oct-12 | ND | ND | ND | ND | 36 | 18 |
| 7-Feb-13 | ND | ND | ND | ND | 31.2 | 18.8 |
| 30-May-13 | ND | ND | ND | ND | 29.4 | 20.3 |
| 29-Aug-13 | ND | ND | ND | ND | 27.2 | 19 |
| 6-Nov-13 | ND | ND | ND | ND | 29.8 | 21.8 |
| 23-Jan-14 | ND | ND | ND | ND | 31.3 | 21.8 |
| 21-May-14 | ND | ND | ND | ND | 31.1 | 20.6 |
| 13-Aug-14 | ND | ND | ND | ND | 27.0 | 23 |
| 23-Oct-14 | ND | ND | ND | ND | 28.2 | 24.4 |
| 11-Mar-15 | ND | ND | ND | ND | 26.5 | 26.2 |
| 10-Jun-15 | ND | ND | ND | ND | 24.0 | 26.8 |
| 2-Sep-15 | 1.30 | ND | ND | ND | 20.9 | 26.8 |
| 28-Oct-15 | 1.60 | ND | ND | ND | 23.5 | 26.2 |

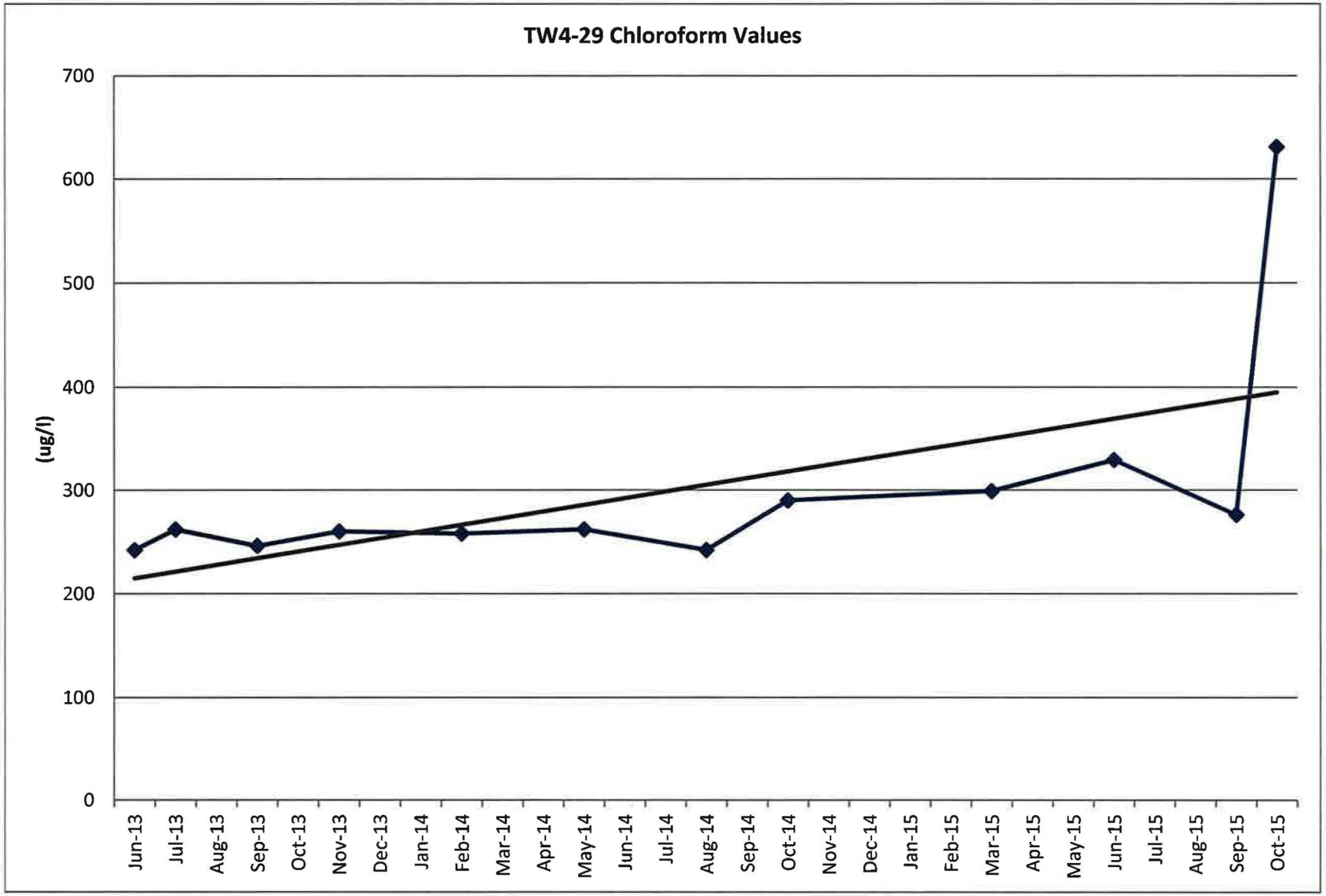

TW4-27 Chloroform Values
(ug/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-12
Feb-12
Mar-12
Apr-12
May-12
Jun-12
Jul-12
Aug-12
Sep-12
Oct-12
Nov-12
Dec-12
Jan-13
Feb-13
Mar-13
Apr-13
May-13
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

| TW4-28 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 19-Jun-13 | ND | ND | ND | ND | 14.9 | 44.6 |
| 29-Aug-13 | ND | ND | ND | ND | 17.3 | 45.3 |
| 6-Nov-13 | ND | ND | ND | ND | 16.2 | 45.2 |
| 22-Jan-14 | ND | ND | ND | ND | 16.9 | 47.8 |
| 21-May-14 | ND | ND | ND | ND | 16.5 | 45.7 |
| 13-Aug-14 | ND | ND | ND | ND | 14.2 | 50 |
| 23-Oct-14 | ND | ND | ND | ND | 16.5 | 52.1 |
| 11-Mar-15 | ND | ND | ND | ND | 19 | 52.2 |
| 10-Jun-15 | ND | ND | ND | ND | 19 | 56.4 |
| 2-Sep-15 | ND | ND | ND | ND | 17.8 | 61.4 |
| 21-Oct-15 | ND | ND | ND | ND | 18.7 | 52.7 |

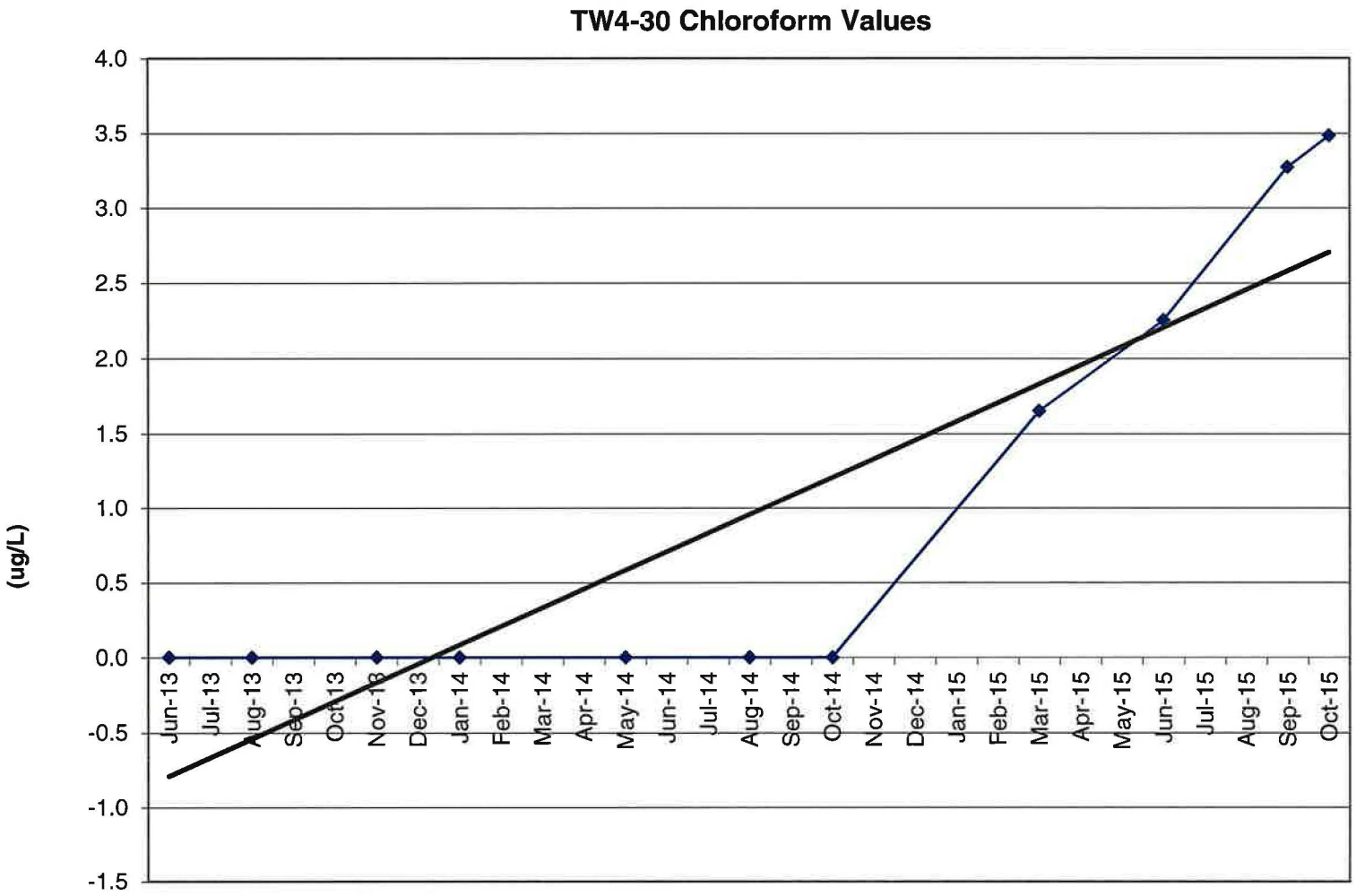
## TW4-28 Chloroform Values



| TW4-29 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 19-Jun-13 | 242 | ND | ND | ND | 4.63 | 44.8 |
| 11-Jul-13 | 262 | ND | ND | ND | 3.52 | 37.7 |
| 26-Sep-13 | 246 | ND | ND | ND | 4.18 | 41.4 |
| 13-Nov-13 | 260 | ND | ND | ND | 4.11 | 42.5 |
| 5-Feb-14 | 258 | ND | ND | ND | 4.63 | 41.9 |
| 22-May-14 | 262 | ND | ND | ND | 3.52 | 38.2 |
| 27-Aug-14 | 242 | ND | ND | ND | 3.4 | 41 |
| 29-Oct-14 | 290 | ND | ND | ND | 3.64 | 41 |
| 12-Mar-15 | 299 | ND | ND | ND | 4.14 | 40.5 |
| 11-Jun-15 | 329 | ND | ND | ND | 2.95 | 42.5 |
| 3-Sep-15 | 276 | ND | ND | ND | 2.19 | 47.3 |
| 29-Oct-15 | 631 | ND | ND | ND | 2.74 | 39.8 |

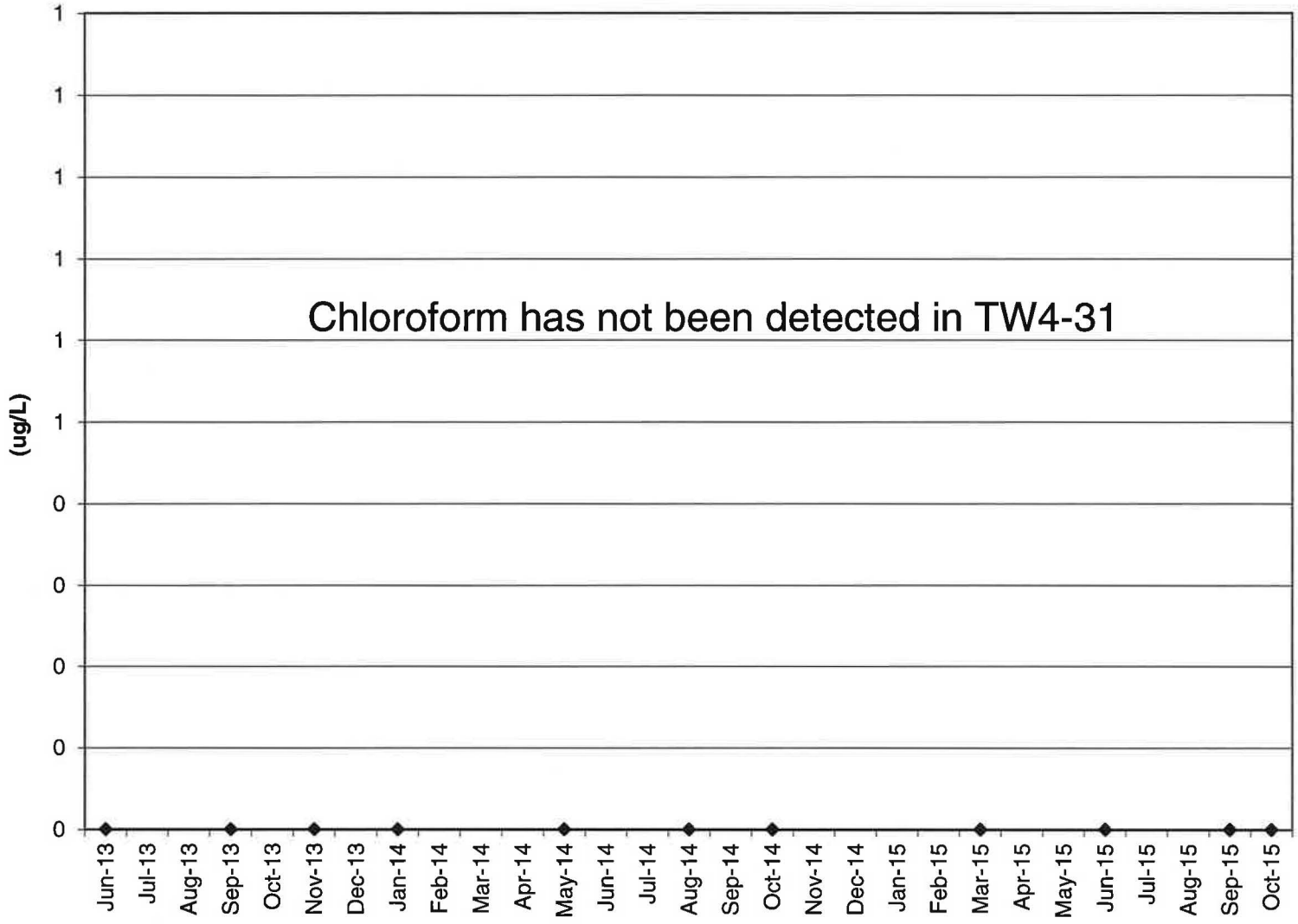

TW4-29 Chloroform Values
(ug/l)
700
600
500
400
300
200
100
0
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

| TW4-30 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 19-Jun-13 | ND | ND | ND | ND | 0.948 | 36 |
| 29-Aug-13 | ND | ND | ND | ND | 0.952 | 36.3 |
| 7-Nov-13 | ND | ND | ND | ND | 1.24 | 35.9 |
| 23-Jan-14 | ND | ND | ND | ND | 1.36 | 36 |
| 21-May-14 | ND | ND | ND | ND | 1.44 | 31.99 |
| 13-Aug-14 | ND | ND | ND | ND | 1.5 | 38 |
| 23-Oct-14 | ND | ND | ND | ND | 1.84 | 37.1 |
| 11-Mar-15 | 1.65 | ND | ND | ND | 2.15 | 38.3 |
| 10-Jun-15 | 2.25 | ND | ND | ND | 1.75 | 40.3 |
| 3-Sep-15 | 3.27 | ND | ND | ND | 1.75 | 44.2 |
| 28-Oct-15 | 3.48 | ND | ND | ND | 1.86 | 37.8 |


TW4-30 Chloroform Values
(ug/L)
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
-1.0
-1.5
Jun-13
Jul-13
Aug-13
Sep-13
Oct-13
Nov-13
Dec-13
Jan-14
Feb-14
Mar-14
Apr-14
May-14
Jun-14
Jul-14
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

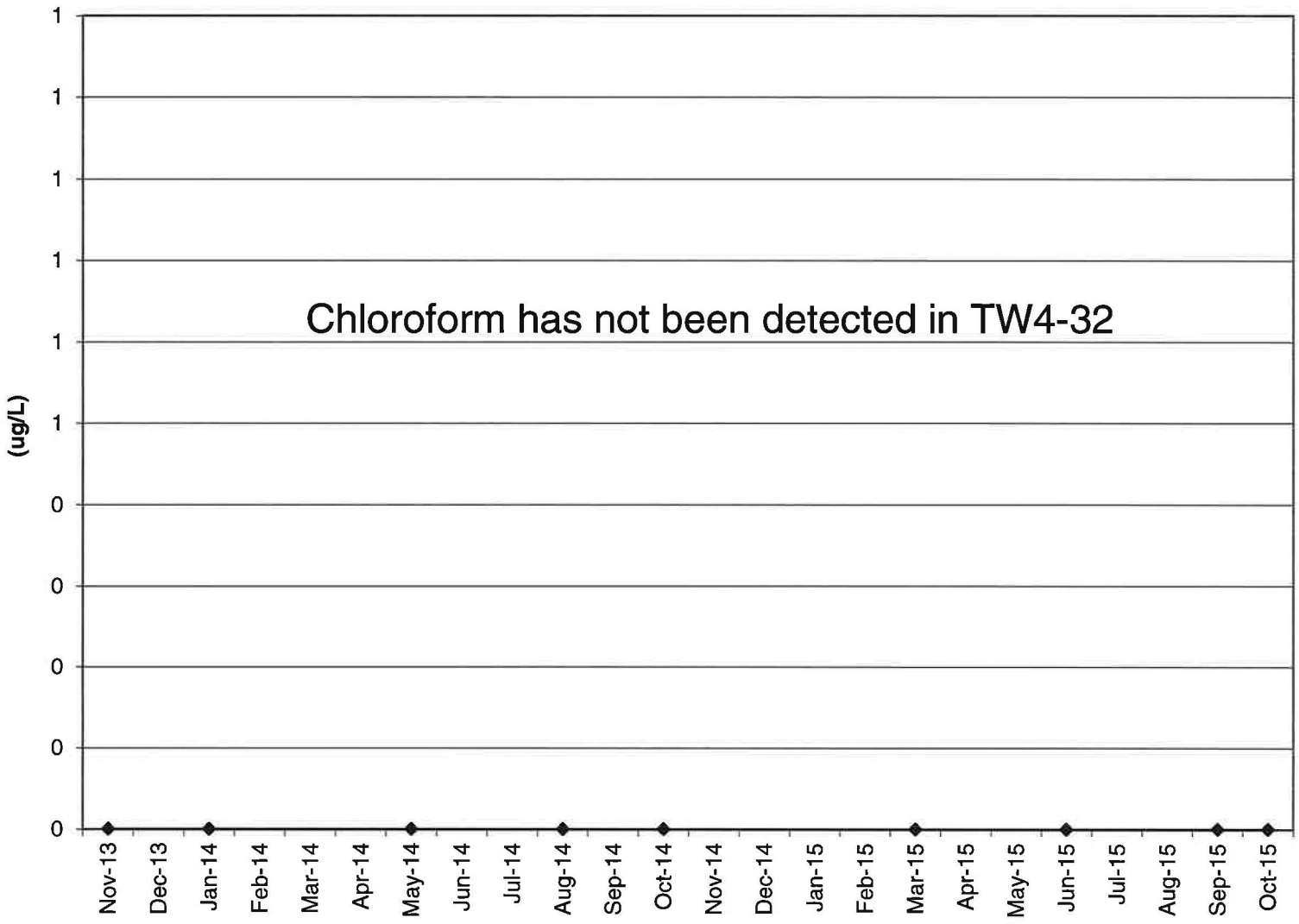
| TW4-31 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 19-Jun-13 | ND | ND | ND | ND | 1.26 | 28.4 |
| 5-Sep-13 | ND | ND | ND | ND | 1.1 | 29.4 |
| 7-Nov-13 | ND | ND | ND | ND | 1.33 | 28 |
| 23-Jan-14 | ND | ND | ND | ND | 1.32 | 28.5 |
| 21-May-14 | ND | ND | ND | ND | 1.22 | 26.3 |
| 13-Aug-14 | ND | ND | ND | ND | 1.1 | 30 |
| 28-Oct-14 | ND | ND | ND | ND | 1.23 | 30 |
| 11-Mar-15 | ND | ND | ND | ND | 1.33 | 30.6 |
| 10-Jun-15 | ND | ND | ND | ND | 1.19 | 31.1 |
| 2-Sep-15 | ND | ND | ND | ND | 0.916 | 30.4 |
| 21-Oct-15 | ND | ND | ND | ND | 0.953 | 29.1 |

## TW4-31 Chloroform Values



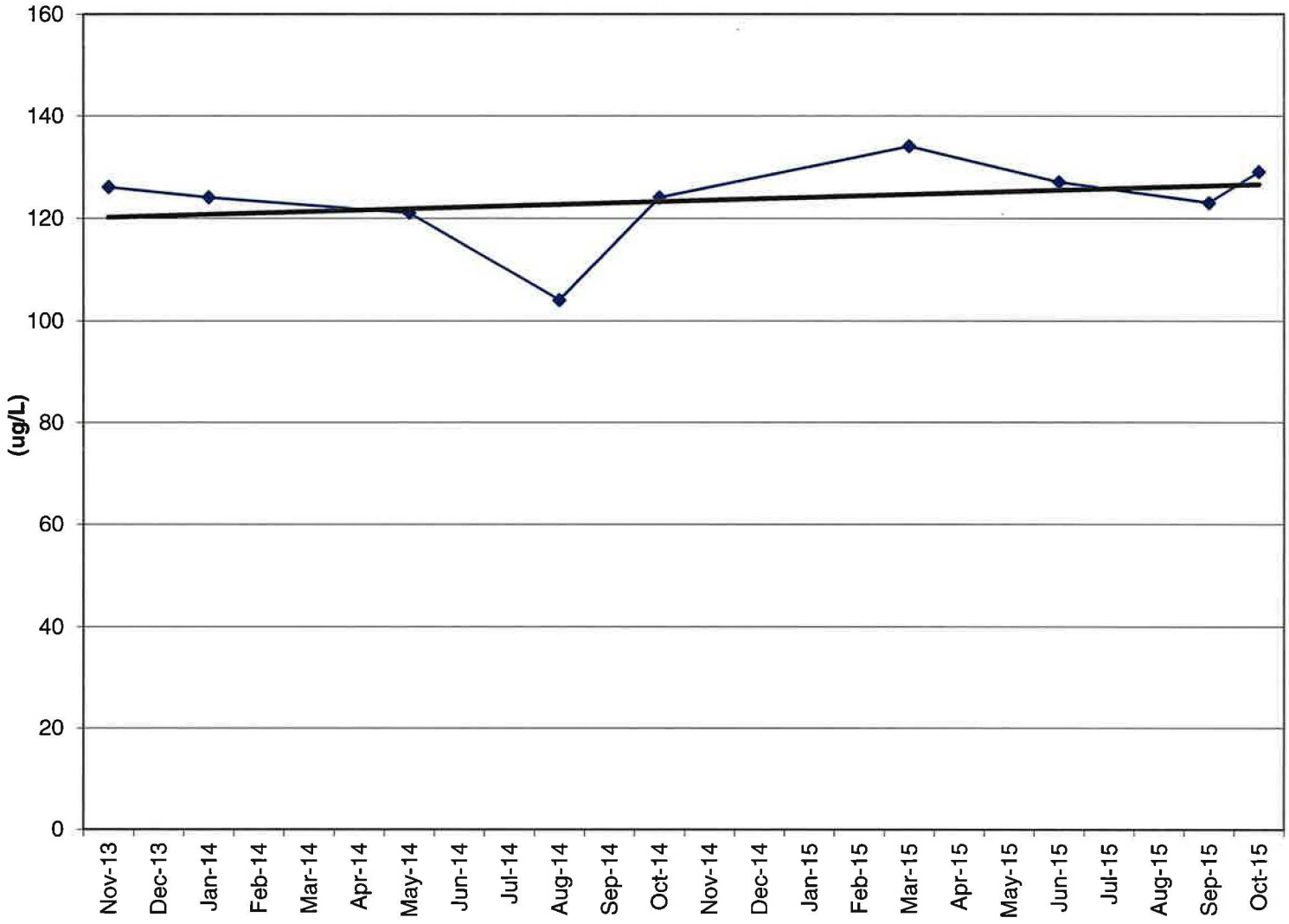
| TW4-32 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 14-Nov-13 | ND | ND | ND | ND | 4.26 | 52.1 |
| 22-Jan-14 | ND | ND | ND | ND | 5.11 | 54.5 |
| 21-May-14 | ND | ND | ND | ND | 5.63 | 54.9 |
| 13-Aug-14 | ND | ND | ND | ND | 4.2 | 64 |
| 23-Oct-14 | ND | ND | ND | ND | 2.14 | 62.6 |
| 11-Mar-15 | ND | ND | ND | ND | 2.46 | 64.2 |
| 10-Jun-15 | ND | ND | ND | ND | 1.21 | 62.7 |
| 2-Sep-15 | ND | ND | ND | ND | 5.09 | 59.6 |
| 21-Oct-15 | ND | ND | ND | ND | 1.19 | 55.1 |

## TW4-32 Chloroform Values



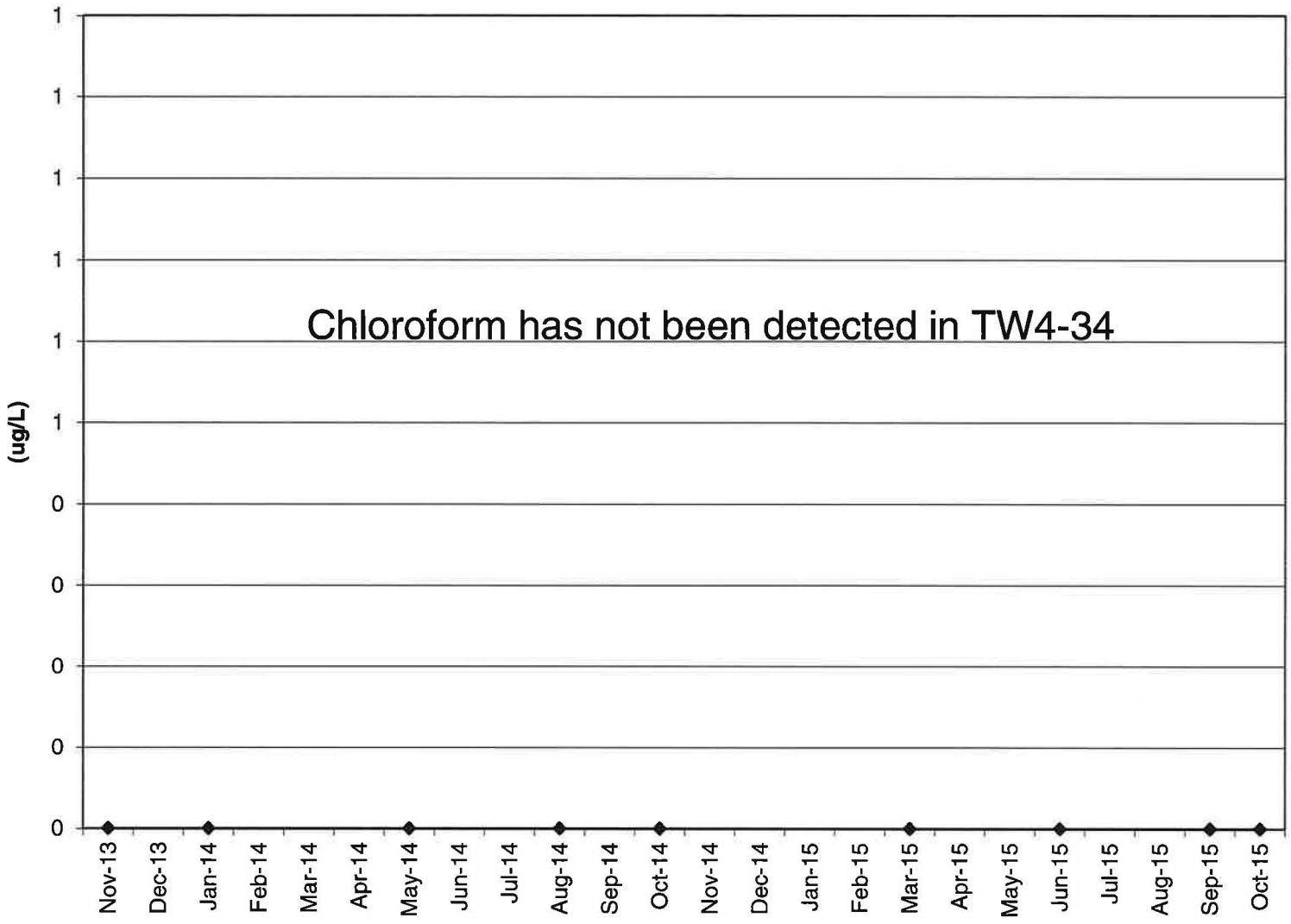
| TW4-33 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 14-Nov-13 | 126 | ND | ND | ND | 1.82 | 47.2 |
| 30-Jan-14 | 124 | ND | ND | ND | 2.56 | 43.5 |
| 22-May-14 | 121 | ND | ND | ND | 1.63 | 46.8 |
| 27-Aug-14 | 104 | ND | ND | ND | 1.5 | 43 |
| 29-Oct-14 | 124 | ND | ND | ND | 2.22 | 44.2 |
| 12-Mar-15 | 134 | ND | ND | ND | 1.91 | 44.2 |
| 11-Jun-15 | 127 | ND | ND | ND | 1.62 | 46.4 |
| 3-Sep-15 | 123 | ND | ND | ND | 1.64 | 53.4 |
| 29-Oct-15 | 129 | ND | ND | ND | 1.92 | 44.5 |

## TW4-33 Chloroform Values



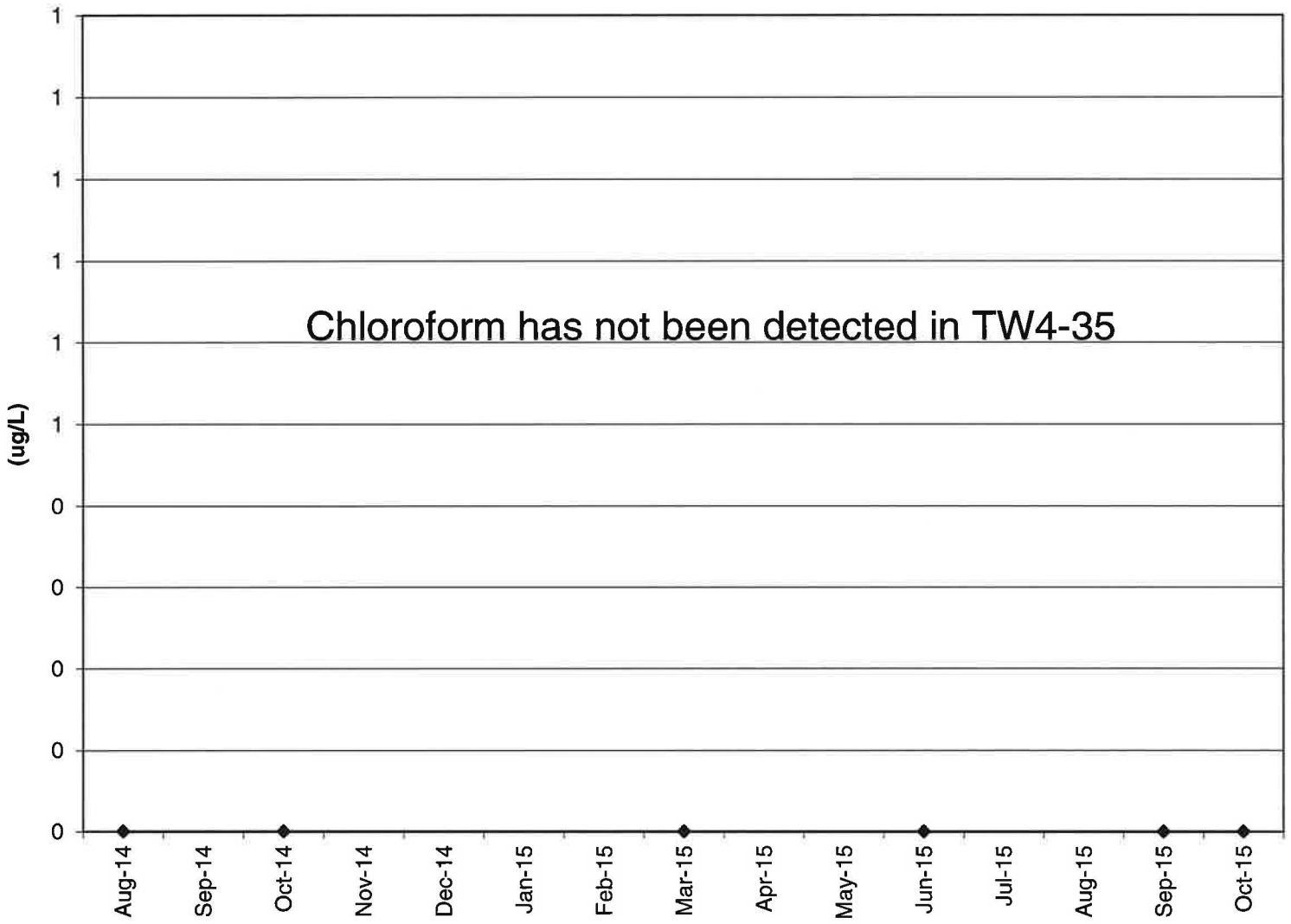
| TW4-34 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 14-Nov-13 | ND | ND | ND | ND | 1.64 | 19.2 |
| 23-Jan-14 | ND | ND | ND | ND | 1.94 | 20.4 |
| 21-May-14 | ND | ND | ND | ND | 1.69 | 17.9 |
| 13-Aug-14 | ND | ND | ND | ND | 1.1 | 18 |
| 28-Oct-14 | ND | ND | ND | ND | 1.16 | 17.5 |
| 11-Mar-15 | ND | ND | ND | ND | 1.21 | 17.7 |
| 10-Jun-15 | ND | ND | ND | ND | 0.868 | 17.4 |
| 3-Sep-15 | ND | ND | ND | ND | 0.458 | 15.1 |
| 21-Oct-15 | ND | ND | ND | ND | 0.368 | 15.8 |

## TW4-34 Chloroform Values

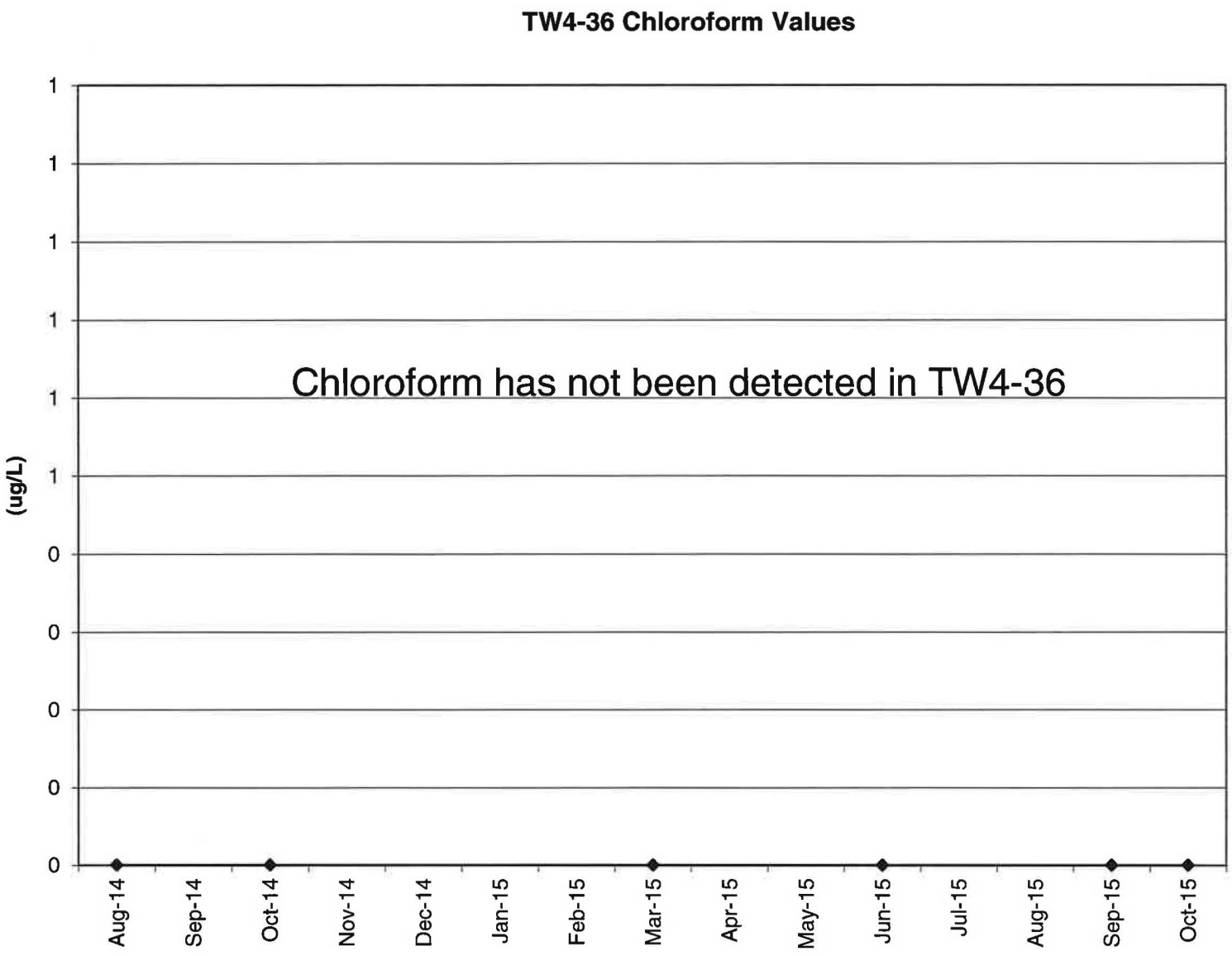


| TW4-35 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 27-Aug-14 | ND | ND | ND | ND | 0.2 | 34 |
| 28-Oct-14 | ND | ND | ND | ND | 0.351 | 34.1 |
| 11-Mar-15 | ND | ND | ND | ND | 0.436 | 34.9 |
| 10-Jun-15 | ND | ND | ND | ND | 0.452 | 35.2 |
| 3-Sep-15 | ND | ND | ND | ND | 0.304 | 35.9 |
| 28-Oct-15 | ND | ND | ND | ND | 0.419 | 33.4 |

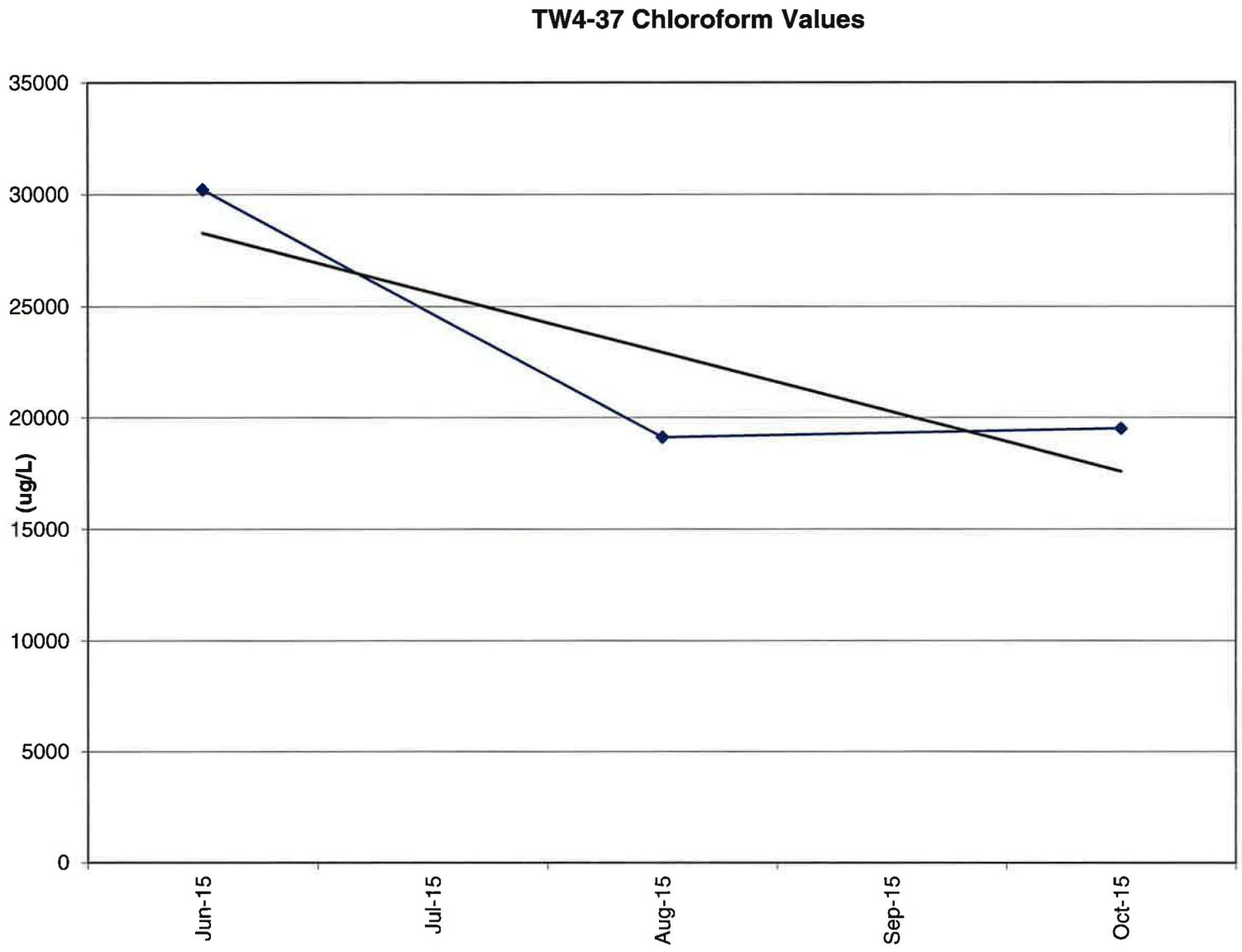
## TW4-35 Chloroform Values



| TW4-36 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 27-Aug-14 | ND | ND | ND | ND | ND | 65 |
| 23-Oct-14 | ND | ND | ND | ND | ND | 67.3 |
| 11-Mar-15 | ND | ND | ND | ND | ND | 67.2 |
| 10-Jun-15 | ND | ND | ND | ND | ND | 69.3 |
| 3-Sep-15 | ND | ND | ND | ND | ND | 76.4 |
| 21-Oct-15 | ND | ND | ND | ND | ND | 64.5 |

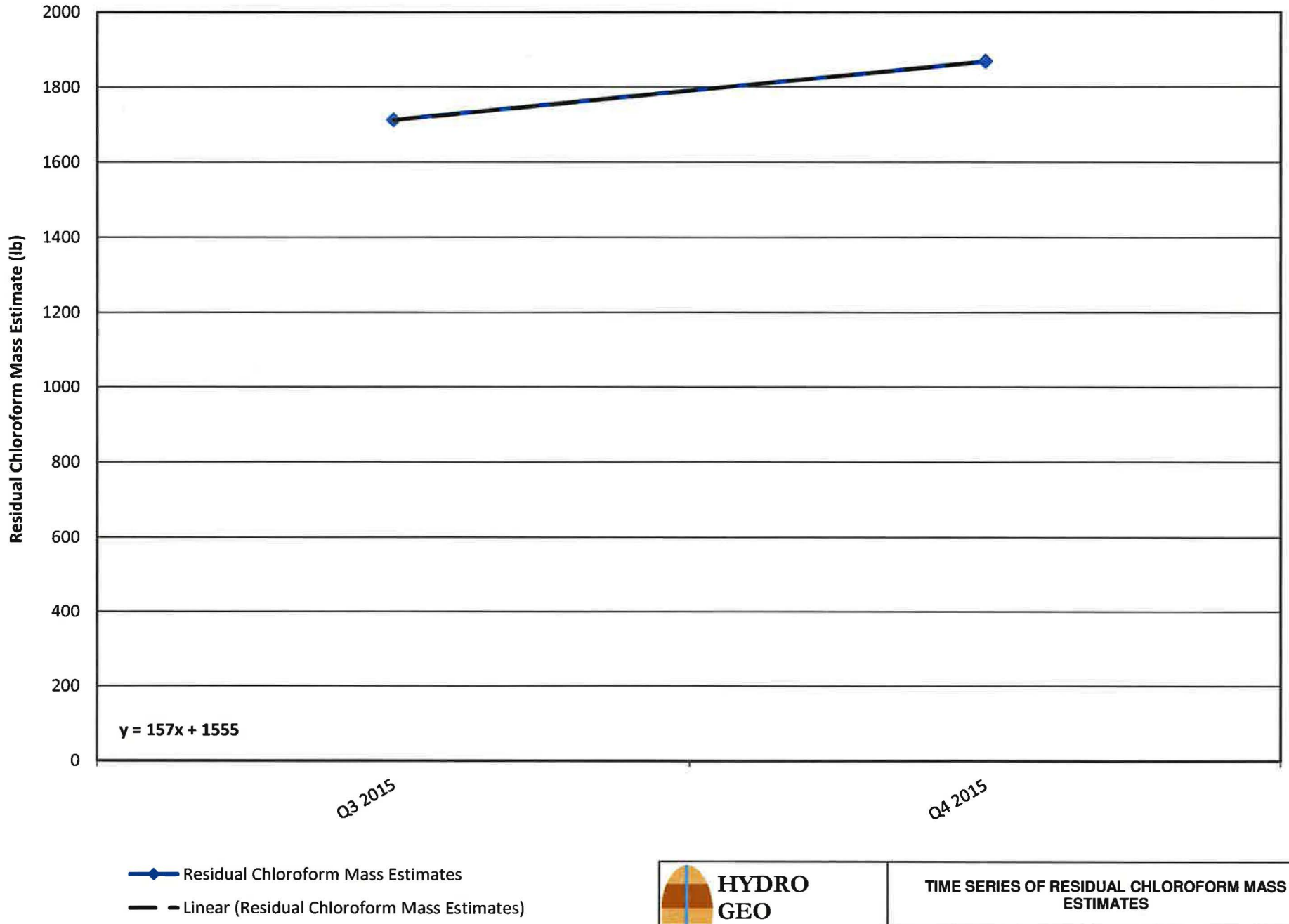

TW4-36 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Chloroform has not been detected in TW4-36
Aug-14
Sep-14
Oct-14
Nov-14
Dec-14
Jan-15
Feb-15
Mar-15
Apr-15
May-15
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

| TW4-37 | Chloroform (ug/l) | Carbon Tetrachloride (ug/l) | Chloromethane (ug/l) | Methylene Chloride (ug/l) | Nitrate (mg/l) | Chloride (mg/l) |
|---|---|---|---|---|---|---|
| 8-Jun-15 | 30200 | 18 | 16 | 2 | 35 | 345 |
| 31-Aug-15 | 19100 | 17 | 14 | 1.04 | 32 | 374 |
| 19-Oct-15 | 19500 | 13 | 9 | 1.17 | 35 | 399 |


TW4-37 Chloroform Values
35000
30000
25000
20000
15000
10000
5000
0
(ug/L)
Jun-15
Jul-15
Aug-15
Sep-15
Oct-15

Tab L

Contour Map Based Chloroform Plume Mass Calculations and Data Over Time




HYDRO GEO CHEM, INC.

**TIME SERIES OF RESIDUAL CHLOROFORM MASS ESTIMATES**

| Approved | Date | Author | Date | File Name | Figure |
|---|---|---|---|---|---|
| SJS | 2/11/16 | GEM | 2/4/2016 | MassEstTimeSeries.xls | L.1 |

H:\718000\Feb16\chloroform\MassEstTimeSeries: FX Resid CHL Mass

Tab M

CSV Transmittal Letter

## Kathy Weinel

**From:** Kathy Weinel
**Sent:** Tuesday, February 23, 2016 2:45 PM
**To:** 'Phillip Goble'
**Cc:** 'Dean Henderson'; Harold Roberts; David Frydenlund; Jaime Massey; David Turk; Scott Bakken; Logan Shumway
**Subject:** Transmittal of CSV Files White Mesa Mill 2015 Q4 Chloroform Monitoring
**Attachments:** 1510489-EDD.csv; 1510626-EDD.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the fourth quarter of 2015, in Comma Separated Value (CSV) format.

Other electronic files required by the Corrective Action Plan are included on the CDs included with the hard copy reports.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel

Energy Fuels Resources (USA) Inc.

Kathy Weinel
*Quality Assurance Manager*

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